



Waterjet Parts Catalogue - Edition 5



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**WATERJET
PARTS
CATALOGUE**
EDITION 5

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*Superior equipment, sourced from
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FLOW PARTS

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60K ESL
Components

Hyperjet 87K
Components

Direct Drive
Components

HP Swivels &
Components

Specialised
Service Tools

Plumbing
Fitt. & Filters

Cutting
Heads

Abrasive
Feed/Meter



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High Pressure Seal Spares Kit	Description	Part No.
	Spares Kit, High Pressure Seal, Intensifier, 60k PSI	001198-1
	Suits 30SA & Ultrajet	
High Pressure Cylinder	Description	Part No.
	High Pressure Cylinder 60k	007038-3
	Suits 30SA & Ultrajet	
Back-up Sleeve	Description	Part No.
	Back-up Sleeve 60k	B-1002-2
	Suits 30SA & Ultrajet	
Plunger Assembly, Ceramic	Description	Part No.
	Plunger Assembly, Ceramic	010253-1
	Suits 30SA, Ultrajet & Hyperjet	
End Cap Assembly	Description	Part No.
	End Cap Assembly 60K (321276-1)	061751-1
	Suits 30SA & Ultrajet	
Attenuator Assembly, 60K	Description	Part No.
	Attenuator Assembly 60K, 2.2 Litre	043797-2
	Suits 30SA & Ultrajet	
Adaptor Assembly, Attenuator 60K	Description	Part No.
	Adaptor Assembly .38", Attenuator 60K	045515-2
	Suits 30SA & Ultrajet	

Maintenance Kit - Check Valve	Description	Part No.
	Maintenance Kit, Check Valve, ESL Intensifier 60K	015866-1
	Suits 30SA & Ultrajet	
Check Valve Assembly	Description	Part No.
	Check Valve Assembly 60K	010559-3
	Suits 30SA & Ultrajet	
Check Valve Body	Description	Part No.
	Check Valve Body 60K	004383-3
	Suits 30SA & Ultrajet	
Check Valve Outlet Body Adapter	Description	Part No.
	Check Valve Outlet Body Adapter 60K	C-1313-1
	Suits 30SA & Ultrajet	

60K ESL
INTENSIFIER PARTS

HYPERJET
87K PARTS

55K DIRECT
DRIVE PARTS

SPECIALISED
SERVICE TOOLS

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FITTINGS

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COMPONENTS

ABRASIVE FEED &
METERING

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60K ESL
INTENSIFIER PARTS

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Low Pressure Seal Spares Kit	Description	Part No.
	Spares Kit, Low Pressure Seal, Intensifier, 60k PSI	010641-1
	Suits 30SA & Ultrajet	
End Bell Assembly	Description	Part No.
	End Bell Assembly 60k (Right Hand)	007303-1
	End Bell Assembly 60k (Left Hand)	007303-2
	Suits 30SA & Ultrajet	
End Bell Bushing	Description	Part No.
	End Bell Bushing 60K	B-1040-2
	Suits 30SA & Ultrajet	
Intensifier Rod Seal	Description	Part No.
	Intensifier Rod Seal 60K	A-11275
	Suits 30SA, Ultrajet & Hyperjet	
Intensifier Oil Seal Spacer	Description	Part No.
	Intensifier Oil Seal Spacer 60K	010276-1
	Suits 30SA, Ultrajet & Hyperjet	
Snap Ring Internal End Bell	Description	Part No.
	Snap Ring Internal End Bell	A-0264-112
	Suits 30SA & Ultrajet	
Rod T-Seal	Description	Part No.
	Rod T-Seal	A-00251-18
	Suits 30SA & Ultrajet	

<p>Hydraulic Piston</p> 	<p>Description</p> <p>Hydraulic Piston 60K Suits 30SA & Ultrajet</p>	<p>Part No.</p> <p>007026-1</p>
<p>Plunger Retainer</p> 	<p>Description</p> <p>Biscuit Plunger Retainer 60K Suits 30SA & Ultrajet</p>	<p>Part No.</p> <p>007029-1</p>
<p>Snap Ring Internal Plunger Retainer</p> 	<p>Description</p> <p>Snap Ring Internal, Plunger Retainer Suits 30SA & Ultrajet</p>	<p>Part No.</p> <p>A-0270-300</p>
<p>Piston Assembly</p> 	<p>Description</p> <p>Intensifier ESL Piston Assembly, Ceramic Suits 30SA & Ultrajet</p>	<p>Part No.</p> <p>010561-1</p>
<p>Hydraulic Cylinder</p> 	<p>Description</p> <p>Hydraulic Cylinder 60K Suits 30SA & Ultrajet</p>	<p>Part No.</p> <p>C-1000-1</p>
<p>Oil Filter Element, Suction</p> 	<p>Description</p> <p>Oil Suction Filter Element, 100 Mesh, Screen 3.3" long, In Tank Suits 30SA & Ultrajet</p>	<p>Part No.</p> <p>A-3582</p>
<p>Oil Filter Element, Return</p> 	<p>Description</p> <p>Oil Return Filter Element, 6 Micron, 12" long, In Tank Suits 30SA</p>	<p>Part No.</p> <p>A-5480</p>
<p>Oil Filter Element, Return</p> 	<p>Description</p> <p>Oil Return Filter Element, 6 Micron, 13" long Suits Ultrajet</p>	<p>Part No.</p> <p>A-11367</p>

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Tie Rod	Description	Part No.
	Tie Rod - Hydraulic Section (4 Required)	B-1000-2
	Nuts, Self Locking (8 Required)	A-1000
	Suits 30SA & Ultrajet	
Pressure Control Valve	Description	Part No.
	Pressure Control Valve	A-2126
	Suits 30SA	
Oil Pressure Gauge, Back Mount	Description	Part No.
	Oil Pressure Gauge, 0-5000 PSI, Back Mount	A-1623
	Suits 30SA	
Heat Exchanger Assembly	Description	Part No.
	Heat Exchanger Assembly	017981-1
	Suits 30SA	

	Complete Shift Valve, Mechanical Description Complete Mechanical Shift Valve with Pilot Valve Suits 30SA	Part No. A-11215	
	Main Shift Valve, Mechanical Shift 	Description Main Shift Valve, Mechanical Shift Suits 30SA	Part No. C-2743-1
	Pilot Valve, Mechanical Shift Description Pilot Valve, Mechanical Shift Suits 30SA	Part No. 006869-1	
	Actuating Plunger, Mechanical Shift 	Description Actuating Plunger, Mechanical Shift Suits 30SA	Part No. B-1007-1
	Compression Spring, Mechanical Shift Description Compression Spring .222" ID Mechanical Shift Compression Spring .35" ID .45" OD; 2.5" Suits 30SA	Part No. A-1713 A-1012	
	Mechanical Shift Actuator Pin 	Description Mechanical Shift Actuator Pin Suits 30SA	Part No. B-1611-1
	Actuator Pin, Mechanical 	Description Mechanical Shift Actuator Pin Suits 30SA	Part No. 002226-1
	Mechanical Shift Cable Guide Description Mechanical Shift Cable Guide - Left hand Mechanical Shift Cable Guide - Right Hand Suits 30SA	Part No. C-5462 C-5461	

12 - FLOW 60K ESL INTENSIFIER PARTS - INTENSIFIER SHIFTING

Complete Shift Valve Solenoid, Electronic	Description	Part No.
	Shift Valve Solenoid with Pilot Valve	A-18862
	Suits Ultrajet	
Electronic Intensifier Firing Pin	Description	Part No.
	Electronic Intensifier Firing Pin	B-1702-1
	Suits Ultrajet	
Electronic Shift Actuator Assembly	Description	Part No.
	Electronic Shift Actuator Assembly	B-8346-1
	Suits Ultrajet	
Electronic Shift Proximity Sensor	Description	Part No.
	Electronic Shift Proximity Sensor Assy 24V	011275-1
	Suits Ultrajet	

Bleed Down Valve Maintenance Kit	Description	Part No.
	Maintenance Kit, Bleed Down Valve 60k PSI	004694-1
	Suits 30SA & Ultrajet	
Bleed-down Valve Assembly	Description	Part No.
	Bleed-down Valve Assembly 60K	C-5841-1
	Suits 30SA & Ultrajet	
Bleed-down Valve Body	Description	Part No.
	Bleed-down Valve Body 60K	001822-1
Bleed-down Valve Actuator Housing	Description	Part No.
	Bleed-down Valve Actuator Housing 60K	B-8427-1
Oil Seal 125 Shaft Dia. SST	Description	Part No.
	Oil Seal .125 Shaft Dia. SST	A-4241
Piston, Bleed Down Valve	Description	Part No.
	Piston, Bleed Down Valve 60K	B-8428-1
Piston Insert, Bleed Down Valve	Description	Part No.
	Piston Insert, Bleed Down Valve 60K	B-8426-1
Adaptor, Bleed Down Valve	Description	Part No.
	Adaptor, Hydraulic 60K	B-5975-1

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HP Tube, Intensifier Right Side	Description	Part No.
	HP Tube .38", Intensifier Right Side, Short	011562-1
	Suits 30SA	
	HP Tube .38", Intensifier Right Side, Short	059017-1
	Suits Ultrajet	

HP Tube, Intensifier Left Side	Description	Part No.
	HP Tube .38", Intensifier Left Side, Long	011561-1
	Suits 30SA	
	HP Tube .38", Intensifier Left Side, Long	059018-1
	Suits Ultrajet	

HP Tube, Intensifier Interconnect	Description	Part No.
	HP Tube .38", Intensifier Interconnect	011564-1
	Suits 30SA	

HP Tube, Intensifier to Attenuator	Description	Part No.
	HP Tube Nipple .38", Intensifier Interconnect, 4.1"	A-0782-4.1
	HP Tube Nipple .38", Intensifier Interconnect, 8"	A-0782-8
	Suits Ultrajet	

HP Tube, Bleed Down Interconnect	Description	Part No.
	HP Tube Nipple .38", Bleed-Down Interconnect, 6"	A-0782-6
	Suits 30SA	

HP Tube, Attenuator to Bleed-Down	Description	Part No.
	HP Tube .38" Attenuator to Bleed-Down	011565-1
	Suits 30SA	
	HP Tube .38" Attenuator to Bleed-Down	059019-1
	HP Tube Nipple .38" Bleed-Down Interconnect, 3.15"	A-0782-3.15
	HP Tube Nipple .38" Bleed-Down to Transducer, 4"	A-0782-4
	Suits Ultrajet	

HP Tube, Bleed-Down to Drain	Description	Part No.
	HP Tube .38", Bleed-Down Drain	012500-1
	Suits 30SA	
	HP Tube Nipple .38", Bleed-Down Drain, 6"	A-0782-6
	HP Tube .38", Bleed-Down Drain Coil	059593-1
	Suits Ultrajet	



HP Adaptor, HP Drain to NPT	Description	Part No.
	HP Adaptor, .38" HP Drain to .5" NPT	B-7870-1
	Suits 30SA & Ultrajet	

HP Tube, Attenuator HP Outlet	Description	Part No.
	HP Tube Nipple .38", Attenuator Outlet, 16"	A-0782-16
	Suits 30SA	
	HP Tube .38", Attenuator Outlet Tube	059062-1
	Suits Ultrajet	

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16 - FLOW HYPERJET 87K INTENSIFIER PARTS - HP COMPONENTS

Maintenance Kit, Hyperlife Minor	Description	Part No.
	Maintenance Kit, Hyperlife Minor 87K	058033-1
	Kit contains:	
	Seal Assembly, Cartridge 87K	040015-1
	Check Valve Repair Kit, Inlet	014884-1
	Check Valve Repair Kit, Outlet	014885-1
	Grease, O-Ring	A-4689
	Lubricant, Anti-Seize	A-20386-1

Maintenance Kit, Hyperlife Major	Description	Part No.
	Maintenance Kit, Hyperlife Major 87K	058033-2
	Kit contains:	
	Seal Assembly, Cartridge 87K	040015-1
	Check Valve Repair Kit, Inlet	014884-1
	Check Valve Repair Kit, Outlet	014885-1
	High Pressure Cylinder 87K	020592-1
	Maintenance Kit, Bleed-Down Valve 87K	015084-1
	Grease, O-Ring	A-4689
Lubricant, Anti-Seize	A-20386-1	

Plunger Assembly, Ceramic	Description	Part No.
	Plunger Assembly, Ceramic, 60 - 90K PSI Intensifier	010253-1
	Suits 30SA, Ultrajet & Hyperjet	

Filler Tube, Intensifier 87k	Description	Part No.
	Filler Tube, Intensifier 87k PSI	020595-1

End Cap Assembly 87K	Description	Part No.
	End Cap Assembly 87K	014817-1

Tie Rod, High Pressure	Description	Part No.
	Tie Rod, High Pressure 87K	014589-1

Tie Rod Nut, High Pressure	Description	Part No.
	Tie Rod Nut, High Pressure	014597-1
Tie Rod Washer, High Pressure	Description	Part No.
	Tie Rod Washer, High Pressure	A-22757-1
Attenuator Assembly, 87k	Description	Part No.
	Attenuator Assembly 87K, 1 Litre	019579-1
Pressure Transducer, 100KSI	Description	Part No.
	Pressure Transducer, 100KSI	A-21842-1

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18 - FLOW HYPERJET 87K INTENSIFIER - CHECK VALVE COMPONENTS

Maintenance Kit, Inlet Check Valve 87K	Description	Part No.
	Maintenance Kit, Inlet Check Valve 87K PSI	014884-1
Maintenance Kit, Outlet Check Valve 87K	Description	Part No.
	Maintenance Kit, Check Valve, Hyperjet	014885-1
Check Valve Assembly, 87K	Description	Part No.
	Check Valve Assembly, 87k PSI Complete	020071-1
Check Valve Body 87K	Description	Part No.
	Check Valve Body, 87k PSI Ph2 Intensifier, Pull	020077-1
Check Valve Adaptor, 87K	Description	Part No.
	Check Valve Adaptor, 87K	042101-1
Check Valve Spring Seat, 87K	Description	Part No.
	Check Valve Spring Seat, 87K	060652-1
Check Valve Body O-Ring, 87K	Description	Part No.
	Check Valve Body O-Ring, 87K	A-0275-131

Low Pressure Seal Spares Kit	Description	Part No.
	Low Pressure Seal Spares Kit, 87K	013157-1
	Suits Hyperjet Long & Short Block	

End Bell Assembly	Description	Part No.
	End Bell Assembly 87K, Left Hand Short Block	020072-1
	End Bell Assembly 87K, Right Hand Short Block	020074-1
	End Bell Assembly 87K, Left Hand Long Block	019684-1
	End Bell Assembly 87K, Right Hand Long Block	019683-1

Intensifier Rod Seal	Description	Part No.
	Intensifier Rod Seal	A-11275
	Suits Hyperjet Long & Short Block	

Intensifier Oil Seal Spacer	Description	Part No.
	Intensifier Oil Seal Spacer	010276-1
	Suits Hyperjet Long & Short Block	

Snap Ring Internal End Bell 87K	Description	Part No.
	Snap Ring Internal End Bell, 87K	A-0264-112
	Suits Hyperjet	

Rod T-Seal, 87K	Description	Part No.
	Rod T-Seal, 87K	A-00251-18
	Suits Hyperjet	

Hydraulic Piston 87K	Description	Part No.
	Hydraulic Piston 87K, Short Block	020080-1
	Hydraulic Piston 87K, Long Block	011304-1

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Plunger Retainer 87K	Description	Part No.
	Plunger Retainer, 87K	007029-1

Snap Ring, Plunger Retainer	Description	Part No.
	Snap Ring, Hydraulic Biscuit 87K	A-0270-300
	Suits Hyperjet Long & Short Block	

Piston Assembly 87K	Description	Part No.
	Intensifier UHP Piston Assembly, Ceramic, Short Block	020079-1
	Intensifier UHP Piston Assembly, Ceramic, Long Block	011492-1

Hydraulic Cylinder, 87K	Description	Part No.
	Hydraulic Cylinder 87K, Short Block	019975-1
	Hydraulic Cylinder 87K, Long Block	011290-1

Tie Rod, 87K	Description	Part No.
	Low Pressure Tie Rod, 87K, Short Block	020078-1
	Low Pressure Tie Rod, 87K, Long Block	011291-1

Tie Rod Nut, 87K	Description	Part No.
	Low Pressure Tie Rod Nut, 87K	014840-1
	Suits Hyperjet Long & Short Block	

Tie Rod Washer, 87K	Description	Part No.
	Tie Rod Washer, 87K, Short Block	A-00315-16
	Tie Rod Washer, 87K, Short Block	A-22757-1

Hydraulic Shift Valve Assembly	Description	Part No.
	Hydraulic Shift Valve Assembly, 87K	A-18862
Electronic Intensifier Firing Pin	Description	Part No.
	Electronic Intensifier Firing Pin, 87K	B-1702-1
Electronic Shift Actuator Assembly	Description	Part No.
	Electronic Shift Actuator Assembly	B-8346-1
Electronic Shift Sensor Assembly	Description	Part No.
	Electronic Shift Sensor Assembly	011275-1
Oil Filter Element, Return	Description	Part No.
	Oil Return Filter Element, 6 Micron, 13" long	A-11367
	Suits Hyperjet	

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22 - FLOW HYPERJET 87K INTENSIFIER - HYDRAULIC BLEED DOWN VALVE

60K ESL
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Bleed Down Valve Maintenance Kit for Hyperjet Pump	Description	Part No.
	Maintenance Kit, Bleed Down Valve for Hyperjet Pump	015084-1
Bleed Down Valve Assembly, 87K	Description	Part No.
	Bleed Down Valve Assembly, 87K, Complete	019309-1
Bleed Down Valve Body 87K	Description	Part No.
	Bleed Down Valve Body 87K PSI	011742-1
Bleed Down Actuator Body, 87K	Description	Part No.
	Bleed Down Actuator Body 87K	012761-1
Bleed Down HP Adaptor, 87K	Description	Part No.
	Bleed Down High Pressure Adaptor 87K	013052-1
Bleed Down Valve Actuator, 87K	Description	Part No.
	Bleed Down Valve Actuator	012763-1
Bleed Down Valve Piston Plunger, 87K	Description	Part No.
	Bleed Down Valve Piston Plunger	012762-1

HP Tube, Intensifier Right Side	Description	Part No.
	HP Tube .38", Intensifier Right Side, Short	046665-13
	Suits Hyperjet 94i-S	
	HP Tube .38", Intensifier Right Side, Short	046665-10
	Suits Hyperjet 94i-D	
HP Tube, Intensifier Left Side	Description	Part No.
	HP Tube .38", Intensifier Left Side, Long	041336-1
	Suits Hyperjet 94i-S	
	HP Tube .38", Intensifier Left Side, Short	046665-10
	Suits Hyperjet 94i-D	
HP Tube, Intensifier Interconnect	Description	Part No.
	HP Tube Nipple .38", Intensifier Outlets	046562-188
	HP Tube .38", Intensifier 2 Right Side, Long	019421-12
	Suits Hyperjet 94i-D	
HP Tube, Attenuator HP Inlet / Outlet	Description	Part No.
	HP Tube Nipple .38", Attenuator Inlet / Outlet	046562-197
	Suits Hyperjet 94i-S & D	
HP Tube, Attenuator to Bleed Down	Description	Part No.
	HP Tube .38", Attenuator to Bleed Down	046666-1
	Suits Hyperjet 94i-S & D	
HP Tube, Bleed Down to Drain	Description	Part No.
	HP Tube Nipple .38", Bleed Down Drain 6"	A-0782-6
	HP Tube .38", Bleed Down Drain, Coil	042921-1
	Suits Hyperjet 94i-S & D	
HP Tube, Bleed Down to Transducer	Description	Part No.
	HP Tube .38", Bleed Down to Transducer	046665-6
	Suits Hyperjet 94i-S & D	
HP Adaptor, HP Drain to NPT	Description	Part No.
	HP Adaptor, .38" HP Drain to .5" NPT	B-7870-1
	Suits Hyperjet 94i-S & D	

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Dynamic Seal Maintenance Kit, Hyplex Prime	Description	Part No.
	Dynamic Seal Maintenance Kit, Hyplex Prime	050626-1
	Kit Contains:	
	Dynamic Seal, Eagle	011051-1
	Rod Seal, Disogrin	A-00621-33
	Lubricant, Anti-Seize	A-20386-1

Minor Maintenance Kit, Hyplex Prime	Description	Part No.
	Minor Maintenance Kit, Hyplex Prime	050624-1



Kit Contains:

Dynamic Seal, Eagle	011051-1
Rod Seal, Disogrin	A-00621-33
Inlet Poppet	011042-1
Compression Spring, Inlet Poppet	A-12219
Outlet Poppet Guide	011040-1
Outlet Poppet	011039-1
Outlet Poppet Seat	011041-1
Compression Spring, Outlet Poppet	A-9223
Filler Tube Sleeve	011350-1
Rod Seal, Subplate	A-00720-31
Internal Snap Ring, Rod Seal	A-0265-062
O-Ring, Check Valve, Buna-N, -025	A-0275-025
O-Ring, Cylinder, Buna-N, -029	A-0275-029
O-Ring, Head / Subplate, Buna-N, -033	A-0275-033
Poppet / Seat, PCV	042145-2
Grease, O-Ring	A-4689
Lubricant, Anti-seize	A-20386-1

Major Maintenance Kit, Hyplex Prime	Description	Part No.
	Major Maintenance Kit, Hyplex Prime	050624-2



Kit Contains:

Dynamic Seal, Eagle	011051-1
Rod Seal, Disogrin	A-00621-33
Compression Spring, Dynamic Seal	A-12217
Inlet Poppet	011042-1
Compression Spring, Inlet Poppet	A-12219
Outlet Poppet Guide	011040-1
Outlet Poppet	011039-1
Outlet Poppet Seat	011041-1
Compression Spring, Outlet Poppet	A-9223
Check Valve Body	049578-1
Filler Tube Sleeve	011350-1
Seal Carrier, Hyplex Prime	044099-1
Rod Seal, Subplate	A-00720-31
Internal Snap Ring, Subplate	A-0265-062
O-Ring, Check Valve, Buna-N, -025	A-0275-025
O-Ring, Cylinder, Buna-N, -029	A-0275-029
O-Ring, Head / Subplate, Buna-N, -033	A-0275-033
Poppet / Seat, PCV	042145-2
Ceramic Plunger, Hyplex Prime	011045-1
Compression Spring, Plunger Nut	A-12218
HP Cylinder, Hyplex Prime	049584-1
Grease, O-Ring	A-4689
Lubricant, Anti-seize	A-20386-1
Hex Nut, M16x1.5	A-0311-36

26 - FLOW 55K HYPLEX DIRECT DRIVE PARTS - HP COMPONENTS

60K ESL
INTENSIFIER PARTS

HYPERJET
87K PARTS

55K DIRECT
DRIVE PARTS

HP SWIVELS &
COMPONENTS

HP PLUMBING
FITTINGS

FILTERS

CUTTING
HEADS

VAC ASSIST
COMPONENTS

ABRASIVE FEED &
METERING

End Cap Assembly, 55K PSI	Description	Part No.
	End Cap Assembly, 55K PSI	049887-1

End Cap Tie Rod, Hyplex Prime	Description	Part No.
	End Cap Tie Rod, Hyplex Prime, 60K PSI	049582-1

Hex Nut, Class 10	Description	Part No.
	Hex Nut, Class 10, Stl, M16 x 1.5	A-0311-36

Minor Maintenance Kit - J-Plex	Description	Part No.
	Minor Maintenance Kit, J-Plex	712101-1



Kit Contains:

Dynamic Seal, Eagle	011051-1
Rod Seal, Disogrin	A-00621-33
Inlet Poppet	011042-1
Compression Spring, Inlet Poppet	A-12219
Outlet Poppet Guide	011040-1
Outlet Poppet	011039-1
Outlet Poppet Seat	011041-1
Compression Spring, Outlet Poppet	A-9223
Filler Tube Sleeve	011350-1
Rod Seal, Subplate	A-00720-31
O-Ring, Check Valve, Buna-N, -025	A-0275-025
O-Ring, Head / Subplate, Buna-N, -033	A-0275-033
O-Ring, PCV, Buna-N, -119	A-0275-119
O-Ring, PCV, Buna-N, -120	A-0275-120
Poppet / Seat, PCV	042145-1
Grease, O-Ring	A-4689
Lubricant, Anti-seize	A-20386-1

Major Maintenance Kit, J-Plex	Description	Part No.
	Major Maintenance Kit, J-Plex,	712101-2



Kit Contains:

Dynamic Seal, Eagle	011051-1
Rod Seal, Disogrin	A-00621-33
Compression Spring, Dynamic Seal	A-12217
Inlet Poppet	011042-1
Compression Spring, Inlet Poppet	A-12219
Outlet Poppet Guide	011040-1
Outlet Poppet	011039-1
Outlet Poppet Seat	011041-1
Compression Spring, Outlet Poppet	A-9223
Check Valve Body	013385-1
Static Seal, Check Valve	011043-1
Filler Tube Sleeve	011350-1
Seal Carrier, Hyplex Prime	013933-1
Rod Seal, Subplate	A-00720-31
Internal Snap Ring, Subplate	A-0265-062
O-Ring, High Pressure, -010	A-0290-010
Back-up Ring, Manifold	006760-1
O-Ring, Manifold, Buna-N, -015	A-0275-015
O-Ring, Check Valve / Subplate, Buna-N, -025	A-0275-025
O-Ring, Cylinder, Buna-N, -033	A-0275-033
O-Ring, PCV, Buna-N, -119	A-0275-119
O-Ring, PCV, Buna-N, -120	A-0275-120
Poppet / Seat, PCV	042145-1
Ceramic Plunger, Hyplex Prime	011045-1
Compression Spring, Plunger Nut	A-12218
HP Cylinder, Hyplex Prime	013932-1
Spacer Ring, Cylinder	014172-1
Grease, O-Ring	A-4689
Lubricant, Anti-seize	A-20386-1

28 - FLOW 55K HYPLEX DIRECT DRIVE - LOW PRESSURE COMPONENTS

60K ESL
INTENSIFIER PARTS

HYPERJET
87K PARTS

55K DIRECT
DRIVE PARTS

HP SWIVELS &
COMPONENTS

HP PLUMBING
FITTINGS

FILTERS

CUTTING
HEADS

VAC ASSIST
COMPONENTS

ABRASIVE FEED &
METERING

Seal Carrier, Crank Case	Description	Part No.
	Seal Carrier, Crank Case	015445-1
Seal Shaft, Crosshead, Crank Case	Description	Part No.
	Seal Shaft, Crosshead Crank Case	A-26487-1
O-Ring, Crank Case	Description	Part No.
	O-Ring, D .47 .3 x 2.62, Crank Case	A-26489-1
O-Ring, JPLEX & Hyplex Buna-N	Description	Part No.
	O-Ring, JPLEX Buna-N, 70a, -015	A-0275-015
	O-Ring, Hyplex Buna-N, 70a -025	A-0275-025
	O-Ring, Hyplex Buna-N, 70a -029	A-0275-029
	O-Ring, JPLEX & Hyplex Buna-N, 70a, -033	A-0275-033
Hyplex Hybrid, Plunger Nut	Description	Part No.
	Hyplex Hybrid, Plunger Nut, SST, M18 x 1.50	049797-1

Maintenance Kit, PCV	Description	Part No.
	PCV Maintenance Kit, Hyplex	050625-1
	Kit Contains:	
	Plunger, PCV	049494-1
	Bearing, PCV Plunger	012906-1
	Dynamic Seal, PCV Plunger	013033-1
	O-Ring, Dynamic Seal, Buna-N, -206	A-0275-206
	O-Ring, Drain Collar, Buna-N, -119	A-0275-119
	O-Ring, Drain Collar, Buna-N, -120	A-0275-120
	Grease, O-Ring	A-4689

Maintenance Kit, PCV	Description	Part No.
	PCV Maintenance Kit, J-Plex	015605-1
	Kit Contains:	
	Plunger & Nut, PCV Eagle	013006-1
	Bearing, PCV Plunger	012906-1
	Dynamic Seal, PCV Plunger	013033-1
	O-Ring, Dynamic Seal, Buna-N, -206	A-0275-206
	O-Ring, Drain Collar, Buna-N, -119	A-0275-119
	O-Ring, Drain Collar, Buna-N, -120	A-0275-120
	U-Packing Seal, Actuator	A-00167-42
Grease, O-Ring	A-4689	

Seat Poppet Assembly, PCV	Description	Part No.
	Seat Poppet Assembly, PCV, HyPlex	042145-2

Pressure Transducer, 100KSI	Description	Part No.
	Pressure Transducer, 100KSI	A-21842-1

30 - FLOW 55K HYPLEX DIRECT DRIVE PARTS - HIGH PRESSURE TUBE

HP Tube, End Cap to Manifold	Description	Part No.
	HP Tube .38", End Cap to Manifold, HyPlex	049717-1
	(3 Required)	

HP Tube, Manifold Outlet	Description	Part No.
	HP Tube .38", Manifold Outlet, HyPlex	049731-1

HP Tube, Manifold to Transducer	Description	Part No.
	HP Tube .38", Manifold to Transducer, HyPlex	049717-1

Pressure Loading Tool, Hypelex	Description	Part No.
	Pressure Loading Tool, Hypelex Prime	049512-1

Oil Seal	Description	Part No.
	Seal, Hydraulic Oil, Pressure Loading Tool	049518-1

Oil Seal O-Ring	Description	Part No.
	Oil Seal O-Ring, Pressure Loading Tool	A-0275-116

Piston O-Ring Seal	Description	Part No.
	Piston O-Ring Seal, Pressure Loading Tool	A-0275-033

Piston Back-up Ring	Description	Part No.
	Piston Back-up Ring, Pressure Loading Tool	A-0276-033

60K ESL
INTENSIFIER PARTS

HYPERJET
87K PARTS

55K DIRECT
DRIVE PARTS

SPECIALISED
SERVICE TOOLS

HP PLUMBING
FITTINGS

FILTERS

CUTTING
HEADS

VAC ASSIST
COMPONENTS

ABRASIVE FEED &
METERING

32 - FLOW HIGH PRESSURE SWIVELS & COMPONENTS

60K ESL
INTENSIFIER PARTS

HYPERJET
87K PARTS

55K DIRECT
DRIVE PARTS

HP SWIVELS &
COMPONENTS

HP PLUMBING
FITTINGS

FILTERS

CUTTING
HEADS

VAC ASSIST
COMPONENTS

ABRASIVE FEED &
METERING

Swivel Assembly 60k	Description	Part No.
	Inline Swivel Assembly, Str 60k PSI	B-5490-1
Swivel Maintenance Kit	Description	Part No.
	Swivel Maintenance Kit, 1/4"	B-5910-1
Swivel Assembly, Single Axis	Description	Part No.
	Swivel Assembly, Single Axis, Parallel 55k PSI Suits M200 Pivot +	C-5152-1
Swivel Maintenance Kit	Description	Part No.
	Swivel Maintenance Kit	B-7447-1
Swivel Shaft Kit	Description	Part No.
	Swivel Shaft Kit 60K Suits Swivel C-5152-1	014002-1
Swivel Assembly, Single Axis 87K	Description	Part No.
	Swivel Assembly .25", Single Axis, 10 Degree, 87K	049358-1
Swivel Maintenance Kit 87K	Description	Part No.
	Swivel Maintenance Kit, 87K	015093-2
Swivel Assembly, Double Axis	Description	Part No.
	Swivel Assembly, Double Axis, 90d 87k PSI	014922-1
Swivel Maintenance Kit, 87k	Description	Part No.
	Swivel Maintenance Kit, 87k PSI, 1/4"	015093-1

On-Off Valve Tool Kit 	Description On-Off Valve Tool Kit, Seal Inst	Part No. 019623-1
Bleed Down Valve Tool 60K 	Description Bleed Down Valve Seal Insert / Removal Tool, 60K	Part No. B-5716-1
Swivel Seal Install / Removal Tool 	Description Swivel Seal Install / Removal Tool Suits Swivels C-5152-1 and C-5155-1	Part No. C-2690-1
Swivel Seal Install Tool 	Description Swivel Seal Install Tool Suits Swivels B-5490-1 and B-5725-1	Part No. C-2691-1
Swivel Seal Puller Tool 	Description Swivel Seal Puller Tool Suits Swivels B-5490-1 and B-5725-1	Part No. B-6263-1
VacAssist Tool Kit 	Description VacAssist Tool Kit	Part No. 014578-1
Emery Paper, 320 Grit 	Description Emery Paper, 320 Grit, W-Adh	Part No. A-1903
Food Grade O-Ring Grease 	Description Food Grade O-Ring Grease, 1/4 Oz	Part No. A-4689
Anti-Sieze Lubricant 	Description Anti-Sieze Lubricant 5g	Part No. A-20386-1

34 - FLOW HIGH PRESSURE PLUMBING FITTINGS

60K ESL INTENSIFIER PARTS
 HYPERJET 87K PARTS
 55K DIRECT DRIVE PARTS
 HP SWIVELS & COMPONENTS
 HP PLUMBING FITTINGS
 FILTERS
 CUTTING HEADS
 VAC ASSIST COMPONENTS
 ABRASIVE FEED & METERING

Coupling 100K PSI	Description	Part No.
	Coupling, 100K PSI 3/8"	12005-1

Coupling 87K PSI	Description	Part No.
	Coupling, 87K PSI 1/4"	A-22161-1

Anti-Vibration Gland, 87K PSI	Description	Part No.
	Anti-Vibration Gland, 87K PSI, 1/4"	044347-1

Anti-Vibration Collet	Description	Part No.
	Anti-Vibration Collet, 87K PSI, 1/4"	044358-1

Anti-Vibration Collar	Description	Part No.
	Anti-Vibration Collar 87K PSI, 1/4"	044348-1

Collar, 87K PSI	Description	Part No.
	Collar, 87K PSI, 1/4"	044348-1
	Collar, 87K PSI, 3/8"	A-2839

Plug 100K PSI	Description	Part No.
	Plug, 100K PSI 3/8"	012252-1

Elbow 60K PSI	Description	Part No.
	Elbow 60K PSI, 1/4"	A-0775-1
	Elbow 60K PSI, 3/8"	A-0775-2

HP Adapter 87K PSI	Description	Part No.
	High Pressure Adapter 3/8" x 1/4", 87K PSI	013149-1

Adapter, 60K PSI	Description	Part No.
	Adapter, 60K PSI, 3/8" x 1/4"	A-0792-1

Adapter, 60K PSI	Description	Part No.
	Adapter, 60K PSI, 1/4" x 3/8"	A-1267

Cross, LI, 87K PSI	Description	Part No.
	Cross, LI, 87K PSI, 3/8"	014168-1

Cross, 87K PSI	Description	Part No.
	Cross, 87K PSI, 3/8"	049745-1

Gland	Description	Part No.
	Gland, 60K PSI 1/4"	A-2866
	Gland, 87K PSI 3/8"	A-2838

36 - FLOW FILTERS

60K ESL
INTENSIFIER PARTS

HYPERJET
87K PARTS

55K DIRECT
DRIVE PARTS

HP SWIVELS &
COMPONENTS

HP PLUMBING
FITTINGS

FILTERS

CUTTING
HEADS

VAC ASSIST
COMPONENTS

ABRASIVE FEED &
METERING

Filter Cartridge Standard - 10"	Description	Part No.
	10" x 1 mic	A-1555
	10" x .45 mic	A-1449

Filter Cartridge Standard - 20"	Description	Part No.
	20" x 5 mic	A-00562-1
	20" x 1 mic	A-00562-2

FLOW CUTTING HEADS



38 - FLOW CUTTING HEADS

NOZZLES & ORIFICES

Abrasive Nozzle for Flow Pivot+ Cutting Head	Description	Part No.
 <p>Made In USA</p>	7.14mm (.281") OD	
	76.2mm Long x 0.76mm ID Silverline	FTFS076762-S
	76.2mm Long x 0.76mm ID Roctec 100	FTFS076762-100
	76.2mm Long x 1.02mm ID Silverline	FTFS102762-S
	76.2mm Long x 1.02mm ID Roctec 100	FTFS102762-100

PIVOT + CUTTING HEAD PARTS

Abrasive Nozzle for Paser 4 Head, 60K	Description	Part No.
 <p>Made In USA</p>	7.14mm (.281") OD with Retaining Collet	
	102mm Long x 0.76mm ID Roctec 100	FTFS076102-1-RC
	102mm Long x 1.02mm ID Roctec 100	FTFS102102-1-RC

STANDARD & DYNAMIC CUTTING HEAD PARTS

Abrasive Nozzle for Paser 4 Head, 87K	Description	Part No.
 <p>Made In USA</p>	7.14mm (.281") OD with Retaining Collet	
	102mm Long x 0.76mm ID Roctec 500	FTFS076102-5-RC
	102mm Long x 0.76mm ID DELTA NXT	FTFS076102-NXT-RC
	102mm Long x 1.02mm ID Roctec 500	FTFS102102-5-RC
	102mm Long x 1.02mm ID DELTA NXT	FTFS102102-NXT-RC

DYNAMIC XD CUTTING HEAD PARTS

FLOW Orifice Assemblies	Paser 4 Ruby Orifice Abrasive Cutting	Paser 4 Diamond Orifice Abrasive Cutting	Sapphire Orifice Water Only Cutting	Diamond Orifice Water Only Cutting
				
.005"/0.12 mm	n/a	n/a	004519-5	D-5071-5
.006"/0.15 mm	n/a	n/a	004519-6	D-5071-6
.007"/0.17 mm	n/a	n/a	004519-7	D-5071-7
.008"/0.20 mm	n/a	n/a	004519-8	D-5071-8
.009"/0.23 mm	n/a	n/a	004519-9	D-5071-9
.010"/0.25 mm	041759-10	015849-10	n/a	D-5071-10
.012"/0.30 mm	041759-12	015849-12	n/a	n/a
.013"/0.33 mm	041759-13	015849-13	004519-13	D-5071-13
.014"/0.35 mm	041759-14	015849-14	n/a	n/a
.015"/0.38 mm	041759-15	015849-15	n/a	n/a

WATER ONLY CUTTING HEAD PARTS

VAC ASSIST COMPONENTS

On / Off Valve Assembly 87K PSI	Description	Part No.
	On / Off Valve Assembly, Low Profile 87K PSI	014660-2
	Suits M300 & M500 Standard, DWJ & DXD	

On / Off Valve Assembly	Description	Part No.
	On / Off Valve Assembly, Low Profile 60K PSI	060647-1
	Suits Pivot + Only	
	Mini On / Off Valve Assembly, 60K	014553-1
	Suits M100 & M200 Standard	

On / Off Valve Body	Description	Part No.
	On / Off Valve Body, 60K PSI	048198-1
	On / Off Valve Body, 87K PSI	014554-1

On / Off Valve Seal Kit	Description	Part No.
	On / Off Valve Seal Repair Kit	014988-1
	Universal Kit - Suits M100, M200, M300 & M500	

Maintenance Kit, On / Off Valve	Description	Part No.
	Maintenance Kit, On / Off Valve	001959-1
	Maintenance Kit, On / Off Valve	010200-1

PASER ACTUATORS & VALVE COMPONENTS

PIVOT + CUTTING HEAD PARTS

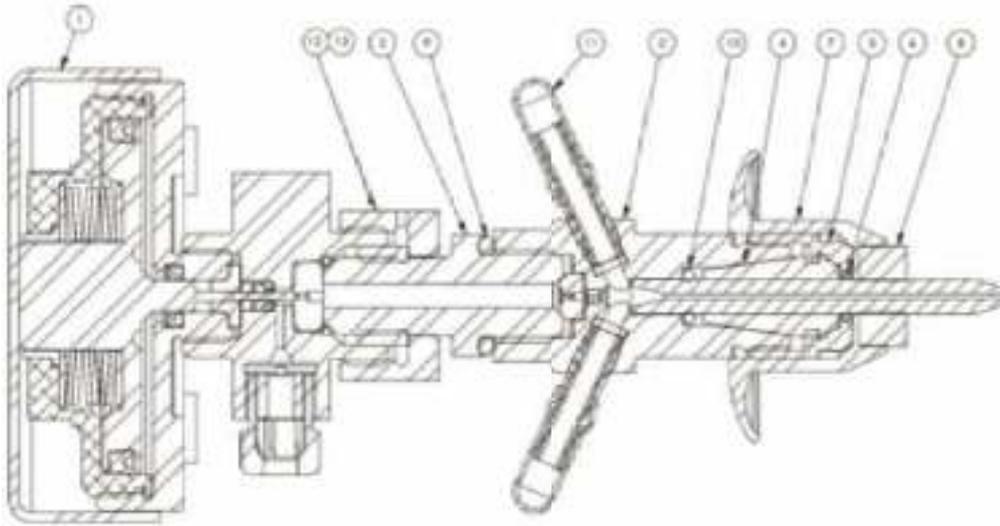
STANDARD & DYNAMIC CUTTING HEAD PARTS

DYNAMIC XD CUTTING HEAD PARTS

SPECIALISED HP TUBES

ABRASIVE FEED & METERING

Pivot+ Cutting Head Assembly



Part No.
(1) 060647-1
(2) 060017-1
(3) 060010-1
(4) 710806-1
(5) 014241-1
(6) A-15034-1
(7) 058212-1
(8) 058211-1
(9) A-0275-209
(10) A-0275-108
(11) A-11080
(12) 710869-1
(13) 710867-1

On / Off Valve Assembly	Description	Part No.
	On / Off Valve Assembly, Low Profile 60K PSI Suits Pivot + Only	060647-1

Mixing Chamber Assembly, Pivot +	Description	Part No.
	Mixing Chamber Assembly, Pivot +, 60K PSI	060017-1

Nozzle Body for 87K PSI	Description	Part No.
	Nozzle Body for 87K PSI 2 In LG	060010-1

Nozzle Body Precision Collet	Description	Part No.
	Precision Collet, Nozzle Body 9-32 Id, Stl	710806-1

Mixing Tube Nut for Paser Head	Description	Part No.
	Mixing Tube Nut for Paser, Head	014241-1
O-Ring, Mixing Tube Nut	Description	Part No.
	O-Ring, Mixing Tube Nut, Buna-N	A-15034-1
Spray Shield, Pivot+	Description	Part No.
	Spray Shield, Yellow Suits Pivot+ and DXD with Compass	058212-1
Cutting Head Disk Blast, XD Wrist	Description	Part No.
	Cutting Head Disk Blast, XD Wrist 20mm OD	058211-1
O-Ring, Nozzle Body	Description	Part No.
	O-Ring, Nozzle Body, Buna-N, -209	A-0275-209
O-Ring, Mixing Chamber Nozzle	Description	Part No.
	O-Ring, Nozzle, Buna-N, -108	A-0275-108
Retainer Collar, Nozzle Body	Description	Part No.
	Retainer Collar, Nozzle Body / On-Off Valve Suits Pivot+, DWJ and DXD	710867-1
Nozzle Body Collar	Description	Part No.
	Nozzle Body Collar, 5-8-18 Suits Pivot+, DWJ and DXD	710869-1

PASER ACTUATORS & VALVE COMPONENTS

PIVOT + CUTTING HEAD PARTS

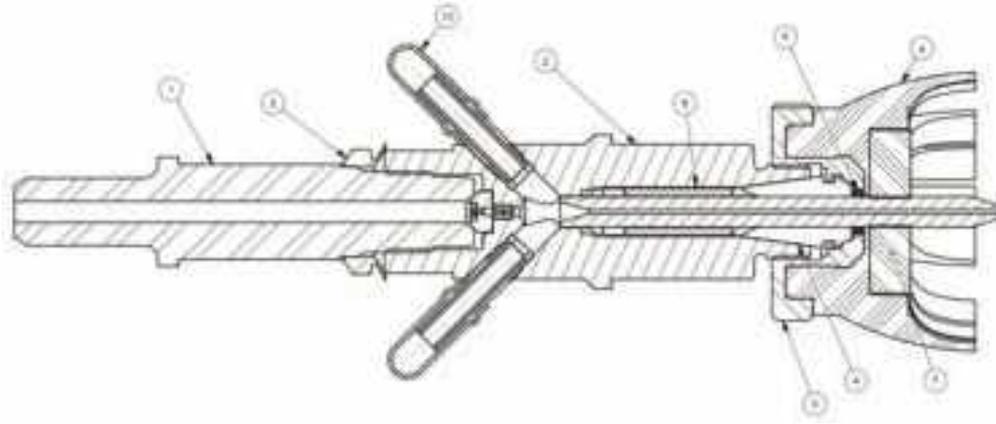
STANDARD & DYNAMIC CUTTING HEAD PARTS

DYNAMIC XD CUTTING HEAD PARTS

SPECIALISED HP TUBES

ABRASIVE FEED & METERING

Paser 4 Standard & Dynamic Cutting Head Assembly



Part No.
(1) 041137-1
(2) 041138-1
(3) A-22752-11
(4) A-23161-8
(5) 711589-1
(6) 040411-1
(7) 711933-1
(8) 712265-1
(9) A-15034-1
(10) A-11080

Mixing Chamber Assembly	Description	Part No.
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Paser 4 Abrasive Mixing Chamber Assembly	041138-1
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Nozzle Body for Paser 4, 87K PSI	Description	Part No.
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Nozzle Body for 87K PSI 4.2 In LG	041137-1
Suits Standard & DWJ	

Nozzle Body Collar	Description	Part No.
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Nozzle Body Collar, 5-8-18	710869-1
Suits Pivot+, DWJ and DXD	

Retainer Collar, Nozzle Body	Description	Part No.
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Retainer Collar, Nozzle Body / On-Off Valve	710867-1
Suits Pivot+, DWJ and DXD	

V-Ring Seal, Nozzle Body	Description	Part No.
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V-Ring Seal, Nozzle Body, Nitrile	A-22752-11
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Nozzle Body Nut, DWJ	Description	Part No.
	Nozzle Body Nut, DWJ, Sst	711589-1
O-Ring, Mixing Tube Nut	Description	Part No.
	O-Ring, Mixing Tube Nut, Buna-N	A-15034-1
Mixing Tube Cylinder Spacer	Description	Part No.
	Mixing Tube Cylinder Spacer for Paser Ecl, Sst	712265-1
Nozzle Body Precision Collet	Description	Part No.
	Precision Collet, Nozzle Body 9-32 Id, Stl	710806-1
Spray Shield	Description	Part No.
	Spray Shield for Paser Cutting Head	040411-1
Cutting Head Disk Blast, DWJ	Description	Part No.
	Cutting Head Disk Blast, DWJ 38.75mm OD	711933-1

PASER ACTUATORS & VALVE COMPONENTS

PIVOT + CUTTING HEAD PARTS

STANDARD & DYNAMIC CUTTING HEAD PARTS

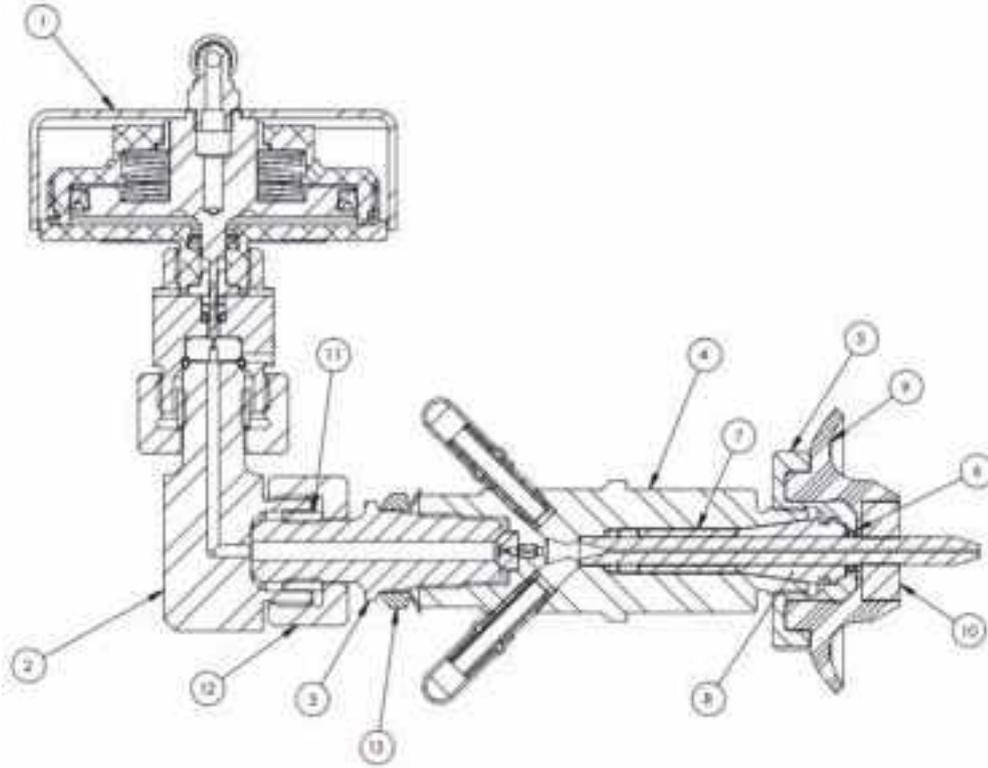
DYNAMIC XD CUTTING HEAD PARTS

SPECIALISED HP TUBES

ABRASIVE FEED & METERING

Paser 4 Dynamic XD Cutting Head Assembly

Part No.



- (1) 014660-1
- (2) 044866-1
- (3) 044837-1
- (4) 041138-1
- (5) 711589-1
- (6) A-15034-1
- (7) 712265-1
- (8) 710806-1
- (9) 0148149-1
- (10) 048151-1
- (11) 710869-1
- (12) 710867-1
- (13) A-22752-11

HP Elbow, On / Off Valve Adaptor 87K	Description	Part No.
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HP Elbow, On / Off Valve Adaptor 87K
Suits Dynamic XD

044866-1

Nozzle Body, Short 87K	Description	Part No.
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Nozzle Body, Short 87K
Suits Dynamic XD

044837-1

Mixing Chamber Assembly	Description	Part No.
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Paser 4 Abrasive Mixing Chamber Assembly

041138-1

Nozzle Body Nut, DWJ	Description	Part No.
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Nozzle Body Nut, DWJ, Ser

711589-1

	<table border="1"> <thead> <tr> <th>Description</th> <th>Part No.</th> </tr> </thead> <tbody> <tr> <td>O-Ring, Mixing Tube Nut, Buna-N</td> <td>A-15034-1</td> </tr> </tbody> </table>	Description	Part No.	O-Ring, Mixing Tube Nut, Buna-N	A-15034-1		
Description	Part No.						
O-Ring, Mixing Tube Nut, Buna-N	A-15034-1						
	<table border="1"> <thead> <tr> <th>Description</th> <th>Part No.</th> </tr> </thead> <tbody> <tr> <td>Mixing Tube Cylinder Spacer for Paser Ecl, Sst</td> <td>712265-1</td> </tr> </tbody> </table>	Description	Part No.	Mixing Tube Cylinder Spacer for Paser Ecl, Sst	712265-1		
Description	Part No.						
Mixing Tube Cylinder Spacer for Paser Ecl, Sst	712265-1						
	<table border="1"> <thead> <tr> <th>Description</th> <th>Part No.</th> </tr> </thead> <tbody> <tr> <td>Precision Collet, Nozzle Body 9-32 Id, Stl</td> <td>710806-1</td> </tr> </tbody> </table>	Description	Part No.	Precision Collet, Nozzle Body 9-32 Id, Stl	710806-1		
Description	Part No.						
Precision Collet, Nozzle Body 9-32 Id, Stl	710806-1						
	<table border="1"> <thead> <tr> <th>Description</th> <th>Part No.</th> </tr> </thead> <tbody> <tr> <td>Spray Shield, Dynamic XD</td> <td>048149-1</td> </tr> </tbody> </table>	Description	Part No.	Spray Shield, Dynamic XD	048149-1		
Description	Part No.						
Spray Shield, Dynamic XD	048149-1						
	<table border="1"> <thead> <tr> <th>Description</th> <th>Part No.</th> </tr> </thead> <tbody> <tr> <td>Cutting Head Blast Disk, 25mm DXD</td> <td>048151-1</td> </tr> </tbody> </table>	Description	Part No.	Cutting Head Blast Disk, 25mm DXD	048151-1		
Description	Part No.						
Cutting Head Blast Disk, 25mm DXD	048151-1						
	<table border="1"> <thead> <tr> <th>Description</th> <th>Part No.</th> </tr> </thead> <tbody> <tr> <td>Nozzle Body Collar, 5-8-18</td> <td>710869-1</td> </tr> </tbody> </table>	Description	Part No.	Nozzle Body Collar, 5-8-18	710869-1		
Description	Part No.						
Nozzle Body Collar, 5-8-18	710869-1						
	<table border="1"> <thead> <tr> <th>Description</th> <th>Part No.</th> </tr> </thead> <tbody> <tr> <td>Retainer Collar, Nozzle Body / On-Off Valve</td> <td>710867-1</td> </tr> <tr> <td>Suits Pivot+, DWJ and DXD</td> <td></td> </tr> </tbody> </table>	Description	Part No.	Retainer Collar, Nozzle Body / On-Off Valve	710867-1	Suits Pivot+, DWJ and DXD	
Description	Part No.						
Retainer Collar, Nozzle Body / On-Off Valve	710867-1						
Suits Pivot+, DWJ and DXD							
	<table border="1"> <thead> <tr> <th>Description</th> <th>Part No.</th> </tr> </thead> <tbody> <tr> <td>V-Ring Seal, Nozzle Body, Nitrile</td> <td>A-22752-11</td> </tr> <tr> <td>Suits DWJ and DXD</td> <td></td> </tr> </tbody> </table>	Description	Part No.	V-Ring Seal, Nozzle Body, Nitrile	A-22752-11	Suits DWJ and DXD	
Description	Part No.						
V-Ring Seal, Nozzle Body, Nitrile	A-22752-11						
Suits DWJ and DXD							

PASER ACTUATORS & VALVE COMPONENTS

PIVOT + CUTTING HEAD PARTS

STANDARD & DYNAMIC CUTTING HEAD PARTS

DYNAMIC XD CUTTING HEAD PARTS

SPECIALISED HP TUBES

ABRASIVE FEED & METERING

46 - FLOW PASER CUTTING HEADS & COMPONENTS - WATER ONLY

NOZZLES & ORIFICES

Water Only Nozzle Body, Paser 4	Description	Part No.
	Nozzle Body, Paser 4, Water Only, 60-87K	041154-1
	Suits M100, 200, 300 & 500 (Standard & Dynamic)	

PIVOT + CUTTING HEAD PARTS

Water Only Nozzle Body, Pivot+	Description	Part No.
	Nozzle Body, Pivot+, Water Only, 60-87K	061009-1
	Suits M200 Pivot+ only	

STANDARD & DYNAMIC CUTTING HEAD PARTS

Water Only Nozzle Body, DXD	Description	Part No.
	Nozzle Body, Dynamic XD, Water Only, 60-87K	047771-1
	Suits M500 Dynamic XD only	

DYNAMIC XD CUTTING HEAD PARTS

Hex Retainer Nozzle, Instajet	Description	Part No.
	Hex Retainer, Nozzle, Instajet, 1.063 In	B-1041-1

WATER ONLY CUTTING HEAD PARTS

Nozzle Retainer Nut	Description	Part No.
	Nozzle Retainer Nut	061014-1
	Suits M200 Pivot+ only	

VAC ASSIST COMPONENTS

HP Tube, Pivot+ 60K	Description	Part No.
	HP Tube .25", Cutting Head Axis 60K	060630-1
	HP Tube .25", Vertical C Axis 60K	060631-1

HP Tube, Dynamic 87K	Description	Part No.
	HP Tube .25", A & B Axis Wrist 87K	056220-1
	HP Tube .38", Vertical Axis 87K	059066-1

HP Tube, Dynamic XD 87K	Description	Part No.
	HP Tube .25", B Axis Wrist, Compass 87K	058461-1
	HP Tube .25", Vertical C Axis Wrist 87K	049573-1

PASER ACTUATORS & VALVE COMPONENTS

PIVOT + CUTTING HEAD PARTS

STANDARD & DYNAMIC CUTTING HEAD PARTS

DYNAMIC XD CUTTING HEAD PARTS

SPECIALISED HP TUBES

ABRASIVE FEED & METERING

48 - FLOW VAC-ASSIST

Vacuum Assist Maintenance Kit	Description	Part No.
	Vacuum Assist Maintenance Kit	014579-1
Pinch Valve Tube, VacAssist	Description	Part No.
	Pinch Valve Tube, 0.25" ID, Yellow, VacAssist	A-23920-17
Carbide Liner, VacAssist	Description	Part No.
	Carbide Liner, VacAssist	712251-2
Outlet Tube, VacAssist	Description	Part No.
	Outlet Tube, Latex, .75" ID x 1.125" OD, VacAssist	A-18883-3.5
Abrasive Inlet Assembly, VacAssist	Description	Part No.
	Abrasive Inlet Assembly, VacAssist M200 Pivot + Only	016182-1
VacAssist Tool Kit	Description	Part No.
	VacAssist Tool Kit	014578-1
Garnet Supply Tube, Blue	Description	Part No.
	Garnet Abrasive Supply Tube, 0.187" ID, Blue	A-24517-6

NOZZLES & ORIFICES

PIVOT + CUTTING
HEAD PARTS

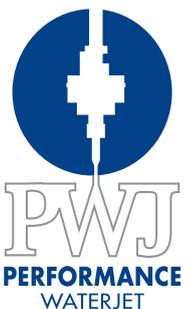
STANDARD & DYNAMIC
CUTTING HEAD PARTS

DYNAMIC XD
CUTTING HEAD PARTS

WATER ONLY
CUTTING HEAD PARTS

VAC ASSIST
COMPONENTS

FLOW ABRASIVE FEED AND METERING SYSTEMS



50 - FLOW BULK ABRASIVE FEEDER - CF 900

NOZZLES & ORIFICES
PIVOT + CUTTING HEAD PARTS
STANDARD & DYNAMIC CUTTING HEAD PARTS
DYNAMIC XD CUTTING HEAD PARTS
WATER ONLY CUTTING HEAD PARTS
ABRASIVE FEED & METERING

CF 900 Abrasive Feeder	Description	Part No.
	Flow CF 900 Bulk Abrasive Feeder	
	<p>The Flow CF 900 is a dual hopper continuous abrasive feed system which precisely monitors the availability of abrasive during the entire cutting process. This ensures your cutting process is never stopped due to garnet refilling.</p> <p>HOW IT WORKS Level sensors on the unit monitor abrasive levels and when it is almost empty, the unit automatically de-pressurizes and refills the hopper with abrasive from the garnet storage tank.</p>	
Solenoid Valve	Description	Part No.
	Solenoid Valve, 1/4" PT, Sol, 24V Normally Open	A-31125-1
	Solenoid Valve, 1/4" PT, 24V Normally Closed	A-31835-1
Solenoid Valve - Air Inlet NC	Description	Part No.
	Solenoid Valve, 3/4" PT, 24V, Normally Closed	8620 0024
Solenoid Valve - Pinch Valve	Description	Part No.
	Pinch Valve, 3/4" PT, DN20	A-31846-1
Pinch Valve Rubber	Description	Part No.
	Pinch Valve Rubber	8670 0026
Solenoid Valve - Pinch Valve NO	Description	Part No.
	Pinch Valve Solenoid Valve, Normally Open	8620 0021
Level Sensor	Description	Part No.
	Level Sensor, Pressure Vessel	059382-1
Hopper Extension	Description	Part No.
	<p>Hopper Extension, CF 900</p> <p>*Wire hopper bracing kit must be installed</p>	ABRVEXT

Precision Feedline	Description	Part No.
	Paser 4 Abrasive Meter	
	The Paser 4 garnet delivery system eliminates abrasive clogging and surging by delivering the precise amount of abrasive required to the cutting head for consistent cutting performance.	

Metering Disc	Description	Part No.
	Abrasive Metering Disc, 1964 Id	009931-4
	Abrasive Metering Disc, 2068 Id	009931-5

Rubber Bumper	Description	Part No.
	Rubber Bumper	A-11073

PASER ACTUATORS & VALVE COMPONENTS

PIVOT + CUTTING HEAD PARTS

STANDARD & DYNAMIC CUTTING HEAD PARTS

DYNAMIC XD CUTTING HEAD PARTS

SPECIALISED HP TUBES

ABRASIVE FEED & METERING



Quality systems from the best
names in ***Waterjet Cutting.***

KMT PARTS



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**Intensifier
Components**

**PRO III
Intensifier**

**Triline
Direct Drive**

**Pressure
Gauges**

**Swivels &
Components**

Filters

**Cutting
Heads**

**Abrasive
Feed/Meter**



54 - KMT INTENSIFIER - HIGH PRESSURE COMPONENTS

Seal Assembly, Dynamic	Description	Part No.
	Seal Assembly, Dynamic, J5/Hyper, 0.875 Plunger	2042 2243
	Suits: Streamline IV Plus, 15 - 60 HP	
	Streamline V 15 - 60 HP	
	Streamline VI 15 - 60 HP	
	Jetline & NEOline	
Seal Assembly, Dynamic	Description	Part No.
	Seal Assembly, Dynamic	0514 9703
	Suits: Streamline IV Plus, 75 - 200 HP	
	Streamline V 75 - 200 HP	
	Streamline VI 75 - 200 HP	
Seal Assembly, Dynamic	Description	Part No.
	Seal Assembly, Dynamic	0514 9711
	Suits Streamline V 100S	
Seal Assembly, Seal Head	Description	Part No.
	Seal Assembly, Seal Head, SSEC	1011 0393
	Suits all Soft Seal End Cap Models	
Spacer Ring, Seal Head	Description	Part No.
	Spacer Ring, Seal Head, Hard Seal End Cap	
	Suits all models with 0.875" Plunger	0514 4696
	Suits all models with 1.125" Plunger	0514 4597
Cylinder, High Pressure	Description	Part No.
	High Pressure Cylinder	
	Suits: Streamline IV, Jetline & NEOline, SSEC	0505 9712
	Suits: Streamline IV Plus, HSEC Conversion	7211 9544
	Streamline V 15 - 60 HP, S30 - 50	
	Suits: Streamline V E30 - 50	7211 9529
Suits: Streamline VI	7216 0831	

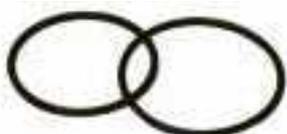
Plunger Assembly, Ceramic	Description	Part No.
	Ceramic Plunger Assembly	
	Suits all 15 - 60 HP KMT Intensifiers, 0.875" Plunger	0511 9151
	Suits all 75 - 200 HP KMT Intensifiers, 1.125" Plunger	0514 4506

Plunger Assembly, Carbide	Description	Part No.
	Plunger Assembly, Carbide	
	Suits: Jetline, NEOline, E30 - 50 & Classic KMT Pumps	0503 9771
	Can be replaced with ceramic 0511 9151	

Cylinder Liner	Description	Part No.
	High Pressure Cylinder Liner	
	Suits all 15 - 60 HP KMT Intensifiers, 0.875" Plunger	2049 7767
	Suits all 70 - 200 HP KMT Intensifiers, 1.125" Plunger	7211 0945

Cylinder Nut	Description	Part No.
	High Pressure Cylinder Nut, SSEC	
	Suits all Soft Seal End Cap Models	0505 9688
	High Pressure Cylinder Nut, HSEC	
	Suits NEOline with 4 bolts	2041 7138
	Suits all Hard Seal End Cap models with 6 bolts	8007 3646

Jacking Bolt	Description	Part No.
	Jacking Bolt, HP Cylinder Nut	8007 0352
	Suits all KMT HSEC models	

O-Ring, Cylinder Nut	Description	Part No.
	Cylinder Nut O-Ring, Inlet Water	
	Suits: Jetline & Streamline IV with SSEC	1007 4904
	Suits: All HSEC Cylinder Nuts	1007 4920

Attenuator Assembly	Description	Part No.
	Attenuator Assembly, 0.41 Litre, Complete	0512 7659
	Suits all KMT 15 HP models (2049 8322)	
	Attenuator Assembly, 0.96 Litre, Complete	0504 0696
	Suits all KMT Pump models	
	Attenuator Assembly, 2.0 Litre, Complete	2041 3237
	Suits Streamline V & VI 50 & 100 HP only	

56 - KMT INTENSIFIER - SEAL HEAD CHECK VALVE COMPONENTS

Inlet Poppet, Washer	Description	Part No.
	Inlet Poppet, Check Valve, Washer Style, 55K or lower	1010 7894
	Suits Jetline & NEOLine, Streamline IV 15 - 60 HP Streamline IV Plus 75 - 200 HP Streamline S30 - 50 & E30 - 50	
Spring, Inlet Poppet	Description	Part No.
	Compression Spring, Washer Style	4988 4562
	Suits All Washer Style Inlet Poppets	
Inlet Poppet Retainer	Description	Part No.
	Inlet Poppet Retainer, Washer Style	1011 8552
	Suits All Washer Style Inlet Poppets	
Inlet Poppet, Button	Description	Part No.
	Inlet Poppet, Check Valve, Button Style	
	Suits: All 30 & 50 HP Button Style Inlet Poppets	2045 3619
	Suits: Streamline IV Plus 75 - 200 HP Streamline V 75 - 200 HP Streamline VI 75 - 200 HP	7211 2002
Poppet Retainer Screw	Description	Part No.
	Poppet Retainer Screw	
	Suits: All 30 & 50HP Button Style Inlet Poppets	2047 4395
Inlet Poppet Retainer	Description	Part No.
	Inlet Poppet Retainer, Button Style	
	Suits: All 30 & 50 HP Button Style Inlet Poppets	2047 4391
	Suits: Streamline IV Plus 75 - 200 HP Streamline V 75 - 200 HP Streamline VI 75 - 200 HP	7211 0953
Poppet Retainer Screw & Washer	Description	Part No.
	Poppet Retainer Screw, Button Head	7214 9944
	Poppet Retainer Screw, Lock Washer, M4	7214 9952
	Suits: Streamline IV Plus 75 - 200 HP Streamline V 75 - 200 HP Streamline VI 75 - 200 HP	

Outlet Check Valve Repair Kit	Description	Part No.
	Outlet Check Valve Repair Kit	0513 3335
	Suits All KMT Intensifier Models with 0.875" Plunger	

Seal Head Assembly	Description	Part No.
	Seal Head Assembly, Check Valve, Complete	
	Suits: All KMT SSEC Models, SL - IV 15 - 60 HP	0511 6769
	Suits: NEOLine	2041 7081
	Suits: Streamline V, 15 - 60 HP, E-Series, S-Series	2048 1005
	Suits: Streamline V 75 - 200 HP	7211 0979
	Suits: Streamline VI 15 - 60 HP	7214 2526

Seal Head Body	Description	Part No.
	Seal Head Body, Check Valve	
	Suits: Jetline & Streamline IV 15 - 60 HP (0511 6769)	1010 6417
	Suits: NEOLine (2041 7081)	2041 7000
	Suits: Streamline V, 15 - 60 HP (2048 1005)	2048 1009
	Suits: Streamline V 75 - 200 HP (7211 0979)	7211 0961
	Suits: Streamline VI 15 - 60 HP (7214 2526)	7214 2493

Gland Nut, Seal Head	Description	Part No.
	Seal Head Gland Nut, Outlet	
	Suits: All 15 - 60 HP KMT Intensifiers	0511 6777
	Suits: All 75 - 200 HP KMT Intensifiers	0511 6595

58 - KMT INTENSIFIER - HYDRAULIC COMPONENTS

Hydraulic Cartridge Seal	Description	Part No.
	Hydraulic Cartridge Seal Assembly	
	Suits: Streamline IV 15 - 60 HP Streamline V 15 - 60 HP, S-Series Streamline V 100 D Streamline VI 15 - 60 HP	0513 0091
Hydraulic Cartridge Seal	Description	Part No.
	Hydraulic Cartridge Seal Assembly	
	Suits Jetline, E-Series & Classic, SSEC NEOLine	8008 6622
Hydraulic Cartridge Seal	Description	Part No.
	Hydraulic Cartridge Seal Assembly	0514 6584
	Suits: Streamline IV & V 75 - 200 HP Streamline VI 100S	
Spare Parts Kit, Hydraulic Piston	Description	Part No.
	Hydraulic Piston Spare Parts Kit	0511 5951
	Suits All Streamline Models With Piston 0511 2353	
Seal Assembly, Hydraulic Piston	Description	Part No.
	Hydraulic Piston Seal Assembly	0511 7965
	Suits All KMT Intensifier Models with 0.88" Plunger	
Bearing Ring, Hydraulic Piston	Description	Part No.
	Hydraulic Piston Bearing Glide Ring	0511 7940
	Suits All KMT Intensifier Models with 0.88" Plunger	
Piston Assembly, Complete	Description	Part No.
	Hydraulic Piston Assembly	
	Suits: Streamline IV, V, VI, E-Series, Classic & S-Series (Clevis Pin)	0513 2253
	Suits: Jetline & NEOLine (Non Clevis Pin)	7211 2358

Bushing Retainer Flange	Description	Part No.
	Bushing Retainer Flange, Hydraulic Cartridge 0.875" Plunger	0500 7786
	Suits All 60K PSI KMT Intensifier Models	

Retaining Ring	Description	Part No.
	Bushing Retainer Retaining Ring, 2.75	0503 4798
	Suits All 60K PSI KMT Intensifier Models	

Hydraulic Cylinder	Description	Part No.
	Hydraulic Cylinder, 0.875" Plunger	0503 4764
	Hydraulic Cylinder, 1.125" Plunger	7219 0074 34

Hydraulic Cylinder Head	Description	Part No.
	Hydraulic Cylinder Head	
	Suits: Jetline, NEOLine & Streamline IV, V & VI, S-Series	0503 4772
	Suits: E-Series & Classic	2041 4880

O-Ring, Cylinder Head	Description	Part No.
	Cylinder Head O-Ring, 3.75 x 4.0 x 0.13"	1007 5000
	Suits All 15 - 60 HP KMT Intensifier Models	

Back-Up Ring, Cylinder Head	Description	Part No.
	Cylinder Head Back-Up Ring, 3.75 x 4.0"	0503 4855
	Suits All KMT Intensifier Models	

Proximity Switch Kit	Description	Part No.
	Hydraulic Proximity Switch Kit, Complete	
	Suits: All KMT Intensifier Models	2045 3934
	Suits: Streamline VI Only	7214 6433

60 - KMT INTENSIFIER - HYDRAULIC COMPONENTS & ACCESSORIES

Spacer, Proximity Switch	Description	Part No.
	Proximity Switch Spacer	0514 4183
	O-Ring, 0.69 - 0.88" to Suit	0514 4191
	Suits All KMT Intensifier Models	

Temperature & Level Switch	Description	Part No.
	Temperature & Level Switch	0505 0026
	Suits SL V, E-Series, NEOLine, Classic	0520 0365

Temperature & Level Switch	Description	Part No.
	Temperature & Level Switch	
	Suits: Jetline	7211 8248
	Streamline VI	7214 5376
	Streamline VI 5S	0513 9522

O-Rings	Description	Part No.
	O-Ring, 1.0 x 1.25 x 0.13", Intensifier Support	1007 4409
	Suits All KMT Intensifier Models	
	O-Ring, 1.5 x 1.75 x 0.13", Hydraulic Manifold Block	1007 4953
	Suits All KMT Intensifier Models	
	O-Ring, 1.31 x 1.56 x 0.13", Hydraulic Pump Spacer Block	1011 8206
	Suits: Jetline, NEOLine & Classic	

Booster Pump, Water	Description	Part No.
	Vane Water Booster Pump, 200 PSI	
	Suits: Streamline IV 15 - 60 HP	0507 1659
	Suits: Jetline, NEOLine, Streamline IV Plus, S30, Streamline V, Streamline VI, E50 & Classic	4988 7094
	Suits: Streamline V & VI 75 - 200 HP	4983 6778

Pressure Switch, 30 PSI	Description	Part No.
	Inlet Water Pressure Switch, 30 PSI	0514 0751
	Suits: All KMT Pump Models	
	Inlet Water Pressure Switch, 60 PSI	0514 2062
	Suits: Jetline, NEOLine, Streamline V 50 & 100HP, Classic	
	Inlet Water Pressure Switch, 100 PSI	7213 1267
	Suits: All KMT Pump Models	

HP Tube, Intensifier Right Side	Description	Part No.
	HP Tube 0.38" Bent, Intensifier RH to Tee, Long	
	Suits: Jetline, NEOLine, Streamline V 50 & 100 HP	8007 0303
	Streamline IV R	0507 0628
	Streamline IV STD & PLUS	0514 8861
	E-Series, S30 & Classic, Streamline V & VI 15	0512 7519
	Streamline VI 50	7216 0906

HP Tube, Intensifier Left Side	Description	Part No.
	HP Tube 0.38" Bent, Intensifier LH to Tee, Short	
	Suits: Jetline, NEOLine, Streamline V 50 & 100 HP	8007 0311
	Streamline IV R	0507 0644
	Streamline IV STD & PLUS	0514 8853
	Streamline E-Series & Classic	8008 7745
	Streamline V & VI 15 & S-Series	0512 7501
	Streamline VI 50	7215 4033

HP Tube, Intensifier to Attenuator	Description	Part No.
	HP Tube 0.38" Bent, Intensifier to Attenuator	
	Suits: Jetline	7210 2577
	NEOLine	7212 2824
	Streamline IV	0507 0610
	Streamline IV & V STD & PLUS	0514 8846
	Streamline V & VI 15	2046 3546
	Streamline S-Series	0514 1882
	Streamline E-Series	8008 7380
	Streamline Classic	7211 7678
	Streamline VI 50	7215 5967

HP Tube, Attenuator to Dump Valve	Description	Part No.
	HP Tube 0.38" Bent, Attenuator to Dump Valve	
	Suits: Jetline	7210 2585
	NEOLine	7211 6215
	Streamline IV STD & PLUS	0514 8820
	Streamline V STD & PLUS	2045 4285
	Streamline V 15	2046 3543
	Streamline E-Series	2045 4174
	Streamline Classic	7211 7694
	Streamline VI	7215 4075

62 - KMT PRO III INTENSIFIER - HIGH PRESSURE COMPONENTS

INTENSIFIER
COMPONENTS

PRO III INTENSIFIER
COMPONENTS

TRILINE DIRECT
DRIVE PARTS

PRESSURE
GAUGES

LOW PRESSURE
FILTERS

CUTTING
HEADS

ABRASIVE
FEED PARTS

ABRASIVE
METERING

KMT PUMP
SERVICE TOOLS

Seal Assembly, UHP	Description	Part No.
	Ultra High Pressure Seal Assembly	7215 8494
	KMT PRO III Only	
Cylinder, UHP	Description	Part No.
	Ultra High Pressure Cylinder	7216 6738
	KMT PRO III Only	
Plunger, UHP	Description	Part No.
	Ultra High Pressure Plunger, Ceramic	7216 2253
	KMT PRO III Only	
Liner, UHP	Description	Part No.
	Ultra High Pressure Liner, Stainless Steel	7216 3802
	KMT PRO III Only	
Flange Assembly, UHP	Description	Part No.
	Ultra High Pressure Flange Assembly, End Cap	7217 8493
	KMT PRO III Only	
O-Ring, Flange	Description	Part No.
	O-Ring, 3.88 x 4.25 x 0.19", Flange Assembly	7217 6756
	KMT PRO III Only	
Tie Rod	Description	Part No.
	Tie Rod, 1.13-12 x 18.31"	2047 4325
	KMT PRO III Only	

Hex Nut, Tie Rod	Description	Part No.
	Hex Nut, 1.13-12	2046 1761
	KMT PRO III Only	

Flat Washer, Tie Rod	Description	Part No.
	Flat Washer 1.13"	2046 4590
	KMT PRO III Only	

Attenuator Assembly	Description	Part No.
	Attenuator Assembly, 1.6 Litre	2047 8834
	KMT PRO III Only	

Pressure Transducer	Description	Part No.
	Pressure Transducer	7216 0914
	KMT PRO III Only	

INTENSIFIER
COMPONENTS

KMT PRO III INTENSIFIER
COMPONENTS

TRILINE DIRECT
DRIVE PARTS

SWIVELS &
COMPONENTS

LOW PRESSURE
FILTERS

CUTTING
HEADS

ABRASIVE
FEED PARTS

ABRASIVE
METERING

KMT PUMP
SERVICE TOOLS

64 - KMT PRO III INTENSIFIER - SEAL HEAD CHECK VALVE COMPONENTS

INTENSIFIER COMPONENTS

PRO III INTENSIFIER COMPONENTS

TRILINE DIRECT DRIVE PARTS

PRESSURE GAUGES

LOW PRESSURE FILTERS

CUTTING HEADS

ABRASIVE FEED PARTS

ABRASIVE METERING

KMT PUMP SERVICE TOOLS

Seal Head Repair Kit	Description	Part No.
	Seal Head Repair Kit, Inlet & Outlet Check Valve	7211 7819
	KMT PRO III Only	

Seal Head Assembly, UHP	Description	Part No.
	Seal Head Assembly, UHP	7217 0157
	KMT PRO III Only	

Seal Head Body	Description	Part No.
	Seal Head Body, Check Valve	7216 5539
	KMT PRO III Only	

Gland Nut, Seal Head	Description	Part No.
	Seal Head Gland Nut	2048 1660
	KMT PRO III Only	

Hydraulic Cartridge Seal	Description	Part No.
	Hydraulic Cartridge Seal Assembly	0513 0091

Spare Parts Kit, Hydraulic Piston	Description	Part No.
	Hydraulic Piston Spare Parts Kit	7216 8337
	KMT PRO III Only	

Piston Assembly, Complete	Description	Part No.
	Hydraulic Piston Assembly, Complete	7210 1190
	KMT PRO III Only	

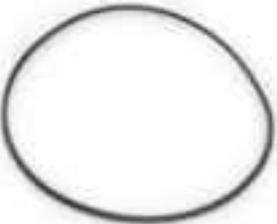
Bushing Retainer Flange	Description	Part No.
	Bushing Retainer Flange	7217 5989
	KMT PRO III Only	

O-Ring, Retainer Flange	Description	Part No.
	O-Ring, 3.88 x 4.25 x 0.19", Bushing Retainer Flange	7217 6756
	KMT PRO III Only	

Hydraulic Cylinder	Description	Part No.
	Hydraulic Cylinder	7219 0074 34
	KMT PRO III Only	

Hydraulic Cylinder Head	Description	Part No.
	Hydraulic Cylinder Head	7217 5997
	KMT PRO III Only	

66 - KMT PRO III INTENSIFIER - HYDRAULIC COMPONENTS

O-Ring, Cylinder Head	Description	Part No.
	Cylinder Head O-Ring, 5.25 x 5.5 x 0.13"	1007 4771
	KMT PRO III Only	
Back-Up Ring, Cylinder Head	Description	Part No.
	Cylinder Head Back-Up Ring, 5.25 x 5.5"	0512 0092
	KMT PRO III Only	
Proximity Switch Kit	Description	Part No.
	Hydraulic Proximity Switch Kit, Complete	7214 1569
	KMT PRO III Only	
Spacer, Proximity Switch	Description	Part No.
	Proximity Switch Spacer	0514 4183
	O-Ring, 0.69 x 0.88" to Suit	0514 4191
O-Rings	Description	Part No.
	O-Ring, 1.31 x 1.56 x 0.13", Topworks Support	1011 8206
	O-Ring, 1.88 x 2.13 x 0.13", Hydraulic Manifold Block	4988 2087

UHP Tube, Intensifier Right Side	Description	Part No.
	UHP Tube 0.38" Bent, Intensifier RH to Tee, Long	7213 1788
	KMT PRO III Only	
UHP Tube, Intensifier Left Side	Description	Part No.
	UHP Tube 0.38" Bent, Intensifier LH to Tee, Short	7213 1795
	KMT PRO III Only	
UHP Tube, Intensifier to Attenuator	Description	Part No.
	UHP Tube 0.38", Bent, Intensifier to Attenuator	7215 8312
	KMT PRO III Only	
UHP Tube, Attenuator to Dump Valve	Description	Part No.
	UHP Tube 0.38", Bent, Attenuator to Dump Valve	7215 8403
	KMT PRO III Only	
UHP Tube, Attenuator to Transducer	Description	Part No.
	UHP Tube 0.38", Bent, Attenuator to Transducer	7215 8411
	KMT PRO III Only	
UHP Tube, Dump Valve to Drain	Description	Part No.
	UHP Tube 0.38", Bent, Dump Valve to Drain	7217 5565
	KMT PRO III Only	

INTENSIFIER COMPONENTS

PRO III INTENSIFIER COMPONENTS

TRILINE DIRECT DRIVE PARTS

SWIVELS & COMPONENTS

LOW PRESSURE FILTERS

CUTTING HEADS

ABRASIVE FEED PARTS

ABRASIVE METERING

KMT PUMP SERVICE TOOLS

68 - KMT TRILINE DIRECT DRIVE - HIGH PRESSURE COMPONENTS

Minor Repair Kit, Triline	Description	Part No.
	Minor Maintenance Repair Kit	7218 5099



Kit Contains:

Dynamic Seal	7218 5177
Rod Seal, Dynamic	7218 5125
Inlet Poppet	7218 5133
Compression Spring, Inlet Poppet	7218 5141
Sleeve, Inlet Poppet	7218 5167
Discharge Poppet	7218 5185
Seat, Discharge Poppet	7218 5192
Compression Spring, Discharge Poppet	7218 5200
O-Ring, End Cap	2043 4082
O-Ring, Subplate Adaptor	0512 2007
O-Ring, Subplate Adaptor	2043 4082
O-Ring, Subplate Adaptor	1007 4383
Rod Seal, Subplate Adaptor	7218 5208
Retaining Ring, Rod Seal	7218 5226
Poppet / Seat Assembly, PCV	7218 5234
Grease, O-Ring	1008 7385
Grease, Anti-Seize	4983 2199

End Cap Assembly	Description	Part No.
	End Cap Assembly, Triline	049887-1

Tie Rod	Description	Part No.
	Tie Rod, End Cap, Triline	049582-1

Hex Nut	Description	Part No.
	Hex Nut, Triline	A-0311-36

Major Repair Kit, Triline	Description	Part No.
	Major Maintenance Repair Kit	7218 5284



Kit Contains:

Dynamic Seal	7218 5177
Rod Seal, Dynamic	7218 5125
Seal Carrier Assembly	7218 5291
Inlet Poppet	7218 5133
Compression Spring, Inlet Poppet	7218 5141
Sleeve, Inlet Poppet	7218 5167
Compression Spring, Displacer	7218 6948
Poppet Guide, Discharge	7218 5167
Discharge Poppet	7218 5185
Seat, Discharge Poppet	7218 5192
Compression Spring, Discharge Poppet	7218 5200
Check Valve Body	7218 5307
O-Ring, Check Valve	1007 4383
O-Ring, End Cap	2043 4082
High Pressure Cylinder	7218 5325
O-Ring, Subplate Adaptor	0512 2007
O-Ring, Subplate Adaptor	2043 4082
O-Ring, Subplate Adaptor	1007 4383
Rod Seal, Subplate Adaptor	7218 5208
Retaining Ring, Rod Seal	7218 5226
Compression Spring, Plunger Rod	7218 6940
Plunger Assembly	7218 6914
V-Belt Set	7218 6890
Poppet / Seat Assembly, PCV	7218 5234
Grease, O-Ring	1008 7385
Grease, Anti-Seize	4983 2199

70 - KMT TRILINE DIRECT DRIVE - LOW PRESSURE COMPONENTS

INTENSIFIER
COMPONENTS

PRO III INTENSIFIER
COMPONENTS

TRILINE DIRECT
DRIVE PARTS

PRESSURE
GAUGES

LOW PRESSURE
FILTERS

CUTTING
HEADS

ABRASIVE
FEED PARTS

ABRASIVE
METERING

KMT PUMP
SERVICE TOOLS

Seal Carrier, Crank Case	Description	Part No.
	Seal Carrier, Crank Case	015445-1

Seal Shaft, Crosshead, Crank Case	Description	Part No.
	Seal Shaft, Crosshead Crank Case	A-26487-1

O-Ring, Crank Case	Description	Part No.
	O-Ring, D .47 .3 x 2.62, Crank Case	A-26489-1



Maintenance Kit, PCV	Description	Part No.
	Pressure Control Valve Maintenance Kit	7218 5333
	Kit Contains:	
	Bearing Assembly	7218 5341
	Plunger, PCV	7218 5349
	Seal, PCV Plunger	7218 5357
	O-Ring, Plunger Seal	1011 3884
	O-Ring, Drain Collar	7212 9276
	O-Ring, Drain Collar	7212 9268
	Grease, O-Ring	1008 7385

Poppet / Seat Assembly, PCV	Description	Part No.
	Pressure Control Valve Poppet / Seat Assembly	7218 5234
	Kit Contains:	
	Poppet	7218 5250
	Seat	7218 5258
	Seal Ring, Static	7218 5276

INTENSIFIER COMPONENTS

PRO III INTENSIFIER COMPONENTS

TRILINE DIRECT DRIVE PARTS

SWIVELS & COMPONENTS

LOW PRESSURE FILTERS

CUTTING HEADS

ABRASIVE FEED PARTS

ABRASIVE METERING

KMT PUMP SERVICE TOOLS

72 - KMT PRESSURE GAUGES

Pressure Gauge - Bottom Mount	Description	Part No.
	0 - 200 psi, SST, .25 NPT	0504 4052
	0 - 5000 psi, SST, .25 O-Ring	0504 5497
	Glycerine Filled 0 - 100,000 psi, .25 HP, 4.25" Diameter. Face, Bottom Mount	2044 3831
	0 - 200 psi, SST, .25 NPT, Back Mount	0513 9506

HP Swivel Joint Assembly	Description	Part No.
	Swivel Joint, 1/4" 90°, F/F, 60K	
	1/4" Female / Female Connection	CJ21 8188

HP Swivel Joint Assembly	Description	Part No.
	Swivel Joint, 1/4" 90°, M/F	
	1/4" Male / Female Connection	CJ20 1288

HP Swivel Joint Assembly	Description	Part No.
	Swivel Joint, 1/4" Straight, M/F, 60K	
	1/4" Male / Female Connection	CJ21 1388

Swivel Rebuild Kit	Description	Part No.
	1/4" Swivel Rebuild Kit consists of 1 each: Seal assembly BJ201388, Set screw 10103505, 600 grit emery cloth 10149045, Thrust bearing & 2 Thrust washers.	
	1/4"	0511 6009

Swivel Joint Seal Assembly	Description	Part No.
	Seal Assembly, HP Swivel	BJ20 1388

Swivel Thrust Washer	Description	Part No.
	Thrust Washer, HP Swivel	1009 4647

HP Swivel Joint Assembly	Description	Part No.
	HP Swivel Joint Assembly	1008 4713

74 - KMT FILTERS

INTENSIFIER COMPONENTS

PRO III INTENSIFIER COMPONENTS

TRILINE DIRECT DRIVE PARTS

PRESSURE GAUGES

LOW PRESSURE FILTERS

CUTTING HEADS

ABRASIVE FEED PARTS

ABRASIVE METERING

KMT PUMP SERVICE TOOLS

Filter Housing 10 & 20"	Description	Part No.
	10" Grey Bowl - Standard 3/4" Inlet/Outlet	400023FH10

Stainless Filter Housing 10"	Description	Part No.
	Stainless bowl 142 PSI rated 3/4" Inlet / Outlet	400023FH-10-SS

Filter Cartridge Standard - 20"	Description	Part No.
	20" x 0.5 mic	400023-20-05
	20" x 1 mic	400023-20-1
	20" x 10 mic	400023-20-10

Filter Cartridge Standard - 10"	Description	Part No.
	10" x 0.5 mic	400023-1-05
	10" x 1 mic	400023-1-1
	10" x 5 mic	400023-1-5
	10" x 10 mic	400023-1-10
	10" x 40 mic	1010 0782

Filter Cartridge Pleated - 10 & 20"	Description	Part No.
	10" x 1 mic	400023-1-1P
	10" x 10 mic	400023-1-10P
	20" x 1 mic	400023-20-1P
	20" x 10 mic	400023-20-10P



Filter Element, Hydraulic	Description	KMT Part No.
	Hydraulic Filter Element, 6 Micron	
	Suits: Jetline only	2046 8666
	Suits: NEOLine, Streamline IV, V & VI	0504 9689
	Streamline S30, E50 & Classic	

Filter Element, Hydraulic	Description	Part No.
	Hydraulic Filter Element, 10 Micron	0510 4187
	Suits: Streamline V 100HP & Pro III	

Filter Assembly, HP Water	Description	Part No.
	High Pressure Water Filter Assembly	
	0.25 x 0.25"	0511 4137
	0.38 x 0.38"	CJ20 0988
	0.56 x 0.56"	BF10 3473
	See page 203 for spare parts	

INTENSIFIER
COMPONENTS

PRO III INTENSIFIER
COMPONENTS

TRILINE DIRECT
DRIVE PARTS

SWIVELS &
COMPONENTS

LOW PRESSURE
FILTERS

CUTTING
HEADS

ABRASIVE
FEED PARTS

ABRASIVE
METERING

KMT PUMP
SERVICE TOOLS

“Very happy with the way our parts arrive next day & the professional help your company gives us. Couldn't ask for better service.”

- Waterjet Operator (Melbourne, VIC)



KMT CUTTING HEADS

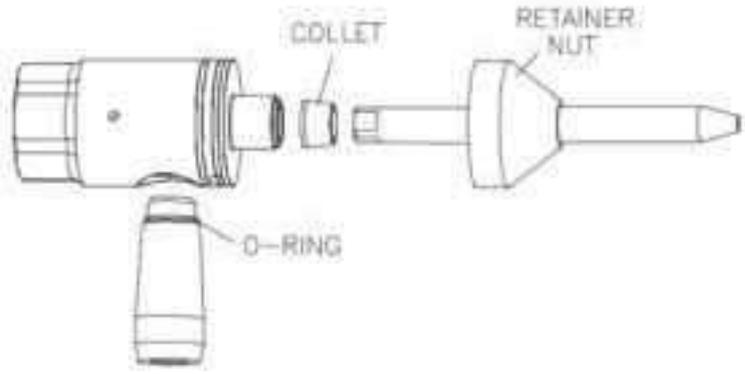


78 - KMT CUTTING HEADS & COMPONENTS



Abrasive Nozzles for KMT style cutting heads	Description	Part No.
	63.5mm Long x 0.76mm ID Roctec 100	FTKS076635-100
	63.5mm Long x 0.76mm ID Silverline	FTKS076635-S
	63.5mm Long x 1.02mm ID Roctec 100	FTKS102635-100
	63.5mm Long x 1.02mm ID Silverline	FTKS102635-S
	76mm Long x 0.76mm ID Roctec 100	FTKS076762-100
	76mm Long x 0.76mm ID Roctec 500	FTKS076762-500
	76mm Long x 0.76mm ID Silverline	FTKS076762-S
	76mm Long x 1.02mm ID Roctec 100	FTKS102762-100
	76mm Long x 1.02mm ID Roctec 500	FTKS102762-500
	76mm Long x 1.02mm ID Silverline	FTKS102762-S
	79.5mm Long x 0.76mm ID Roctec 100	FTKS076795-500
	79.5mm Long x 1.02mm ID Roctec 100	FTKS102795-100

KMT Orifice Assemblies	Autoline™ Diamond Abrasive Cutting	Autoline™ Sapphire Abrasive Cutting	Autoline™ Diamond Water Cutting	Autoline™ Sapphire Water Only Cutting	Food Grade Diamond Water Only Cutting
Natural Diamond orifices for longest service life. Manufactured using a sintered process for perfect alignment.					
.003"/0.08 mm	n/a	n/a	4988 8852	A226 0003	n/a
.004"/0.10 mm	2044 8625	n/a	4988 8860	A226 0004	n/a
.005"/0.12 mm	n/a	n/a	4988 8878	A226 0005	7211 3688
.006"/0.15 mm	n/a	n/a	4988 8886	A226 0006	7213 2350
.007"/0.17 mm	0506 3847	0510 9079	4988 8894	A226 0007	7211 3680
.008"/0.20 mm	0511 2537	0510 9087	4988 8902	A226 0008	7213 2358
.009"/0.23 mm	0508 4504	0510 9095	4988 8910	A226 0009	7213 6231
.010"/0.25 mm	0507 7029	0510 9103	4988 8928	A226 0010	7213 6249
.011"/0.28 mm	0510 1753	0510 9111	n/a	A226 0011	7213 6256
.012"/0.30 mm	0507 7300	0510 9129	4988 8936	A226 0012	n/a
.013"/0.33 mm	0513 6098	2041 2569	4983 6786	A226 0013	n/a
.014"/0.35 mm	0507 7037	0510 9137	4988 8944	A226 0014	n/a
.015"/0.38 mm	8007 5781	n/a	4988 8951	A226 0015	n/a
.016"/0.40 mm	0512 1512	2044 8541	4988 8969	A226 0016	n/a
.018"/0.45 mm	0511 4905	0511 4913	4988 8977	A226 0018	n/a
.019"/0.48 mm	8008 6663	8008 6671	2043 6198	A226 0019	n/a
.020"/0.50 mm	0511 4897	0511 4921	4988 8985	A226 0020	n/a

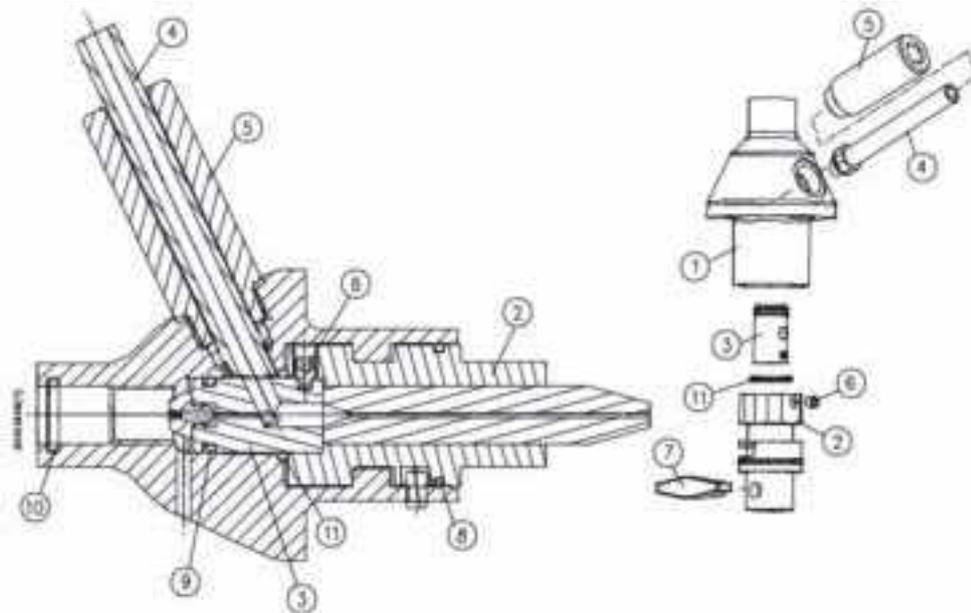
KMT IDE & IDE PRO Cutting Head Assembly	Description	Part No.
	(1) O-Ring	1007 4870
	(2) Collet	2045 4345
	(3) Retainer Nut	2045 4342

KMT IDE 60K Cutting Head with Short Stop Filter	Description	Part No.
	Diamond Orifice Size	
	0.007" / 0.17mm	20477950007
	0.008" / 0.20mm	20477950008
	0.009" / 0.23mm	20477950009
	0.010" / 0.25mm	20477950010
	0.011" / 0.28mm	20477950011
	0.012" / 0.30mm	20477950012
	0.013" / 0.33mm	20477950013
	0.014" / 0.35mm	20477950014
	0.016" / 0.40mm	20477950016
0.018" / 0.45mm	20477950018	

KMT IDE PRO 90K Cutting Head Assembly	Description	Part No.
	Diamond Orifice Size	
	0.007" / 0.17mm	20481407
	0.008" / 0.20mm	20481408
	0.009" / 0.23mm	20481409
	0.010" / 0.25mm	20481410
	0.011" / 0.28mm	20481411
	0.012" / 0.30mm	20481412
	0.013" / 0.33mm	20481413
	0.014" / 0.35mm	20481414
	0.016" / 0.40mm	20481416
(Nozzle not included)		

80 - KMT CUTTING HEADS & COMPONENTS - AUTOLINE II

Autoline II Cutting Head Assembly



Part No.
(1) 2045 3952
(2) 2045 3958
(3) 2045 3064
2045 3082
(4) 2045 3964
(5) 2045 3973
(6) 2043 3398
(7) 2045 3976
(8) 0513 8821
(9) 2044 5476
(10) 0508 1518
(11) 0507 7078

Autoline™ II Complete Assembly



Description	Part No.
The Autoline™ II is an outstanding head that delivers faster cutting while using less abrasive.	
Kit includes KMT pneumatic valve (N/C), Autoline™ II, 6" nozzle tubes, Carbide wear insert, Focusing tube, KMT Autoline™ Diamond Orifice and 24V DC solenoid valve.	
.010" Diamond w/.030" Abrasive Nozzle	2045 4381
.014" Diamond w/.040" Abrasive Nozzle	2045 4387

Autoline™ II Assembly



Description	Part No.
Outstanding cutting head that delivers sharper, more coherent cutting stream for faster cutting while using less abrasive.	
.030, .38 HP Assembled with .030" wear insert	2045 3949
.043, .38 HP Assembled with .043" wear insert	2045 4108

Autoline™ II Assembly - Package



Description	Part No.
.010/.030	20454117
.012/.036	20454120
.013/.040	20454123
.014/.043	20454126
* Package includes: Diamond orifice, Carbide wear insert and Abrasive nozzle	

Autoline™ II Cap	Description	Part No.
	Outer body of Autoline™ II cutting head. For use with .38 nozzle tube only.	
	.38 HP, 25D, Abrasive INL	2045 3952

Autoline™ II Body	Description	Part No.
	Internal, removable cartridge of Autoline™ II Cutting Head	2045 3958

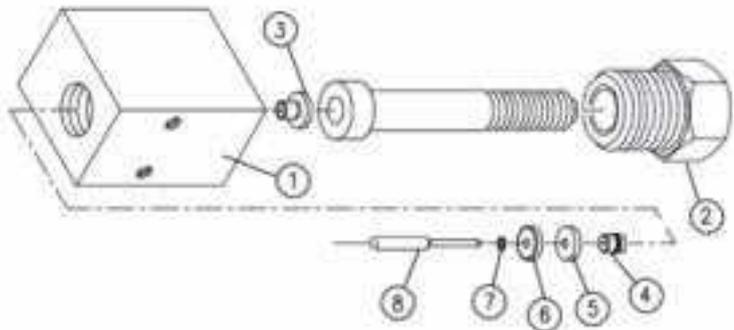
Autoline™ & II™ Wear Insert	Description	Part No.
	Carbide Abrasive Mixing Chamber	
	.030", 25D Abrasive INL, Autoline II	2045 3064
	.043", 25D Abrasive INL, Autoline II	2045 3082
	.030", 45D INL, Autoline I	0507 6955
	.043", 45D INL, Autoline I	0513 5827

Abrasive Feed Tube Assembly	Description	Part No.
	Abrasive Feed Tube Assembly	2045 3964
	Suits Autoline II	

Autoline II™ Cutting Head Rebuild Kit	Description	Part No.
	Rebuild Kit - Autoline II Cutting Head	2045 4129
	Rebuild Kit - Autoline I Cutting Head	0507 7367

Knob Retainer	Description	Part No.
	Knob Retainer, T-Handle, Autoline II	2045 3976

82 - KMT CUTTING HEADS & COMPONENTS

KMT Normally Closed Valve Assembly	Part No.
	(1) 1018 9181
	(2) BV701184
	(3) 1017 8697
	(4) 2042 8052
	(5) 1018 8233
	(6) 1018 7250
	(7) 4989 5584
	(8) 2043 5636

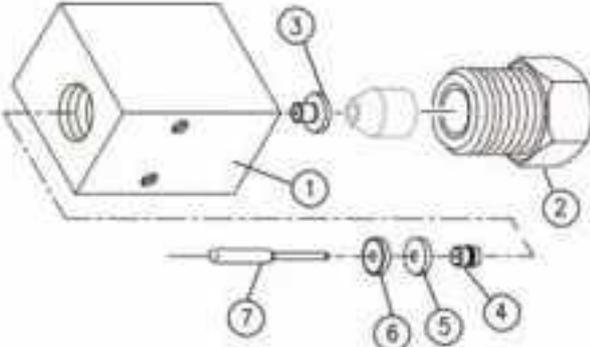
HP Water Valve/ Actuator Ass.	Description	Part No.
	Pneumatic, Normally Closed The Normally Closed valve, which requires air to open, can maintain water pressure even if air pressure is lost. Assembled with 9/16" gland nut for use with standard KMT Nozzle Tubes.	1013 8824
	Replaces 8008 5905	

Normally Closed Valve Repair Kit	Description	Part No.
	Normally Closed Valve Repair Kit, On / Off Valve	0511 6025
	Kit Contains:	
	HP Seal Assembly	2042 8052
	Back-Up Ring, Brass	1018 8233
	Back-Up Ring, Stainless Steel	1018 7250
	Valve Seat	1017 8697
	Valve Stem	2043 5636
	O-Ring Stem	

Valve Body	Description	Part No.
	Valve Body, Normally Closed On / Off Valve	1018 9181

Gland Nut, Outlet	Description	Part No.
	Valve Outlet Gland Nut 0.56", Std. Nozzle Tube	BV701184
	Valve Outlet Gland Nut 0.75", IDE Nozzle Tube	2045 4351

Air Actuator, Normally Closed	Description	Part No.
	Normally Closed Air Actuator, On / Off Valve	1017 7855

KMT Normally Open Valve Assembly, 2-Port	Part No.
	(1) 1018 9181
	(2) 1007 9580
	(3) 1017 8697
	(4) 2042 8052
	(5) 1018 8233
	(6) 1018 7250
	(7) 2043 5636

HP Water Dump Valve	Description	Part No.
	Pneumatic, Normally Open The Normally Open valve, which requires air pressure to Close, releases system pressure within 125 milliseconds, providing better protection to high pressure components.	1018 4760

Normally Open Valve Repair Kit	Description	Part No.
	Normally Open Valve Repair Kit, Dump Valve	0511 6017
	Kit Contains:	
	HP Seal Assembly	2042 8052
	Back-Up Ring, Brass	1018 8233
	Back-Up Ring, Stainless Steel	1018 7250
	Valve Seat	1017 8697
	Valve Stem	2043 5636
	O-Ring 2.44 x 2.63 x 0.09", Actuator Lid	1007 4714
	O-Ring 2.25 x 2.38 x 0.06", Actuator Piston	1007 4565

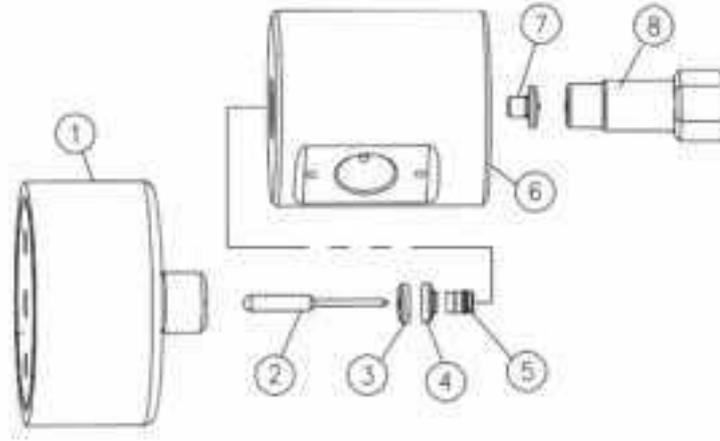
Valve Body, Rectangle	Description	Part No.
	Rectangle Valve Body, Normally Open Dump Valve	1018 9181

Outlet Adaptor, Dump Valve	Description	Part No.
	Valve Outlet Adaptor 0.56 x 0.25"	1007 9580

Air Actuator, Normally Open	Description	Part No.
	Normally Open Air Actuator, On / Off Valve	1018 9553

84 - KMT CUTTING HEADS & COMPONENTS

KMT Normally Open Valve Assembly



Part No.

- (1) 1018 9553
- (2) 2043 5636
- (3) 1018 7250
- (4) 1018 8233
- (5) 2042 8052
- (6) 2042 7648
- (7) 1017 8697
- (8) 4983 0904

HP Water Dump Valve



Description

Pneumatic, Normally Open, 3-Port Dump Valve
 The Normally Open valve, which requires air to Close, releases system pressure within 125 milliseconds, providing better protection to high pressure components.

Part No.

2042 7739

Normally Open Valve Repair Kit



Description

Normally Open Valve Repair Kit, Dump Valve

Part No.

0511 6017

Kit Contains:

- HP Seal Assembly 2042 8052
- Back-Up Ring, Brass 1018 8233
- Back-Up Ring, Stainless Steel 1018 7250
- Valve Seat 1017 8697
- Valve Stem 2043 5636
- O-Ring 2.44 x 2.63 x 0.09", Actuator Lid 1007 4714
- O-Ring 2.25 x 2.38 x 0.06", Actuator Piston 1007 4565

Valve Body, Round



Description

Round Valve Body, Normally Open Dump Valve

Part No.

2042 7648

Outlet Adaptor, Dump Valve	Description	Part No.
	Round Dump Valve Adaptor	4983 0904
Air Actuator, Normally Open	Description	Part No.
	Normally Open Air Actuator, On / Off Valve	1018 9553
Solenoid Valve	Description	Part No.
	Standard Solenoid Valve used with all KMT pneumatic valves.	
	.125, 24 Volt	4988 8035

INTENSIFIER
COMPONENTS

PRO III INTENSIFIER
COMPONENTS

TRILINE DIRECT
DRIVE PARTS

SWIVELS &
COMPONENTS

LOW PRESSURE
FILTERS

CUTTING
HEADS

ABRASIVE
FEED PARTS

ABRASIVE
METERING

KMT PUMP
SERVICE TOOLS

86 - KMT CUTTING HEAD COMPONENTS - NOZZLE TUBES

NOZZLE TUBES	Description	Part No.
(All dimensions are Diameter" x Length")		
	Nozzle Tube to 0.38" HP Tube Connection	
	0.38 x 4.0	1013 8584
	0.38 x 5.0	1013 8592
	0.38 x 6.0	1013 8600
	0.38 x 8.0	1013 8634
	Nozzle Tube to 0.38" Nozzle Nut / Autoline Connection	
	0.38 x 4.0	1013 8402
	0.38 x 5.0	1013 8410
	HP Tube 0.38" to Nozzle Nut Connection	
	0.38 x 6.0	A225 96
	0.38 x 8.0	A225 9800
	Nozzle Tube 0.75" to KMT IDE Connection	
	0.75 x 3.75	2048 9074
	0.75 x 4.75	2048 9092
	0.75 x 5.75	2045 5329
	UHP Nozzle Tube 0.75" to KMT IDE PRO Connection	
	0.75 x 4.50	2048 7249
	0.75 x 5.75	2048 7257
	0.75 x 6.25	2049 7106
	0.75 x 9.75	2048 7273

Nozzle Nut	Description	Part No.
	Orifice retainer for water-only cutting	
	3/8" Tube	B2841
	9/16" Tube	B3393

KMT ABRASIVE FEED AND METERING SYSTEMS



88 - KMT BULK ABRASIVE FEEDER - ABRALINE V

Abraline V Abrasive Feeder	Description	Part No.
	Abraline V Bulk Abrasive Feeder	8610 0029
	<p>The Abraline V is a dual hopper, continuous feed system designed for operators who need to cut continuously without stopping to refill abrasive. With 400Kg garnet capacity for up to 16 hours of continuous cutting, the Abraline V is suited for all general cutting applications</p> <p>HOW IT WORKS As material feeds out of the pressure hopper, a level sensor in the lower hopper senses low abrasive, automatically depressurizes and then allows the hopper to be recharged from the silo. A low level alarm sounds when the silo requires refilling.</p>	
Solenoid Valve - Pinch Valve	Description	Part No.
	Pinch Valve, 3/4" PT, DN20	A-31846-1
	3/4" Pinch Valve, Air Bleed - Abraline V	8670 0065
Pinch Valve Rubber	Description	Part No.
	Pinch Valve Rubber, Abraline V	8670 0026
Solenoid Valve - Air Inlet NC	Description	Part No.
	Air Inlet Solenoid Valve, Normally Closed	8620 0024
Solenoid Valve - Pinch Valve NO	Description	Part No.
	Pinch Valve Solenoid Valve, Normally Open	8620 0021
Solenoid Valve	Description	Part No.
	Solenoid Valve	05219549
Level Sensor	Description	Part No.
	Level Sensor, Abraline V	8620 0023
Hopper Extension	Description	Part No.
	Hopper Extension, Abraline V	ABRVEXT
	*Wire hopper bracing kit must be installed	

Abraline III Abrasive Feeder	Description	Part No.
	Abraline III Bulk Abrasive Feeder	
	(No Longer Available) Image for identification purposes only.	

Pop-Up Plunger	Description	Part No.
	Pop-Up Plunger, Abraline III	8670 0013
	(80324/86100013) Plunger, Abraline (Cone)	2047 6847

Plunger Gasket	Description	Part No.
	Plunger Gasket, Abraline III	8670 0005

Solenoid Valve - Air	Description	Part No.
	Solenoid Valve	80604
	Solenoid Valve, 2/2 way, N/O - Abraline	80645

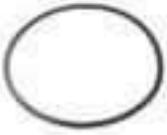
Valve, Solenoid, 1/4 PT, SOL, 24V	Description	Part No.
	Valve, Solenoid, 1/4 PT, SOL, 24V, N/C	8620 0037

Level Sensor	Description	Part No.
	Level Sensor, Abraline III	80312

Safety Valve Abraline III 7 Bar	Description	Part No.
	Safety Valve Abraline III 7 Bar	80624

90 - KMT ABRASIVE METER - PRECISION FEEDLINE

Precision Feedline	Description	Part No.
	Precision Feedline Abrasive Meter	2049 7504
	The Precision Feedline provides precise control of the flow of garnet to the cutting head which has a direct impact on garnet consumption, reduces the number of blockages caused by fluctuations in feed rate and results in better edge quality of the workpiece. The Precision Feedline has a 'Dial-Up' abrasive feed adjustment, Can be adjusted while cutting	
Air Actuator	Description	Part No.
	Air Actuator, Precision Feedline	7210 1073
Feeder Housing	Description	Part No.
	Feeder Housing, Clear, Precision Feedline	2049 7470
Feeder Housing O-Ring	Description	Part No.
	Housing O-Ring, Precision Feedline	4987 4423
On/Off Gate	Description	Part No.
	On/Off Gate, Precision Feedline	2049 8725
Feeder Housing Support	Description	Part No.
	Housing Support, Precision Feedline	20497463
Metering Assembly	Description	Part No.
	Metering Assembly, Precision Feedline	7210 9813
Lead Screw Nut Assembly	Description	Part No.
	Lead Screw Nut Assembly, Precision Feedline	7210 1536
Precision Feedline Cap	Description	Part No.
	Precision Feedline Cap	2049 7445
Stud, 1/4" - 20" x 7.0	Description	Part No.
	Stud, 1/4" - 20" x 7.0 Feedline Precision	7211 5018

EZ Feedline	Description	Part No.
	EZ Feedline Abrasive Meter	2048 6762
	The EX Feedline has a hexagonal plate with 6 predetermined feed rates for abrasive.	
	0.5, 0.75, 1.0, 1.5, 2.0, 2.5 Lb / minute The cutting operation must be shut down before feedrate can be adjusted.	
Feeder Housing Base	Description	Part No.
	Housing Base, EZ Feedline	2048 5151
Feeder Housing	Description	Part No.
	Feeder Housing, Clear, EZ Feedline	2049 9788
	Housing - Ez Feedline	2047 9788
Feeder Housing O-Ring	Description	Part No.
	Feeder Housing O-Ring, EZ Feedline	4987 4423
Orifice Plate	Description	Part No.
	Orifice Plate, EZ Feedline	2048 0396
On/Off Gate	Description	Part No.
	On/Off Gate, EZ Feedline	2048 5167
Cap - Ez Feedline	Description	Psrt No.
	Cap - Ez Feedline	2048 5125
Abrasive Feed Tube	Description	Psrt No.
	Abrasive Feed Tube, Clear, Anti-Static, 3/8"	4988 5361
	Sold /inch	

92 - KMT ABRASIVE METER - FEEDLINE V

Feedline V	Description	Part No.
	Feedline V Electronic Abrasive Meter	7210 5096
	<p>The KMT Feedline V abrasive metering system is precisely controlled through a central CNC controller or a potentiometer and supplies the cutting head with the optimum feed rate depending on the product being cut.</p> <p>Abrasive feed rates for each product can be preset and when the cut program is loaded the CNC program can communicate with the Feedline V to increase or reduce the abrasive feed rate specific to the product being cut.</p> <p>This results in significant reduction of abrasive usage. This is especially so if you are alternating between cutting of thick and thin materials.</p>	
Step Motor	Description	Part No.
	Step Motor, SMA Unit, Feedline V	80371
Dosing Wheel	Description	Part No.
	Dosing Wheel, Feedline V	2042 6444
Control Unit	Description	Part No.
	Control Unit, SMA, Feedline V	80373
O-Ring	Description	Part No.
	O-Ring	
	1.19 x .38 x .09	1019 3522
Shaft Seal	Description	Part No.
	Shaft Seal	
	6.0 x 15.0 x 4.0	05 21 0561
Side Cover, Seal	Description	Part No.
	Side Cover, Clear, Feedline V	0521 4487
	Seal, Side Cover, Feedline V	0521 5172
	Mounting Stud, Wing Head, Feedline V	0521 0405
Feedline V Abrasive Metering System, Electric	Description	Part No.
	Feedline V Abrasive Metering System, Electric	7210 5096

HP Cylinder Wrench	Description	Part No.
	HP Cylinder Wrench Tool - 3.8	0506 6139
HP Seal Removal Tool	Description	Part No.
	HP Seal Removal Tool	1014 8674
HP Seal & Plunger Removal Tool	Description	Part No.
	HP Seal & Plunger Removal Tool - 0.875" Plunger	2047 7460
Intensifier End Cap Spanner	Description	Part No.
	Soft Seal End Cap Spanner	1012 7884
HP Valve Seal Install Toolkit	Description	Part No.
	On/Off Valve Seal Removal & Install Toolkit	2047 0475

INTENSIFIER COMPONENTS

PRO III INTENSIFIER COMPONENTS

TRILINE DIRECT DRIVE PARTS

SWIVELS & COMPONENTS

LOW PRESSURE FILTERS

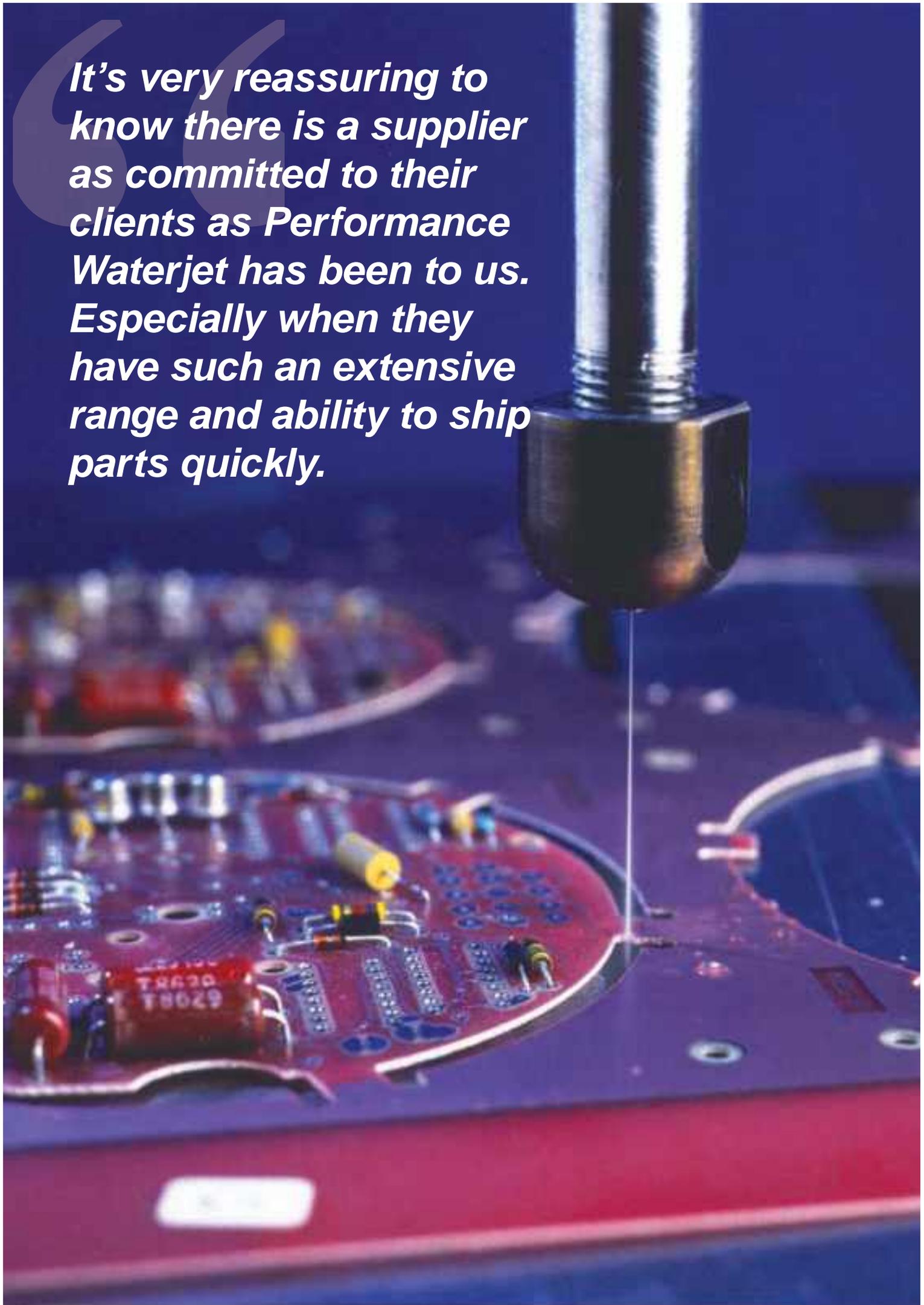
CUTTING HEADS

ABRASIVE FEED PARTS

ABRASIVE METERING

KMT PUMP SERVICE TOOLS

It's very reassuring to know there is a supplier as committed to their clients as Performance Waterjet has been to us. Especially when they have such an extensive range and ability to ship parts quickly.



H2O JET PARTS



Contents

Pumps	96
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Pumps

Intensifiers

High Press.
Components

Check Valve
Components

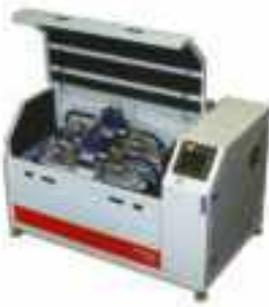
Hydraulic
Components

Intensifier
Shifting

LP Water
Filters

Cutting
Heads





The **Advantage** intensifiers are ideal for both water-only and abrasive waterjet cutting applications. The operator friendly features provide real time diagnostics; quiet operation and easy access to all internal pumps components, and the Intensifiers are mounted at tabletop height for ease of maintenance.

Advantage Pump Features and Benefits:

- Six Models supporting orifice sizes up to 0.5mm, making it easy to choose the right pump for your application.
- Up to 7.61 lpm flow rate at 60,000 psi, for faster more efficient cutting.
- Ergonomic, accessible design with removable doors and covers, table top intensifier height, making it easy to keep your pump serviced.
- Constant maximum pressure with minimum pressure fluctuation, allowing faster and more precise cutting.
- Superior Reliability, making your cutting operations more profitable.
- Quiet Operation (less than 80 dB)

Specifications		
Model Intensifiers	H50S or R Single or Redundant	H100D Dual
Maximum Operating Pressure	60,000 psi (4150 bar)	60,000 psi (4150 bar)
Flow Rate	1 gpm (3.8 l/min)	2 gpm (7.6 l/min)
Maximum Orifice Size	.014" (.36 mm)	.020" (.508 mm)
Horsepower	50 hp (37.29 kw)	100 hp (74.57 kw)
Hydraulic Reservoir Capacity	80 gal (302.8 l)	80 gal (302.8 l)
Cooling Water Flow	3-5 gpm (11.4-20l/min)	3-5 gpm (11.4-20l/min)
Length	79" (201 cm)	79" (201 cm)
Width	49" (124.5 cm)	49" (124.5 cm)
Height	51" (129.5 cm)	51" (129.5 cm)
Weight	3,500 lb (1588 kg)	4,000 lb (1814 kg)



SMP Pump Features and Benefits:

- 1 & 10 Micron Inlet water filters, and low inlet water pressure safety switch.
- Electronic Pressure Control, allows ease of use and adjustments.
- Electronic shift.
- Hi Temp low oil safety switch

Specifications		
Model Intensifiers	SMP -30	SMP-50
Maximum Operating Pressure	60,000 psi (4150 bar)	60,000 psi (4150 bar)
Flow Rate	0.6 gpm (2.27 l/min)	1 gpm (3.81 l/min)
Maximum Orifice Size	.011" (.28 mm)	.014" (.36 mm)
Horsepower	30 hp (22 kw)	50 hp (37 kw)
Hydraulic Reservoir Capacity	35 gal (132 l)	50 gal (189 l)
Cooling Water Flow	3-5 gpm (11.4-20l/min)	3-5 gpm (11.4-20l/min)
Attenuator Volume	61 cu.in. 1 litre standard	135 cu.in. 2 litre (optional)
Length	47" (119 cm)	51.5" (131 cm)
Width	37" (94 cm)	43" (109 cm)
Height	41" (104 cm)	46.4" (118 cm)
Weight	1500 lbs (680 kg)	1800 lbs (816 kg)

INTENSIFIER ASSEMBLY Short Block



Description	H20JET Part No.	FLOW Part No.
Standard 60,000 psi	H20 301003-1	010558-3
H20 2 pc. Check Valve 60,000 psi	H20 301003-1-3	
Hi-Load 60,000 psi	H20 301003-3	
H20 2 pc. Check Valve 60KPSI Hi-Load	H20 301003-3-3	

H20JET Advantage Intensifier Features

H20JET Advantage Intensifiers are engineered to provide years of reliable service.

Some key innovations which are standard with H20JET Advantage intensifiers include;

- Strain Hardened Cylinders are hardened in this unique hardening process to eliminate “13th thread” failure
- One Piece Ceramic Plungers with a “mirror smooth finish” result in increased seal life.
- Upgraded Check Valve Design results in smoother shifting and reduces pressure drop between strokes.
- Proven Reliability

INTENSIFIER PARTS LEGEND	H20JET Part No.	FLOW Part No.
A - High Pressure Cylinder 60K	100001-1	007038-3
B - Hydraulic Cylinder 60K, 40K	100008-1	C-1000-1
C - Tie Rod	100017-1	
D - End Bell 60K Right	301001-1-R	007303-1
D - End Bell 60K Left	301001-1-L	007303-2
E - Check Valve Assembly 60K	301002-1	010559-3
E - Check Valve Assembly • 2 Piece • 60K	301002-3	010559-3
F - End Cap Assembly	301004-1	321276
G - Quick Disconnect Nipple Assembly	301019-1	
H - Hex Nut, 3/4" (Grade 8)	400004-1	
INTERNAL PARTS (not shown)		
Piston & Plunger Assembly 60K	301005-1	010561-1
Hi-Load Piston & Plunger Assembly 60K	301005-3	



High Pressure Seal Kit	Description	H2OJET Part No.	FLOW Part No.
	60kPSI/4.137 bar	302004-1	001198-1
	40kPSI/2.758 bar	302004-2	001197-1
	A - HP Seal Buttress 60kPSI	100021-1	
	A - HP Seal Buttress 40kPSI	100021-2	
	B - HP Seal 60kPSI	100053-1	
	B - HP Seal 40kPSI	100053-2	
	C - Seal Hoop 60kPSI	100054-1	
	C - Seal Hoop 40kPSI	100054-2	
	D - UHP O-Ring 60kPSI	400042-119-80	
	D - UHP O-Ring 40kPSI	400042-122-80	
E - Food Grade Lube	400034-2		

High Pressure Cylinder	Description	Part No.	
 <p>Strain Hardened for Superior Wear Life</p>	High Pressure Cylinder 60kPSI/4.137 bar	100001-1	007038-3
	High Pressure Cylinder 40kPSI/2.758 bar	100001-2	007038-2
	<ul style="list-style-type: none"> • Strain Hardening Process Significantly increases wear life • Proprietary design eliminates "13th thread" failure 		

End Cap Assembly	Description	H2OJET Part No.	FLOW Part No.
	End Cap Assembly	301004-1	321276-1

Intensifier Upgrade Kit HO	Description	H2OJET Part No.	FLOW Part No.
	Intensifier Upgrade Kit 60kPSI H0 to *FL	302006-1	
	Intensifier Upgrade Kit 40kPSI H0 to *FL	302006-2	

Attenuator Assembly	Description	H2OJET Part No.	FLOW Part No.
	60kPSI/4.137 bar, 2.2 litre	301025-1	043797-2
	See also Page 36 for KMT Attenuators		

Backup Sleeve	Description	H2OJET Part No.	FLOW Part No.
	60kPSI/4.137 bar	100018-1	B1002-2
	40kPSI/2.758 bar	100018-2	B-6313-2

Ceramic Piston Plunger	Description	H2OJET Part No.	FLOW Part No.
 <p><i>High Quality Ceramic for Longer Seal Life</i></p>	60kPSI/4.137 bar	100013-1	010253-1
	40kPSI/2.758 bar	100013-2	013458-1
	• Solid One Piece design eliminates possibility of traditional metal band from separating		

100 - H2OJET AND FLOW STYLE INTENSIFIER - CHECK VALVES

H2OJET PUMPS

H2OJET INTENSIFIERS

HIGH PRESSURE COMPONENTS

CHECK VALVE COMPONENTS

HYDRAULIC SECTION

INTENSIFIER SHIFTING

LOW PRESSURE FILTERS

SPECIALISED TOOLS

Check Valve Assembly Standard	Description	H2OJET Part No.	FLOW Part No.
	60kPSI/4.137 bar	301002-1	010559-3
	40kPSI/2.758 bar	301002-2	010559-2
	60kPSI (2 Piece Poppet)	301002-3	
	40kPSI (2 Piece Poppet)	301002-4	

Check Valve Repair Kit Standard	Description	H2OJET Part No.	FLOW Part No.
	60kPSI & 40kPSI	302003-1	015866-1
	Includes;		
	A - Poppet Seat	100034-1	
	B - Inlet Poppet Housing	301009-1	
	C - Check Valve Spring	400045-1	
	D - Screw, Check Valve Retaining	100056-1	
	E - Check Valve Outlet Poppet	100057-1	
	F - Check Valve Inlet Poppet	100058-1	
G - O-Ring	400043-125		

H2O JET Check Valve Upgrade Version	Description	H2OJET Part No.	FLOW Part No.
 <p>Smoother Shifting</p>	60kPSI & 40kPSI	302040-1	
	Includes;		
	A - Outlet Body, H2OJET Style	100022-2	
	B - Poppet Seat	100034-1	
	C - Retaining Screw Check Valve	100056-1	
	D - Inlet Poppet	100058-1	
	E - Outlet Poppet (H2 , 2pc.)	102007-1	
	F - Outlet Poppet Spring Retainer	102008-1	
	G - Inlet Poppet Housing Assembly	301009-1	
	H - O-Ring Lubricant, food grade	400034-2	
	I - O-Ring (2Pack)	400043-125	
J - Check Valve Spring (H20, 2pc.)	400130-1		

H2O JET Check Valve Repair Kit Upgrade Version	Description	H2OJET Part No.	FLOW Part No.
		302003-2	
	Includes;		
	A - Poppet Seat	100034-1	
	B - Retaining Screw Check Valve	100056-1	
	C - Inlet Poppet	100058-1	
	D - Outlet Poppet Spring Retainer	102008-1	
	E - Outlet Poppet (H2 , 2pc.)	102007-1	
	F - Inlet Poppet Housing Assembly	301009-1	
	G - O-Ring	400043-125	
H - Check Valve Spring (H20, 2pc.)	400130-1		

Poppet Outlet Assembly	Description	H2OJET Part No.	FLOW Part No.
	Poppet Outlet Assembly	301036-1	
	Includes;		
	A - Outlet Poppet Spring Retainer	102008-1	
	B - Check Valve Spring (H20, 2pc.)	400130-1	
C - Check Valve Outlet Poppet	102007-1		

Check Valve Main/Outlet Bodies	Description	H2OJET Part No.	FLOW Part No.
	A - Check Valve Main Body 60kPSI	100009-1	004383-3
	A - Check Valve Main Body 40kPSI	100009-2	004383-2
	B - Check Valve Outlet Body	100022-1	C-1313-1
	C - Check valve Outlet Body, H2OJET	100022-2	



Hi-Load Piston Ring Kit	Description	H20JET Part No.	FLOW Part No.
	Hi-Load Piston Ring Kit	302013-1	

Hydraulic Seal Kit Hi-Load	Description	H20JET Part No.	FLOW Part No.
	60kPSI/4.137 bar	302007-3	
	40kPSI/4.137 bar	302007-5	

Hydraulic Seal Kit	Description	H20JET Part No.	FLOW Part No.
	60kPSI/4.137 bar	302007-1	010641-1
	40kPSI/2.758 bar	302007-2	014314-1
	Ceramic Plungers		

Hydraulic Seal Kit HO	Description	H20JET Part No.	FLOW Part No.
	60kPSI/4.137 bar	302005-1	B-1163-1
	40kPSI/2.758 bar	302005-2	B-1163-2
	Carbide Plungers		

Tie Rod	Description	H20JET Part No.	FLOW Part No.
	Tie Rod - Hydraulic Section (4 required)	100017-1	B-1000-2

102 - H2OJET AND FLOW STYLE INTENSIFIER - HYDRAULIC COMPONENTS

H2OJET PUMPS

H2OJET INTENSIFIERS

HIGH PRESSURE COMPONENTS

CHECK VALVE COMPONENTS

HYDRAULIC SECTION

INTENSIFIER SHIFTING

LOW PRESSURE FILTERS

SPECIALISED TOOLS

End Bell Spacer	Description	H2OJET Part No.	FLOW Part No.
	60kPSI/4.137 bar	100014-1	010276-1
	40kPSI/2.758 bar	100014-2	

End Bell Spacer Ring	Description	H2OJET Part No.	FLOW Part No.
	End Bell Spacer Ring, 60K	100020-1	
	End Bell Bushing 40K	100020-2	

Rod Seal	Description	H2OJET Part No.	FLOW Part No.
	60kPSI/4.137 bar Ceramic Plunger	400050-W-875-2	A-11275
	40kPSI/2.758 bar Ceramic Plunger	400050-W-1062-2	
	60kPSI/4.137 bar Carbide Plunger	400050-875	
	40kPSI/2.758 bar Carbide Plunger	400050-1062	

Rod T-Seal	Description	H2OJET Part No.	FLOW Part No.
	60kPSI/4.137 bar	400051-18	A-00251-18
	40kPSI/2.758 bar	400051-22	A-00251-22

Hydraulic Cylinder	Description	H2OJET Part No.	FLOW Part No.
	60k & 40kPSI	100008-1	C-1000-1

End Bell Assembly	Description	H2OJET Part No.	FLOW Part No.
	60kPSI Left	301001-1-L	007303-2
	60kPSI Right	301001-1-R	007303-1
	40kPSI Left	301001-2-L	007304-2
	40kPSI Right	301001-2-R	007304-1

Snap Ring Internal End Bell	Description	H20JET Part No.	FLOW Part No.
	60kPSI/4.137 bar	400063-112	A-0264-112
	40kPSI/2.758 bar	400063-131	A-0264-131

Piston & Plunger Hi-Load Assembly	Description	H20JET Part No.	FLOW Part No.
 Eliminates "Rocking" and reduces wear on cylinder	High-Load piston with ceramic plungers		
	60kPSI/4.137 bar	301005-3	
	40kPSI/2.758 bar	301005-4	
	<ul style="list-style-type: none"> Teflon wear band reduces friction and improves alignment Superior life compared to old o-ring design Wear bands eliminate tilting and rocking of the piston and reduces wear on the cylinder 		

Hi-Load Piston Assembly	Description	Part No.	
	60kPSI/4.137 bar	301023-1	
	40kPSI/2.758 bar	301023-2	
	Improved product eliminates rocking and wear on cylinder		

Piston & Plunger Assembly	Description	H20JET Part No.	FLOW Part No.
	60kPSI/4.137 bar	301005-1	010561-1
	40kPSI/2.758 bar	301005-2	007202-1

Hydraulic Piston	Description	H20JET Part No.	FLOW Part No.
	60kPSI/4.137 bar	100010-1	007026-1
	40kPSI/2.758 bar	100010-2	007201-1

Plunger Retainer	Description	H20JET Part No.	FLOW Part No.
	60kPSI/4.137 bar	100011-1	007029-1
	40kPSI/2.758 bar	100011-2	007688-1

Snap Ring Internal Plunger Retainer	Description	H20JET Part No.	FLOW Part No.
	Snap Ring Internal, Plunger Retainer	400049-300	A-0270-300

104 - H2OJET AND FLOW STYLE INTENSIFIER - HYDRAULIC BLEED DOWN

H2OJET PUMPS

H2OJET INTENSIFIERS

HIGH PRESSURE COMPONENTS

CHECK VALVE COMPONENTS

HYDRAULIC SECTION

INTENSIFIER SHIFTING

LOW PRESSURE FILTERS

SPECIALISED TOOLS

Bleed Down Valve Repair Kit	Description	H2OJET Part No.	FLOW Part No.
	Hydraulic Auto BD Repair Kit	302008-1	004694-1
	Includes;		
	A - Poppet Landing		
	B - Buttress		
	C - Poppet		
	D - Seal Hoop		
	F - BD Valve Seal, Red UHP		

Hydraulic Auto Bleed Down Valve Assembly	Description	H2OJET Part No.	FLOW Part No.
	Hydraulic Auto Bleed Down Valve Assembly	301013-1	C-5841-1

Hydraulic Valve Assembly	Description	H2OJET Part No.	FLOW Part No.
	(1/2 of Auto Bleed Down Ass.)	301013-2	C-2740-1

Hydraulic Auto Bleed Ass. with Catcher Ass.	Description	H2OJET Part No.	FLOW Part No.
	Hydraulic Auto Bleed Ass. with Catcher Ass.	301028-1	

Hydraulic Bleed Down Catcher	Description	H2OJET Part No.	FLOW Part No.
	Hydraulic Bleed Down Catcher	301015-1	
	Hydraulic Bleed Down Catcher With Water Connection	301015-2	

Catcher Body, Bleed Down Valve	Description	H2OJET Part No.	FLOW Part No.
	Catcher Body, Bleed Down Valve	100087-1	005878-1

Piston, Bleed Down Valve	Description	H20JET Part No.	FLOW Part No.
	Piston, Bleed Down Valve	100130-1	B-8426-1
Piston Insert, Bleed Down Valve	Description	H20JET Part No.	FLOW Part No.
	Piston Insert, Bleed Down Valve	100131-1	B-8428-1
Valve Housing, Bleed Down Valve	Description	H20JET Part No.	FLOW Part No.
	Valve Housing, Hydraulic	100132-1	B-8427-1
Body, Bleed Down Valve	Description	H20JET Part No.	FLOW Part No.
	Body, Bleed Down Valve	100133-1	001822-1
Adaptor, Bleed Down Valve	Description	H20JET Part No.	FLOW Part No.
	Adaptor, Hydraulic	100134-1	B-5975-1
Oil Seal 125 Shaft Dia. SST	Description	H20JET Part No.	FLOW Part No.
	Oil Seal 125 Shaft Dia. SST	400033-1	A-4241
Catcher Assembly SS Plug	Description	H20JET Part No.	FLOW Part No.
	Catcher Assembly SS Plug	400081-6	
Adaptor 3/8" x 1/2" JIC	Description	H20JET Part No.	FLOW Part No.
	Bleed Down Valve Adapter - Water Connection	400008-5	
Carbide Disc - Bleed Down Valve	Description	H20JET Part No.	FLOW Part No.
	Carbide Disc - Bleed Down Valve	400083-1	

H20JET PUMPS

H20JET INTENSIFIERS

HIGH PRESSURE COMPONENTS

CHECK VALVE COMPONENTS

HYDRAULIC SECTION

INTENSIFIER SHIFTING

LOW PRESSURE FILTERS

SPECIALISED TOOLS

106 - H2OJET AND FLOW STYLE INTENSIFIER - HYDRAULIC CONTROL

H2OJET PUMPS

H2OJET INTENSIFIERS

HIGH PRESSURE COMPONENTS

CHECK VALVE COMPONENTS

HYDRAULIC SECTION

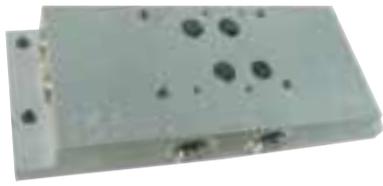
INTENSIFIER SHIFTING

LOW PRESSURE FILTERS

SPECIALISED TOOLS

Heat Exchanger	Description	H2OJET Part No.	FLOW Part No.
	Heat Exchanger 40 Plate Water/Oil 50/100 HP	606045-2	
	Heat Exchanger 20 Plate Water/Oil 30 HP	606045-3	

Manifold Hydraulic Side Mount	Description	H2OJET Part No.	FLOW Part No.
	With Relief Valve	100055-4	013403-1

Manifold Hydraulic Top Mount	Description	H2OJET Part No.	FLOW Part No.
	Manifold Hydraulic Top Mount	100055-2	

Hydraulic Pressure Gauge	Description	H2OJET Part No.	FLOW Part No.
	5000psi Rear Port	606050-5	

Relief Valve, Hydraulic Manifold	Description	H2OJET Part No.	FLOW Part No.
	Hydraulic Manifold Relief Valve Cartridge - Side Mount, Adjustable	400076-1	

Hydraulic Return Filter	Description	H20JET Part No.	FLOW Part No.
	Hydraulic Return Filter	400035-1	A-5480

Oil Filter Element	Description	H20JET Part No.	FLOW Part No.
	20x	400041-1	A-9081

Oil Filter Element	Description	H20JET Part No.	FLOW Part No.
	20 micron 6" (50HP)	606199-20	
	20 micron 9" (100HP)	606199-20-9	

Oil Filter Element	Description	H20JET Part No.	FLOW Part No.
	10 micron 9"	606210-9-F	

108 - H20JET AND FLOW STYLE INTENSIFIER SHIFTING

H20JET PUMPS

H20JET INTENSIFIERS

HIGH PRESSURE COMPONENTS

CHECK VALVE COMPONENTS

HYDRAULIC SECTION

INTENSIFIER SHIFTING

LOW PRESSURE FILTERS

SPECIALISED TOOLS

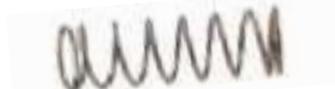
Cable Guide Assembly	Description	H20JET Part No.	FLOW Part No.
	Left Side Mount	301011-1-L	C-5462-1
	Right Side Mount	301011-1-R	C-5461-1
	Left Top Mount	301011-2-L	C-1339-1
	Right Top Mount	301011-2-R	C-1331-1

Mechanical Shift Plunger	Description	H20JET Part No.	FLOW Part No.
	Mechanical Shift Plunger	100019-1	B-1007-1

Cable Guide Split Pin	Description	H20JET Part No.	FLOW Part No.
	Cable Guide Split Pin	100007-1	B-1611-1

Cable Guide Plunger Spring, Mechanical	Description	H20JET Part No.	FLOW Part No.
	External	400053-1	A-1012
	Internal	400056-1	A-1713

Firing Pin	Description	H20JET Part No.	FLOW Part No.
	Mechanical	100051-1	002226-1
	Electronic	100051-2	B-1702-1

Spring, Larger - Shift sensor	Description	H20JET Part No.	FLOW Part No.
	Spring, Larger - Shift sensor	400115-1	

Electronic Shift Sensor Assembly	Description	H20JET Part No.	FLOW Part No.
	Complete Shift Sensor Assembly	301011-3	B-83451
	Actuator Assembly With Springs	301011-3-A	B-83461
	Shift Sensor Housing & Cable Assembly, Shift Sensor	301011-3-S	011275-1

Mechanical Pilot Shift & Main Valve Assembly	Description	H20JET Part No.	FLOW Part No.
	Mechanical Pilot Shift & Main Valve Assembly	301018-1	A-11215

Electric Pilot Shift & Main Valve Assembly	Description	H20JET Part No.	FLOW Part No.
	Electric Pilot Shift & Main Valve Assembly	301018-2	A-18862

Pilot Valve, Electrical Shift	Description	H20JET Part No.	FLOW Part No.
	Pilot Valve, Electrical Shift	400054-1	A-10544

Pilot Valve, Mechanical Shift	Description	H20JET Part No.	FLOW Part No.
	Pilot Valve, Mechanical Shift	400054-2	006869-1

Main Shift Valve, Mechanical Shift	Description	H20JET Part No.	FLOW Part No.
	Main Shift Valve, Mechanical Shift	400055-1	C-2743-1

Seal Kit, Rexroth Shift Valve, (Main & Pilot, Electronic)	Description	H20JET Part No.	FLOW Part No.
	Seal Kit, Rexroth Shift Valve, (Main & Pilot, Electronic)	400128-2	

110 - H2OJET AND FLOW STYLE INTENSIFIER - WATER FILTERS

H2OJET PUMPS

H2OJET INTENSIFIERS

HIGH PRESSURE COMPONENTS

CHECK VALVE COMPONENTS

HYDRAULIC SECTION

INTENSIFIER SHIFTING

LOW PRESSURE FILTERS

SPECIALISED TOOLS

Filter Housing 10 & 20"	Description	Part No.
	10" Grey Bowl - Standard 3/4" Inlet/Outlet	400023FH10

Filter Housing 10" - Stainless Steel	Description	Part No.
	10" Stainless Bowl - Standard 3/4" Inlet/Outlet 142PSI Rated	400023FH10-SS

Filter Cartridge Standard - 20"	Description	Part No.
	20" x 0.5 mic	400023-20-05
	20" x 1 mic	400023-20-1
	20" x 10 mic	400023-20-10

Filter Cartridge Standard - 10"	Description	Part No.
	10" x 0.5 mic	400023-1-05
	10" x 1 mic	400023-1-1
	10" x 5 mic	400023-1-5
	10" x 10 mic	400023-1-10
	10" x 40 mic	1010 0782

Filter Cartridge Pleated - 10 & 20"	Description	KMT Part No.
	10" x 1 mic	400023-1-1P
	10" x 10 mic	400023-1-10P
	20" x 1 mic	400023-20-1P
	20" x 10 mic	400023-20-10P

Filter Cartridge, Flat Cap Style - 10"	Description	KMT Part No.
	10" x 1 mic	400023-1-1S
	10" x 10 mic	400023-1-10S

Filter Cartridge, Advantage	Description	KMT Part No.
	Filter Cartridge, 1 mic., Advantage	400023-1-1S
	Filter Cartridge, 10 mic., Advantage	400023-1-10S

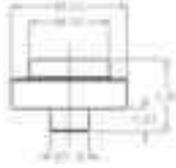
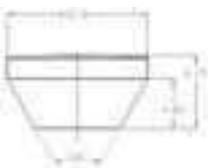
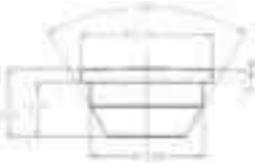
H2OJET CUTTING HEADS



112 - FLOW STYLE CUTTING HEAD NOZZLES & ORIFICES

Abrasive Nozzles to suit Flow style & H2OJET IDE cutting heads	Description	Part No.
	76mm Long x 0.50mm ID Roctec 100	FTFS050762-100
	76mm Long x 0.76mm ID Roctec 100	FTFS076762-100
	76mm Long x 0.76mm ID Break-Away Tip Roctec 100	FTFS076762-100-B
	76mm Long x 0.76mm ID Roctec 500	FTFS076762-500
	76mm Long x 0.76mm ID Silverline	FTFS076762-S
	76mm Long x 1.02mm ID Roctec 100	FTFS102762-100
	76mm Long x 1.02mm ID Break-Away Tip Roctec 100	FTFS102762-100-B
	76mm Long x 1.02mm ID Roctec 500	FTFS102762-500
	76mm Long x 1.02mm ID Silverline	FTFS102762-S
	76mm Long x 1.27mm ID Roctec 100	FTFS127762-100
	76mm Long x 1.78mm ID Roctec 100	FTFS178762-100
	102mm Long x 0.76mm ID Roctec 100	FTFS076102-100
	102mm Long x 1.02mm ID Roctec 100	FTFS102102-100

H2OJET Orifice Assemblies	Standard Diamond	Standard Sapphire	LM-II-L Diamond	LM-II-L Sapphire
				
.004"/0.10 mm	201101-04	202101-04	201201-04	202201-04
.005"/0.12 mm	201101-05	202101-05	201201-05	202201-05
.006"/0.15 mm	201101-06	202101-06	201201-06	202201-06
.007"/0.17 mm	201101-07	202101-07	201201-07	202201-07
.008"/0.20 mm	201101-08	202101-08	201201-08	202201-08
.009"/0.23 mm	201101-09	202101-09	201201-09	202201-09
.010"/0.25 mm	201101-10	202101-10	201201-10	202201-10
.011"/0.28 mm	201101-11	202101-11	201201-11	202201-11
.012"/0.30 mm	201101-12	202101-12	201201-12	202201-12
.013"/0.33 mm	201101-13	202101-13	201201-13	202201-13
.014"/0.35 mm	201101-14	202101-14	201201-14	202201-14
.015"/0.38 mm	201101-15	202101-15	201201-15	202201-15
.016"/0.40 mm	201101-16	202101-16	201201-16	202201-16
.017"/0.43mm	201101-17	202101-17	201201-17	202201-17
.018"/0.45mm	201101-18	202101-18	201201-18	202201-18

H20JET Orifice Assemblies	P - II Diamond	P - II Sapphire	P - III Diamond	P - III Sapphire	P - V Diamond	P - V Sapphire
						
						
.004"/0.10 mm	201601-04	202601-04	201501-04	203501-04	201940-04	203940-04
.005"/0.12 mm	201601-05	202601-05	201501-05	203501-05	201940-05	203940-05
.006"/0.15 mm	201601-06	202601-06	201501-06	203501-06	201940-06	203940-06
.007"/0.17 mm	201601-07	202601-07	201501-07	203501-07	201940-07	203940-07
.008"/0.20 mm	201601-08	202601-08	201501-08	203501-08	201940-08	203940-08
.009"/0.23 mm	201601-09	202601-09	201501-09	203501-09	201940-09	203940-09
.010"/0.25 mm	201601-10	202601-10	201501-10	203501-10	201940-10	203940-10
.011"/0.28 mm	201601-11	202601-11	201501-11	203501-11	201940-11	203940-11
.012"/0.30 mm	201601-12	202601-12	201501-12	203501-12	201940-12	203940-12
.013"/0.33 mm	201601-13	202601-13	201501-13	203501-13	201940-13	203940-13
.014"/0.35 mm	201601-14	202601-14	201501-14	203501-14	201940-14	203940-14
.015"/0.38 mm	201601-15	202601-15	201501-15	203501-15	201940-15	203940-15
.016"/0.40 mm	201601-16	202601-16	201501-16	203501-16	201940-16	203940-16
.017"/0.43 mm	201601-17	202601-17	201501-17	203501-17	201940-17	203940-17
.018"/0.45 mm	201601-18	202601-18	201501-18	203501-18	201940-18	203940-18

H20JET Orifice Assemblies	Integral Diamond Nozzle Nut (IDNN)	LS - I Diamond	LS - I Sapphire	LS - II Diamond	LS - II Sapphire
					
.004"/0.10 mm	201204-04	201401-04	202401-04	201402-04	202402-04
.005"/0.12 mm	201204-05	201401-05	202401-05	201402-05	202402-05
.006"/0.15 mm	201204-06	201401-06	202401-06	201402-06	202402-06
.007"/0.17 mm	201204-07	201401-07	202401-07	201402-07	202402-07
.008"/0.20 mm	201204-08	201401-08	202401-08	201402-08	202402-08
.009"/0.23 mm	201204-09	201401-09	202401-09	201402-09	202402-09
.010"/0.25 mm	201204-10	201401-10	202401-10	201402-10	202402-10
.011"/0.28 mm	201204-11	201401-11	202401-11	201402-11	202402-11
.012"/0.30 mm	201204-12	201401-12	202401-12	201402-12	202402-12
.013"/0.33 mm	201204-13	201401-13	202401-13	201402-13	202402-13
.014"/0.35 mm	201204-14	201401-14	202401-14	201402-14	202402-14
.015"/0.38 mm	201204-15	201401-15	202401-15	201402-15	202402-15
.016"/0.40 mm	201204-16	201401-16	202401-16	201402-16	202402-16
.017"/0.43mm	201204-17	201401-17	202401-17	201402-17	202402-17
.018"/0.45mm	201204-18	201401-18	202401-18	201402-18	202402-18

ORIFICES

IDE III CUTTING HEAD

IDE PARTS

ADAPTORS

ON/OFF VALVE COMPONENTS

WATER ONLY NOZZLE NUTS

NOZZLE TUBES

114 - H2OJET IDE III CUTTING HEADS & COMPONENTS

NOZZLES & ORIFICES

IDE III
CUTTING HEAD

IDE PARTS

ADAPTORS

AIR ACTUATORS &
ON/OFF VALVES

REPAIR KITS

NOZZLE TUBES

"The Integral" Diamond Eductor Cutting Head w/SSF	Description	Part No.
	Single Port .281"ID IDE™III	
	.007"/0.17 mm	301329-1-07
	.010"/0.25 mm	301329-1-10
	.011"/0.28 mm	301329-1-11
	.012"/0.30 mm	301329-1-12
	.013"/0.33 mm	301329-1-13
	.014"/0.35 mm	301329-1-14
	.015"/0.38mm	301329-1-15
	.016"/0.40mm	301329-1-16
	.017"/0.43mm	301329-1-17
	.018"/0.45mm	301329-1-18
Additional sizes available on request. Abrasive nozzle not included.		

"The Integral" Diamond Eductor Cutting Head w/SSF	Description	Part No.
	Dual Port .281"ID IDE™III Cutting Head	
	.007"/0.17 mm	301329-2-07
	.010"/0.25 mm	301329-2-10
	.011"/0.28 mm	301329-2-11
	.012"/0.30 mm	301329-2-12
	.013"/0.33 mm	301329-2-13
	.014"/0.35 mm	301329-2-14
	.015"/0.38mm	301329-2-15
	.016"/0.40mm	301329-2-16
	.017"/0.43mm	301329-2-17
	.018"/0.45mm	301329-2-18
Additional sizes available on request. Abrasive nozzle not included.		

"The Integral" Diamond Eductor Cutting Head 94K	Description	Part No.
	Dual Port .281"ID IDE™II, 94K	
	.010"/0.25 mm	391130-1-10
	.011"/0.28 mm	391130-1-11
	.012"/0.30 mm	391130-1-12
	.013"/0.33 mm	391130-1-13
	.014"/0.35 mm	391130-1-14
	.015"/0.38 mm	391130-1-15
Additional sizes available on request. Abrasive nozzle not included.		

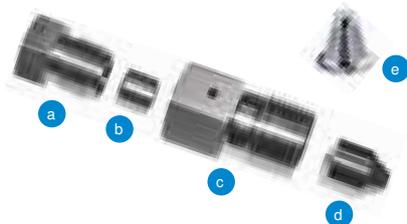
Abrasive Inlet Tube Assembly	Description	Part No.
	Abrasive Inlet Tube Assembly	391035-1



IDE™III Retaining Collet .281"ID	Description	Part No.
	IDE™II Retaining Collet .281"ID	100171-281

IDE™III Clamp Nut	Description	Part No.
	IDE™II Clamp Nut	100172-1

H20JET IDE Cutting Head Adapters	Description	Part No.
	A - Dynamic Contour Follower, FL	100167-2
	B - Maxjet 5 to IDE Adapter (Non Tilt-A-Jet)	301200-2
	Maxjet 4 to IDE Adapter	301033-1
	Adaptor Insert - Maxjet	100221-2
	C - KMT to IDE Adapter	301034-1
	D - Nozzle Body Adapter - IDE to Water Nozzle	100211-1
	Maxjet 5 to IDE Adaptor (Tilt-A-Jet Only)	301200-1

Short Stop Filter Assembly 60K	Description	Part No.
	Short Stop Filter Assembly 3/8 M x 1/4 F	301026-3
	(a) Gland Nut 1/4"	400005-1
	(b) Collar 1/4"	400006-1
	(c) Short Stop Filter Body	100157-2
	(d) Adapter Insert	100192-1
	(e) Short Stop Filter .006	400096-1

Short Stop Filter Assembly 60K	Description	Part No.
	Short Stop Filter Assembly 60K, 1/4" F x 1/4" M	301026-5

Short Stop Filter Assembly 94K	Description	Part No.
	Short Stop Filter Assembly 94K, 1/4" F x 1/4" M	391026-3

116 - H2OJET CUTTING HEAD VALVE ACTUATORS

NOZZLES & ORIFICES

IDE II CUTTING HEAD

IDE PARTS

ADAPTORS

AIR ACTUATORS & ON/OFF VALVES

REPAIR KITS

NOZZLE TUBES



On/Off Valve Assembly with;		On/Off Valve Assembly with;		On/Off Valve Assembly with;	
H2OJET Part No.	FLOW Part No.	H2OJET Part No.	FLOW Part No.	H2OJET Part No.	FLOW Part No.
P-III Nozzle Body 301007-3	010103-1	Adjustable P-III Nozzle Body 301007-9		Hi-Performance Nozzle Body 301007-1	
w/ Extended Nozzle Body 301007-3-X				w/ SR Nozzle Body 301007-1-SR	

Hi-Performance Actuator	Description	H2OJET Part No.	FLOW Part No.
	Normally Closed	301006-1	001323-1
	Normally Open	301006-2	

Ultra II Actuator	Description	H2OJET Part No.	FLOW Part No.
	Normally Closed	301006-4	003840-1
	Normally Open	301006-5	

Hi-Performance Valve Body	Description	H2OJET Part No.	FLOW Part No.
	Valve Body - Hi-Performance	100048-1	
	Valve Body - Legacy Threaded	100048-2	006143-1

Ultra II Valve Body	Description	H2OJET Part No.	FLOW Part No.
	Valve Body - Ultra II	100048-3	010104-1

On\Off Valve Seal Retainer Inserts	Description	H2OJET Part No.	FLOW Part No.
	A- High Performance	301008-1	
	B- Ultra II	301008-2	004096-1

Breather Vent, Air Actuator	Description	H2OJET Part No.	FLOW Part No.
	Breather Vent, Air Actuator	400066-1	A-0857-1

HP Collar Round	Description	H2OJET Part No.	FLOW Part No.
	HP Collar Round	100040-2	B-5078-1

HP Collar Block	Description	H2OJET Part No.	FLOW Part No.
	HP Collar Block	100040-1	006144-1

NOZZLES & ORIFICES

IDE II CUTTING HEAD

IDE PARTS

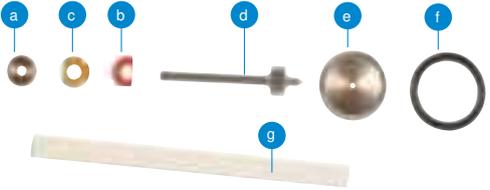
ADAPTORS

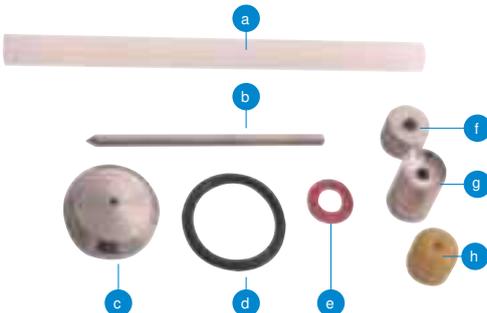
ON/OFF VALVE COMPONENTS

WATER ONLY NOZZLE NUTS

NOZZLE TUBES

118 - H2OJET CUTTING HEAD VALVE COMPONENTS

On/Off Valve Repair Kit	Description	H2OJET Part No.	FLOW Part No.
	Repair Kit	302001-1	001959-1
	A- Seal Buttress		
	B- Seal O-Ring*		
	C- Poppet Seal		
	D- Poppet*		
	E- Poppet Landing*		
	F- O-Ring*		
	G- Seal Ejection Tool*		
*Parts not available separately			

On/Off Valve Repair Kit Ultra II	Description	H2OJET Part No.	FLOW Part No.
	Repair Kit	302001-2	010200-1
	A- Seal Ejection Tool*		
	B- Poppet		
	C- Poppet Landing*		
	D- Landing O-Ring*		
	E- O-Ring*		
	F- Poppet Guide		
	G- Buttress		
	H- Poppet Seal		
*Parts not available separately			

Air Actuator Repair Kit - Hi Performance and Ultra II	Description	H2OJET Part No.	Flow Part No.
	Repair Kit	302017-1	
	A- O-Ring Lubricant		
	B- O-Ring, Air Actuator Assy.		
	C- O-Ring		
	D- Quad O-Ring Air Actuator	400043-4-202	
	E- Spring Hi-Performance		
	F- Breather Vent 1/8 NPT M		
	G- U-CAP EF Coated		
*Parts not available separately			

Valve Body 94k, Mini On/Off Valve	Description	Part No.
	Mini Valve Repair Kit 94k, On/Off Valve (014988-1)	392001-1

<p>P-III Nozzle Nut</p> 	<p>Description</p> <p>P-III Nozzle Nut</p>	<p>H20JET Part No.</p> <p>100036-1</p>	<p>FLOW Part No.</p> <p>B-2861-1</p>
<p>Hi-Performance Nut</p> 	<p>Description</p> <p>Water Only Nozzle Nut</p>	<p>H20JET Part No.</p> <p>100038-1</p>	<p>FLOW Part No.</p> <p>B-5330-1</p>
<p>Low Mass Nozzle Nut</p> 	<p>Description</p> <p>Low Mass Nozzle Nut</p>	<p>H20JET Part No.</p> <p>100039-1</p>	<p>FLOW Part No.</p> <p>006146-1</p>
<p>Nozzle Body Upgrade LM to H20 Hi Performance</p> 	<p>Description</p> <p>Low Mass to H20 Jet Nozzle body upgrade kit.</p>	<p>H20JET Part No.</p> <p>302009-1</p>	<p>FLOW Part No.</p>
<p>Adjustable P-III Nozzle Body</p> 	<p>Description</p> <p>Allows cutting head to be orientated with abrasive feed tube in optimum position</p>	<p>H20JET Part No.</p> <p>301099-1</p>	<p>FLOW Part No.</p>
<p>P-III Nozzle Body Hi-Velocity</p> 	<p>Description</p> <p>Standard</p> <p>Extended</p>	<p>H20JET Part No.</p> <p>100026-3</p> <p>100026-4</p>	<p>FLOW Part No.</p> <p>001195-1</p>
<p>Hi-Performance Water Only</p> 	<p>Description</p> <p>Water Only Nozzle Body</p>	<p>H20JET Part No.</p> <p>100037-1</p>	<p>FLOW Part No.</p>
<p>Low Mass Water Only</p> 	<p>Description</p> <p>Water Only Nozzle Body</p>	<p>H20JET Part No.</p> <p>100046-1</p>	<p>FLOW Part No.</p> <p>006145-1</p>

NOZZLES & ORIFICES

IDE II CUTTING HEAD

MINI ON/OFF VALVE

IDE PARTS

ON/OFF VALVE COMPONENTS

WATER ONLY NOZZLE NUTS

NOZZLE TUBES

120 - H2OJET AND FLOW STYLE SERVICE TOOLS

H2OJET PUMPS

H2OJET INTENSIFIERS

HIGH PRESSURE COMPONENTS

CHECK VALVE COMPONENTS

HYDRAULIC SECTION

INTENSIFIER SHIFTING

LOW PRESSURE FILTERS

SPECIALISED TOOLS

HP Cylinder Wrench	Description	Part No.
	Undo high pressure cylinder without creating jaw marks on the outside of the HP cylinder. Damage to cylinder creates stress points which can cause premature failure of the cylinder.	301027-1
HP Valve Tool Kit	Description	Part No.
	HP Valve Tool Kit	302016-1
	Includes;	
	HP Valve Seal Extraction Tool	100187-E
	HP Valve Seal Insertion Tool	100187-IN
Swivel Seal Installation & Removal Tool	Description	Part No.
	Swivel Seal Installation and Removal Tool	100186-1
Shift Pin Tool, Install & Remove	Description	Part No.
	For Installing and Removing the Shift Pin in the End Bell	301038-1
HP Seal Installation Tool Kit (4 Pieces)	Description	Part No.
	60kPSI/4.137 bar	302015-1
	40kPSI/2.758 bar	302015-2
Intensifier End Cap Torque Tool	Description	Part No.
	Enables end caps to be tightened to the correct torque setting when a torque wrench is used.	301041-1

Spanner Wrench, Intensifier End Cap	Description	Part No.
	2-1/4"	400025-1
Lapping Kit, Block & 5 pcs.	Description	Part No.
	Lapping Kit, Block & 5 pcs	302014-1
Intensifier Assembly Bench	Description	Part No.
	Provides a secure mount for over hauling intensifier short blocks. (Assembly bench to be secured to bench)	301037-1
Pump Service Tool Kit	Description	Part No.
	60kPSI/4.137 bar	302018-1
	40kPSI/2.758 bar	302018-2

H20JET PUMPS

H20JET INTENSIFIERS

HIGH PRESSURE COMPONENTS

CHECK VALVE COMPONENTS

HYDRAULIC SECTION

INTENSIFIER SHIFTING

LOW PRESSURE FILTERS

SPECIALISED TOOLS

122 - H2OJET ABRASIVE HOPPER PARTS

H2OJET PUMPS

H2OJET INTENSIFIERS

HIGH PRESSURE COMPONENTS

CHECK VALVE COMPONENTS

HYDRAULIC SECTION

INTENSIFIER SHIFTING

LOW PRESSURE FILTERS

SPECIALISED TOOLS

Abrasive Mini Hopper	Description	Part No.
	Abrasive Mini Hopper	700004-2

Rubber Bumper	Description	Part No.
	Rubber Bumper, Abrasive	400094-1

Metering Disk	Description	Part No.
	Abrasive Metering Disk X denotes ID	100252-7-X

BFT PARTS



Contents

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**Intensifier
Seals**

**High
Pressure
Components**

**Suction &
Pressure
Components**

**Hydraulic
Components**

**HP Tubing
& Release
Valve Parts**

**HP Plumbing
Fittings &
Filters**

**Specialised
Tools &
Accessories**

**Cutting
Heads**



124 - BFT INTENSIFIER SEALS

INTENSIFIER
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Servotron Sealing Set	Description	Part No.	Replaces
	Sealing Set (Servotron)	1100045	HT022070/220

Ecotron Sealing Set	Description	Part No.	Replaces
	Sealing set (Ecotron / Hytron)	1100144	CP022100/220

Cup Spring	Description	Part No.	Replaces
	Cup Spring (Servotron)	1200660	HT022026/255

Bearing Bush	Description	Part No.	Replaces
	Bearing Bush (Ecotron)	5100143	CP022010/527
	Bearing Bush (Servotron)	5102235	HT022027/527

Sealing Ring	Description	Part No.	Replaces
	Sealing Ring (Ecotron & Servotron)	4101453	CP022011/150

Quadring	Description	Part No.	Replaces
	Quadring (Ecotron & Servotron)	4100028	9704521/220

Back Ring	Description	Part No.	Replaces
	Back Ring, Sealing Set (Ecotron & Servotron)	5102059	CP022012/780

Plunger	Description	Part No.	Replaces
	Plunger, Complete (Ecotron & Servotron)	1100090	CP022066/220

Distance Bushing	Description	Part No.	Replaces
	Distance Bushing (Ecotron & Servotron)	1200395	CP022013/014

Split Ring	Description	Part No.	Replaces
	Split Ring	5100131	CP022022/591
	(2 parts - Ecotron & Servotron)		

HP Cylinder	Description	Part No.	Replaces
	HP Cylinder (Ecotron)	5102238	CP022009/779
	HP Cylinder (Servotron)	5100103	HT022040/779
	HP Cylinder	1206861	HT02240/018

Flange	Description	Part No.	Replaces
	Flange, Cyl. - Valve Body (Servotron)	5100011	HT022006/563
	Flange, HP Cylinder (Ecotron & Servotron)	5100097	CP022018/563
	Flange, Valve Body (Ecotron & Servotron)	5100104	CP022039/563
	Flange, Cyl. - Valve Body (Ecotron)	5100146	CP022019/563

Accumulator	Description	Part No.	Replaces
	Accumulator PD, 1.60 ltr (Ecotron)	1200662	PD-081-0001
	Accumulator PD, 2.49 ltr (Servotron)	1100019	PD-113010/720

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Thread Ring	Description	Part No.	Replaces
	Thread Ring, Accumulator	5102121	PD056007/311
	(Ecotron & Servotron)		
Plug	Description	Part No.	Replaces
	Plug, Accumulator	5100154	PD056004/721
	(Ecotron & Servotron)		
Seal	Description	Part No.	Replaces
	Sealing Ring, Accumulator	4100707	PD120005/271
	(Ecotron & Servotron)		
Back Ring Outside & Inside	Description	Part No.	Replaces
	Back Ring Outside, Accumulator	5102104	PD120006/088
	Back Ring Inside, Accumulator	5102017	PD120007/088
	(Ecotron & Servotron)		
Thrust Bushing	Description	Part No.	Replaces
	Thrust Bushing, Accumulator	5100101	PD056005/721
	(Ecotron & Servotron)		
Safety Nut	Description	Part No.	Replaces
	Safety Nut, Accumulator	5102246	PD056006/270
	(Ecotron & Servotron)		
Thrust Washer	Description	Part No.	Replaces
	Thrust Washer, Accumulator	4102034	PD120012/160
Set Screw	Description	Part No.	Replaces
	Set Screw PD, Accumulator	4101286	G01M5x6/127
	(Ecotron & Servotron)		

Pressure & Suction Repair Kit	Description	Part No.	Replaces
	Pressure & Suction Repair Kit, CP022 (Ecotron / Hytron)	1201301	
	Pressure & Suction Repair Kit, HT022 (Servotron)	1201302	

Suction Valve	Description	Part No.	Replaces
	Suction Valve, Complete Assembly (Ecotron & Servotron)	1100020	CP022109/844

Pressure Valve	Description	Part No.	Replaces
	Pressure Valve, Complete Assembly (Ecotron & Servotron)	1100039	CP022047/844

Safety Bolt	Description	Part No.	Replaces
	Safety Bolt	4100256	CP020052/220

Ball	Description	Part No.	Replaces
	Ball	4101362	K016/660
	Ball	4100248	34203002/220

Valve Insert	Description	Part No.	Replaces
	Valve Insert (Ecotron & Servotron)	4201605	CP022045/775
	Valve Insert	5102089	CP020023/593
	Valve Insert	5102228	CP020064/593

Pressure Valve Spring	Description	Part No.	Replaces
	Spring, Pressure Valve	4100956	XF97/220

Lenze	Description	Part No.	Replaces
	Lenze (Ecotron & Servotron)	5102006	CP022042/593
	Lenze	5102204	CP020073/593
	Lenze	5102273	CP020072/593

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Valve Seat	Description	Part No.	Replaces
	Valve Seat	5102173	CP022046/593

Union Suction Side	Description	Part No.	Replaces
	Union Suction Side	5102084	CP022043/844
	(Replaces CP022043/153)		

Union Pressure Side	Description	Part No.	Replaces
	Union Pressure Side	5102085	CP022044/844
	(Replaces CP022044/153)		

Valve Body	Description	Part No.	Replaces
	Valve Body (Servotron)	5102132	HT022033/591
	Valve Body (Ecotron)	5102206	CP022040/591

Back Ring	Description	Part No.	Replaces
	Back Ring, Valve Body (Ecotron)	5100113	CP022015/527
	Back Ring, Valve Body (Hytron)	5200591	CP022015/527
	Back Ring, Valve Body (Servotron)	5102040	HT022032/527

Cylinder	Description	Part No.	Replaces
	Cylinder (Ecotron & Servotron)	1200066	HT022022/172

Connection Flange	Description	Part No.	Replaces
	Connection Flange (Right hand - Servotron)	5100012	HT022008/172
	Connection Flange (Left hand - Servotron)	5100117	HT022009/172
	(Ecotron & Servotron)		

Back Ring	Description	Part No.	Replaces
	O-Ring Back Ring, Oil, Connection Flange	4100825	034858/220
	(Ecotron & Servotron)		

Rod Wear Ring	Description	Part No.	Replaces
	Rod Wear Ring, Connection Flange	4100498	XF29/220
	Rod Wear Ring, Valve Body	4100623	XF35/220
	(Ecotron & Servotron)		

Rod Sealing	Description	Part No.	Replaces
	Rod Sealing, Oil, Connection Flange	4101405	XST17/220
	(Ecotron & Servotron)		

Thread Ring	Description	Part No.	Replaces
	Thread Ring, Connection Flange	5100147	CP022021/593
	(Ecotron & Servotron)		

Piston Complete	Description	Part No.	Replaces
	Hydraulic Piston Complete	1200402	
	(Ecotron & Servotron)		

130 - BFT HYDRAULIC COMPONENTS

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Piston Sealing	Description	Part No.	Replaces
	Piston Sealing, Hydraulic Piston	4100502	XK121/220
	(Ecotron & Servotron)		

Guide Ring	Description	Part No.	Replaces
	Guide Ring, Hydraulic Piston	4100931	XF56/220
	(Ecotron & Servotron)		

Retaining Ring	Description	Part No.	Replaces
	Retaining Ring, Hydraulic Piston	1200568	
	(Ecotron & Servotron)		

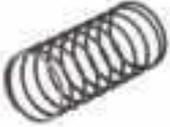
Clamp Ring	Description	Part No.	Replaces
	Clamp Ring, Hydraulic Piston	5100169	CP022057/075
	(Ecotron & Servotron)		

Initiator	Description	Part No.	Replaces
	Initiator, Shift Sensor	4101376	XN5/220
	O-Ring, 5.3 x 2.4mm		OR0053024/151
	(Ecotron & Servotron)		

Snap Ring	Description	Part No.	Replaces
	Snap Ring, Shift Sensor	4101571	S24B20/103
	(Ecotron & Servotron)		

Piston	Description	Part No.	Replaces
	Piston, Shift Sensor	5102234	HT022004/473
	(Ecotron & Servotron)		

Guiding	Description	Part No.	Replaces
	Guiding, Shift Sensor	5100129	
	(Ecotron & Servotron)		

Helical Spring	Description	Part No.	Replaces
	Spring, Piston	4100064	CP020033/255
	Spring, Guiding	4100794	CP020034/255
	(Ecotron & Servotron)		

O-Ring	Description	Part No.	
	O-Ring 75.92 x 1.78	4100705	OR0759017/151
	O-Ring 80.0 x 4.0	4204143	OR0800040/151
	O-Ring 7.5 x 2.0	4204289	OR0070020/151
	O-Ring 53.0 x 2.0	4204292	OR0530020/151

Oil Filter Element	Description	Part No.	Replaces
	Oil Filter Element - 10um	4101251	XF136/220
	(Ecotron & Servotron)		

132 - BFT HIGH PRESSURE TUBES - SERVOTRON

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HP Tube, Intensifier Left Side	Description	Part No.	Replaces
	HP Tube 0.38", Intensifier Left Side	2201226	VR-105-0031

HP Tube, Intensifier Right Side	Description	Part No.	Replaces
	HP Tube 0.38", Intensifier Right Side	2100088	VR105008/320

HP Tube, Intensifier to Attenuator Upper	Description	Part No.	Replaces
	HP Tube 0.38", Intensifier to Attenuator	2100085	WR105007/320

HP Tube, Intensifier to Attenuator Lower	Description	Part No.	Replaces
	HP Tube 0.38", Intensifier to Attenuator	2100086	VR100343/320

HP Tube, Attenuator Outlet to Drain	Description	Part No.	Replaces
	HP Tube 0.38", Attenuator Outlet	2100079	VR105010/320

HP Tube, Release Valve to Transducer	Description	Part No.	Replaces
	HP Tube Nipple 0.38 x 0.25", Pressure Transducer		VR100043/320

HP Gasket	Description	Part No.	Replaces
	HP Gasket	4100577	WJ070009/150

O-Ring	Description	Part No.	Replaces
	O-Ring 4.3 x 2.4	4100175	OR0043024/151

Valve Stem	Description	Part No.	Replaces
	Valve Stem	5102181	WJ070005/551

Seat, Release Valve	Description	Part No.	Replaces
	Valve Seat, Release Valve	5102179	WJ055003/168

Bushing	Description	Part No.	Replaces
	Bushing Release Valve	5100134	WJ055010/256

Guiding Bush	Description	Part No.	Replaces
	Guiding Bush	5102242	WJ055023/527

Release Valve	Description	Part No.	Replaces
	Release Valve, Complete (Dump Valve)	1100158	WJ055020/591

Valve Body	Description	Part No.	Replaces
	Valve Body	5102107	WJ055013/591

134 - BFT ECOTRON & SERVOTRON - RELEASE VALVE COMPONENTS

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HP Connection	Description	Part No.	Replaces
	HP Connection	5200004	

Connection Ring	Description	Part No.	Replaces
	Connection Ring	5100034	WJ055009/025

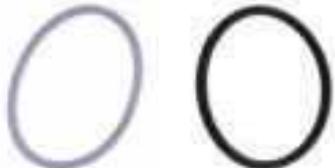
Pneumatic Actuator WJ070	Description	Part No.	Replaces
	Pneumatic Actuator WJ070, 4 x 1.8"	1200679	WJ070271/338

Cylinder	Description	Part No.	Replaces
	Cylinder	5100133	WJ055004/230

Lower Body	Description	Part No.	Replaces
	Lower Body	5100079	WJ055005/249

Cover	Description	Part No.	Replaces
	Cover	5100047	WJ055006/249

Piston	Description	Part No.	Replaces
	Piston	5102241	

Piston Seal	Description	Part No.	Replaces
	O-Ring 49.0 x 3.0	4100444	OR0490030/151
	Back Ring	4100507	XS92/089

Retaining Ring	Description	Part No.	Replaces
	Retaining Ring	4100155	S0356x2/426

Cup Spring, Release Valve	Description	Part No.	Replaces
	Cup Spring, 31.5 x 16.3 x 0.8mm	4100970	315163080/255

Collet	Description	Part No.	Replaces
	Collet	4100965	WJ070028/256

Adjusting Nut	Description	Part No.	Replaces
	Adjusting Nut	4100147	WJ070027/133

Jet Catcher Manifold	Description	Part No.	Replaces
	Jet Catcher Manifold	4101339	WJ055025/005

Impact Plate	Description	Part No.	Replaces
	Impact Plate	4101220	WJ055017/220

O-Ring	Description	Part No.	Replaces
	O-Ring 12.0 x 3.0mm	4100442	OR0120030/151

Screw Plug	Description	Part No.	Replaces
	Screw plug	4101418	VSTIM2015/220

136 - BFT PARTS: HIGH PRESSURE PLUMBING FITTINGS

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HP Gland Nut	Description	Part No.	Replaces
	Gland Nut 0.38"	4100868	VDS095405/256

HP Collar	Description	Part No.	Replaces
	HP Collar 0.38"	4100301	VDR095405/261

HP Gland Nut, Anti-Vibration	Description	Part No.	Replaces
	Gland Nut 0.25", Anti-Vibration	4101412	
	Gland Nut 0.38", Anti-Vibration		
	Gland Nut 0.56", Anti-Vibration	4100181	VDS143404/256

HP Collar, Anti-Vibration	Description	Part No.	Replaces
	Collar 0.25", Anti-Vibration	4100771	VDR064406/261
	Collar 0.38", Anti-Vibration	4101578	VDR095406/261
	Collar 0.56", Anti-Vibration	4100867	VDR143404/261

Union Fitting, HP Male	Description	Part No.	Replaces
	Union Fitting 0.25", HP Male / Male	4207126	

Bulkhead Female Union 9.5	Description	Part No.	Replaces
	Bulkhead Female Union 9.5	4204808	

HP Valve, 3-Way 2-Stem	Description	Part No.	Replaces
	HP Valve 0.38", 3-way, 2-stem manifold	4100768	

HP Valve, 2-Way	Description	Part No.	Replaces
	HP Valve, 2-way, Manual, On / Off	4101649	VAE095408/220

Rebuild Kit, HP Valve 2-way	Description	Part No.	Replaces
	Rebuild Kit, HP Valve 2-way, Manual	4200677	

Filter Housing	Description	Part No.	Replaces
	Filter Housing	4203956	

Filter Element	Description	Part No.	Replaces
	Filter Element - 5um	4101371	XF58/220
	Filter Element - 1.2um	4101602	XF32/220

Silencer	Description	Part No.	Replaces
	Silencer	4101423	

138 - BFT PARTS: SPECIALISED TOOLS & LUBRICANTS

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HP Cylinder	Description	Part No.	Replaces
	Installation Support - HP Cylinder ECOTRON	1100037	
	Installation Support - HP Cylinder SERVOTRON	1202416	

Tool & Spare Parts Set	Description	Part No.	Replaces
	Tool & Spare Parts Set	1204301	

Mounting Tool	Description	Part No.	Replaces
	Mounting Tool WJ55	1204302	

Spanner	Description	Part No.	Replaces
	Spanner	4101542	XS107/220

Assembly Paste White	Description	Part No.	Replaces
	Assembly Paste White	4200000	XSCH139/220

Silicon Grease	Description	Part No.	Replaces
	Silicon Grease	4200001	OKS1155/220

Cylinder Screw	Description	Part No.	Replaces
	Cylinder Screw M20x65	4202884	
Straight Screwed Fitting	Description	Part No.	Replaces
	Straight screwed fitting	4100160	
Female Body	Description	Part No.	Replaces
	Coupling, Female Body	4202824	
Swivel Female	Description	Part No.	Replaces
	Swivel Female		3C382106B/220
Male Tip	Description	Part No.	Replaces
	Male Tip	4202826	
Safety Valve	Description	Part No.	Replaces
	Safety Valve	4100517	
Pressure Switch	Description	Part No.	Replaces
	Pressure Switch	4102024	
Temperature Sensor - PT100	Description	Part No.	Replaces
	Temperature Sensor - PT100	1203960	
Vacuum Sensor, Cross	Description	Part No.	Replaces
	Vacuum Sensor, Cross Fitting, Complete	4200237	AB080300

140 - BFT MISCELLANEOUS ACCESSORIES

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2 Way Solenoid Valve NC	Description	Part No.	Replaces
	2-2 way solenoid valve NC	4100541	

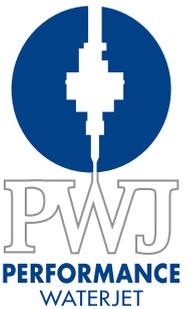
Solenoid Valve	Description	Part No.	Replaces
	Solenoid Valve	4100295	

Adapter	Description	Part No.	Replaces
	Straight Adapter, Male	1200431	TJ006038/220
	Straight Adapter	4204789	

Male Stud Elbow Fitting	Description	Part No.	Replaces
	Male Stud Elbow Fitting	4100640	C64PB1/8/220

Plug	Description	Part No.	Replaces
	Plug	4100039	XST9/220

BFT CUTTING HEADS



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 BHD CUTTING HEADS

Abrasive Nozzles to suit BHD style cutting heads	Description	Part No.
	6.0mm (.236") OD	
	70mm Long x 0.76mm ID Roctec 100	FTLS076700-100
	70mm Long x 102mm ID Roctec 100	FTLS102700-100

BHD / BFT Orifices Assemblies	Diamond Orifice 90°	Sapphire Orifice 90°	Sapphire Orifice 60°
			
0.08mm		4100618	
0.10mm	4101475	4100262	
0.12mm	4202070	4101599	
0.15mm		4100619	
0.17mm		4100214	
0.18mm	4100733	4101662	
0.20mm	4100688	4100918	
0.23mm		4100080	
0.25mm	4101109	4100497	
0.27mm	4100107		
0.28mm	4101638		
0.30mm	4200330	4100208	
0.33mm		4100749	
0.35mm		4100246	4101486
0.38mm		4101130	
0.40mm		4100089	
0.45mm		4101433	
0.50mm		4100216	

Abrasive Head, Complete	Description	Part No.	Replaces
	Abrasive Head 6.0mm, Complete	1200433	TJ006070/591

Abrasive Cutting Head Body	Description	Part No.	Replaces
	Abrasive Cutting Head Basic Body		
	6.35	5102244	TJ006076/591
	6.00	5102105	TJ006069/591
	6.00 Double connection	5100008	TJ006086/591

Bushing	Description	Part No.	Replaces
	Bushing, Double Connector	4100226	TJ006087/555
	Busing, Single Connector	4100692	TJ006071/555

Adjusting Nut	Description	Part No.	Replaces
	Adjusting Nut	4101573	TJ006016/133

Waterjet Valve	Description	Part No.	Replaces
	Waterjet Valve	1203453	WJ560005
		1204289	WJ560018

Pneumatic Actuator Spare Parts Kit	Description	Part No.	Replaces
	Pneumatic Actuator Spare Parts Kit		
	WJ56	1204299	

High Pressure Spare Parts Kit	Description	Part No.	Replaces
	High Pressure Spare Parts Kit		
	WJ56	1204300	

Valve Seat	Description	Part No.	Replaces
	Valve Seat		
	WJ56	5200316	

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Complete Valve Stem	Description	Part No.	Replaces
	Valve Stem, Assembly		
	WJ56	1200563	

Valve Body	Description	Part No.	Replaces
	Valve Body	5200317	

Valve Body	Description	Part No.	Replaces
	Valve Body	5102211	WJ070100/591
		5102215	WJ070061/591
		5102212	WJ070172/527

Gland Nut, Nozzle Tube	Description	Part No.	Replaces
	Gland Nut 0.56", Nozzle Tube	4100181	VDS143404/256
	Gland Nut 0.56", Nozzle Tube	4100882	WJ070105/256

Collar, Nozzle Tube	Description	Part No.	Replaces
	Collar Sleeve Ring 0.56", Nozzle Tube	4100867	VDR143404/261

Entrance Lense	Description	Part No.	Replaces
	Entrance Lense	5100159	WJ070288/780

Valve Insert	Description	Part No.	Replaces
	Valve Insert	5102114	WJ070110/593

Cylinder	Description	Part No.	Replaces
	Cylinder	5102216	WJ070062/338

Cover	Description	Part No.	Replaces
	Cover (Lid)	5100050	WJ070063/657

Guiding Bush	Description	Part No.	Replaces
	Guiding Bush	5102182	WJ070064/327

Piston	Description	Part No.	Replaces
	Piston	5102113	WJ070065/338

Support	Description	Part No.	Replaces
	Support	5100140	WJ070066/527

Absorber	Description	Part No.	Replaces
	Absorber, HPU95	4100394	SB229025/220

Screw Plug	Description	Part No.	Replaces
	Screw Plug	4100639	VST11/8E8359

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Shim	Description	Part No.	Replaces
	Shim	4100543	
	Shim	4100547	

Stem Screw	Description	Part No.	Replaces
	Stem Screw	5102240	WJ070070/365

Connection Ring	Description	Part No.	Replaces
	Connection Ring	5102069	WJ070067/365

Collimation Tube	Description	Part No.	Replaces
	Nozzle Tube, 58mm	5100125	WJ070074/593
	Nozzle Tube, 130mm	5100136	WJ070068/593
	Nozzle Tube, 202mm	5200085	WJ070289/593

Thread Pin	Description	Part No.	Replaces
	Thread Pin, DIN 913	4100178	G01M6x8/359
	Thread Pin, DIN 914	4100908	G02M4x6/359
	Thread Pin, DIN 916	4101541	G04M6x6/359

Adjusting Nut	Description	Part No.	Replaces
	Adjusting Nut	4100147	WJ070027/133

Collet	Description	Part No.	Replaces
	Collet	4100965	WJ070028/256
	Collet	4101574	TJ006017/256

O-Ring	Description	Part No.	Replaces
	O-Ring 70.0 x 2.0mm	4100704	
	O-Ring 14.0 x 2.0mm	4100920	

HP Sealing	Description	Part No.	Replaces
	HP Sealing	4100577	WJ070009/150

O Ring	Description	Part No.	Replaces
	O Ring - 4.3 x 2.4	4100175	OR00430024/151

Valve Stem	Description	Part No.	Replaces
	Valve Stem	5102181	WJ070005/551

Valve Seat	Description	Part No.	Replaces
	Valve Seat	5200039	

Guiding Bush	Description	Part No.	Replaces
	Guide Bushing	5102148	WJ070008/527

Nozzle Support	Description	Part No.	Replaces
	Nozzle Support	5102112	WJ070059/153

Cover Cap	Description	Part No.	Replaces
	Cover Cap	4100858	XAB1-S/220

Cap	Description	Part No.	Replaces
	Cap	4205108	

HIGH PRESSURE COMPONENTS

SUCTION & PRESSURE VALVE

HYDRAULIC COMPONENTS

HYDRAULIC COMPONENTS

RELEASE VALVE COMPONENTS

WATER FILTERS

TOOLS & ACCESSORIES

BHDT CUTTING HEADS

“From our initial enquiry of a waterjet machine, (which was only a concept in our minds), to the actual cutting trials and proofs that the machine will be suitable for our production demands, PWJ have proved to be an experienced waterjet cutting specialist.”

- Business Owner (Wangaratta, VIC)



OMAX STYLE PARTS

Contents

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Omax Style Cutting Heads	161



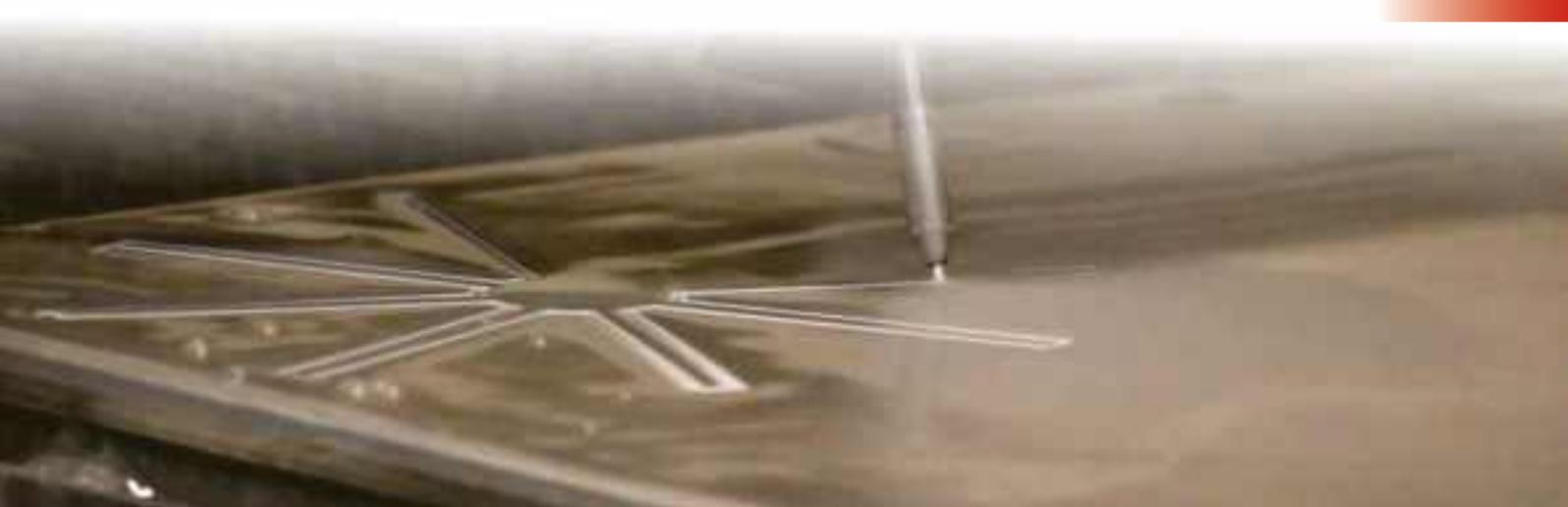
High Pressure
Components

Check
Valves

Filters

Enduromax
Pump Parts

Cutting
Heads



150 - OMAX STYLE PARTS - HIGH PRESSURE COMPONENTS

OMAX STYLE HIGH PRESSURE COMPONENTS

High Pressure Seal Rebuild Kit	Description	Part No.	Replaces.
	High Pressure Seal Rebuild Kit	11989	303019

OMAX STYLE CHECK VALVE COMPONENTS

Minor Rebuild Kit	Description	Part No.	Replaces.
	Minor Rebuild Kit	12015	302700

OMAX STYLE LOW PRESSURE COMPONENTS & FILTERS

Major Rebuild Kit	Description	Part No.	Replaces.
	Major Rebuild Kit	12016	302701

Kit Contains:	Part No.	Replaces
Back-Up Ring Assembly	11987	302244
Dynamic Seal	11995	302951
O-Ring, Dynamic	12662-012	200377
O-Ring, Dynamic, Large	12662-015	201707
Static Seal	11990	300733
O-Ring, Static	12662-017	200909
Port Adaptor Seal	11994	300726
O-Ring, Port Adaptor Seal	12662-018	200905
O-Ring, Filter Adaptor	12662-012	200377
Seal Ring, Static	11992	301625
Seal Ring	11991	301639
U-Cup Seal	11993	202398
Retainer, Check Valve	11997	301873
Ball, Check Valve	12012	200904
Seat, Check Valve	11996	300640
Support Ring	13178	303274
Flat Washer	12023	201277
Screw	12006	300734
Manifold Filter	13222	304104

ENDUROMAX COMPONENTS

Seal & Retainer Assembly	Description	Part No.	Replaces.
	Seal and Retainer Assembly	13147	302948

OMAX STYLE CUTTING HEADS

Port Adapter Assembly	Description	Part No.	Replaces.
	Port Adapter Assembly	13150	300728

Port Adaptor Body	Description	Part No.	Replaces.
	Port Adaptor, Body Only	13151	300729

Static Back Up Ring	Description	Part No.	Replaces.
	Port Adaptor Static Backup Ring	13152	300727

Port Adaptor Static Seal	Description	Part No.	Replaces.
	Port Adaptor Static Seal	11994	300726

O-Ring, Static Seal	Description	Part No.	Replaces.
	Port Adaptor Static Seal O-Ring	12662-018	200905

Retaining Ring	Description	Part No.	Replaces.
	Port Adapter Retaining Ring	13181	202609

O-Ring, Adaptor	Description	Part No.	Replaces.
	Filter Manifold Adaptor O-Ring	12662-012	200377

152 - OMAX STYLE PARTS - HIGH PRESSURE COMPONENTS

OMAX STYLE HIGH PRESSURE COMPONENTS

Filter Manifold Adaptor	Description	Part No.	Replaces.
	Filter Manifold Adaptor		304098

OMAX STYLE CHECK VALVE COMPONENTS

Filter Assembly	Description	Part No.	Replaces.
	Manifold Filter Assembly, 0.77OD x 8.62	13222	304104

OMAX STYLE LOW PRESSURE COMPONENTS & FILTERS

High Pressure Cylinder	Description	Part No.	Replaces.
	High Pressure Cylinder	12000	300737

Plunger Assembly	Description	Part No.	Replaces.
	Plunger Assembly	13130	304399

Plunger Assembly Kit	Description	Part No.	Replaces.
	Plunger Assembly Kit	13963	304885

ENDUROMAX COMPONENTS

Liquid Displacer	Description	Part No.	Replaces.
	Liquid Displacer	13134	303294

OMAX STYLE CUTTING HEADS

Manifold Assembly	Description	Part No.	Replaces.
	High Pressure Manifold Assembly	13149	301350

Check Valve Repair Kit	Description	Part No.	Replaces.
	Check Valve Repair Kit	12013	301353

Check Valve Assembly	Description	Part No.	Replaces.
	Check Valve Assembly, Complete	13180	303401

Check Valve Body	Description	Part No.	Replaces.
	Check Valve Body	12005	303251

Outlet Retainer, Check Valve	Description	Part No.	Replaces.
	Check Valve Retainer, Manifold Side	11997	301873

Inlet Retainer, Check Valve	Description	Part No.	Replaces.
	Check Valve Inlet Retainer	12004	303252

Static Back Up Ring	Description	Part No.	Replaces.
	Static Back Up Ring	13179	300735

Check Valve Nut	Description	Part No.	Replaces.
	Check Valve Nut	12003	303293

154 - OMAX STYLE PARTS - CHECK VALVES & COMPONENTS

OMAX STYLE HIGH
PRESSURE COMPONENTS

Check Valve Seat	Description	Part No.	Replaces.
	Check Valve Seat	11996	300640

OMAX STYLE CHECK
VALVE COMPONENTS

Ceramic Ball, Check Valve	Description	Part No.	Replaces.
	Check Valve Ceramic Ball - 1/4"	12012	200904

OMAX STYLE LOW PRESSURE
COMPONENTS & FILTERS

Flat Washer	Description	Part No.	Replaces.
	Flat Washer, Check Valve Retainer	12023	201277

Screw	Description	Part No.	Replaces.
	Screw, Check Valve Retainer	12006	300734

ENDUROMAX COMPONENTS

OMAX STYLE
CUTTING HEADS

Coarse Water Filter 10"	Description	Part No.	Replaces.
	Coarse Water Filter 10"	13184	202533

Fine Water Filter 10"	Description	Part No.	Replaces.
	Fine Water Filter 10"	13183	202532

Water Filter 20"	Description	Part No.	Replaces.
	Water Filter 20", 5 Micron	13185	202465
	Water Filter 20", 3 Micron	13661	202466

Final Filter	Description	Part No.	Replaces.
	Final Filter with O-Ring	13195	304351

Charge Pump	Description	Part No.	Replaces.
	Charge Pump, 100GPH		203021
	Charge Pump, 140 GPH		203899

Coolant Housing Assembly	Description	Part No.	Replaces.
	Coolant Housing Assembly	13136	302981

Swivel Repair Kit	Description	Part No.	Replaces.
	Swivel Repair Kit	13279	301665

Safety Valve Repair Kit	Description	Part No.	Replaces.
	Safety Valve Repair Kit	13125	305836

156 - OMAX ENDUROMAX STYLE PUMP COMPONENTS

OMAX STYLE HIGH
PRESSURE COMPONENTS

Minor Repair Kit E-Max	Description	Part No.	Replaces.
	Minor Repair Kit E-Max	45502	308308

OMAX STYLE CHECK
VALVE COMPONENTS

Major Repair Kit E-Max	Description	Part No.	Replaces.
	Major Repair Kit, E-Max	45501	308281

OMAX STYLE LOW PRESSURE
COMPONENTS & FILTERS

Plunger Rod Assembly E-Max	Description	Part No.	Replaces.
	Plunger Rod Assembly	45016	304399

ENDUROMAX COMPONENTS

Plunger Assembly Kit E-Max	Description	Part No.	Replaces.
	Plunger Assembly Kit	45026	304885

OMAX STYLE
CUTTING HEADS

Seal Retainer Assembly E-Max	Description	Part No.	Replaces.
	Seal Retainer Assembly	45027	302948
	Dynamic Seal	45013	302951
	O-Ring, Dynamic	45028	200337
	O-Ring, Large	45031	201707

OMAX ENDUROMAX STYLE PUMP COMPONENTS - 157

OMAX STYLE HIGH
PRESSURE COMPONENTS

OMAX STYLE CHECK
VALVE COMPONENTS

OMAX STYLE LOW PRESSURE
COMPONENTS & FILTERS

ENDUROMAX COMPONENTS

OMAX STYLE
CUTTING HEADS

Cylinder E-Max	Description	Part No.	Replaces.
	Cylinder E-Max	45517	308105

Back Up Ring Assembly E-Max	Description	Part No.	Replaces.
	Back Up Ring Assembly, E-Max	45515	308107

Liquid Displacer E-Max	Description	Part No.	Replaces.
	Liquid Displacer E-Max	45504	306748

HP Tube E-Max	Description	Part No.	Replaces
	HP Tube, Bent E-Max	46002	306805

158 - OMAX ENDUROMAX STYLE COOLING COMPONENTS

OMAX STYLE HIGH
PRESSURE COMPONENTS

U-Cup Seal	Description	Part No.	Replaces.
	u-Cup Seal, Coolant Housing	45032	202398

OMAX STYLE CHECK
VALVE COMPONENTS

Seal Retainer Sleeve	Description	Part No.	Replaces.
	Seal Retainer Sleeve, Coolant Housing	45060	300745

OMAX STYLE LOW PRESSURE
COMPONENTS & FILTERS

Snap Ring	Description	Part No.	Replaces.
	Snap Ring, Coolant Housing	45052	200913

ENDUROMAX COMPONENTS

OMAX STYLE
CUTTING HEADS

Check Valve Assembly E-Max	Description	Part No.	Replaces.
	Check Valve Assembly E-Max	45523	308103

Check Valve Body E-Max	Description	Part No.	Replaces.
	Check Valve Body, E-Max	45518	308481

Check Valve Retainer E-Max	Description	Part No.	Replaces.
	Check Valve Retainer E-Max	45521	308104

Ceramic Ball 1/4"	Description	Part No.	Replaces.
	Ceramic Ball 1/4"	45033	200904

Check Valve Seat	Description	Part No.	Replaces.
	Check Valve Seat	45006	300640

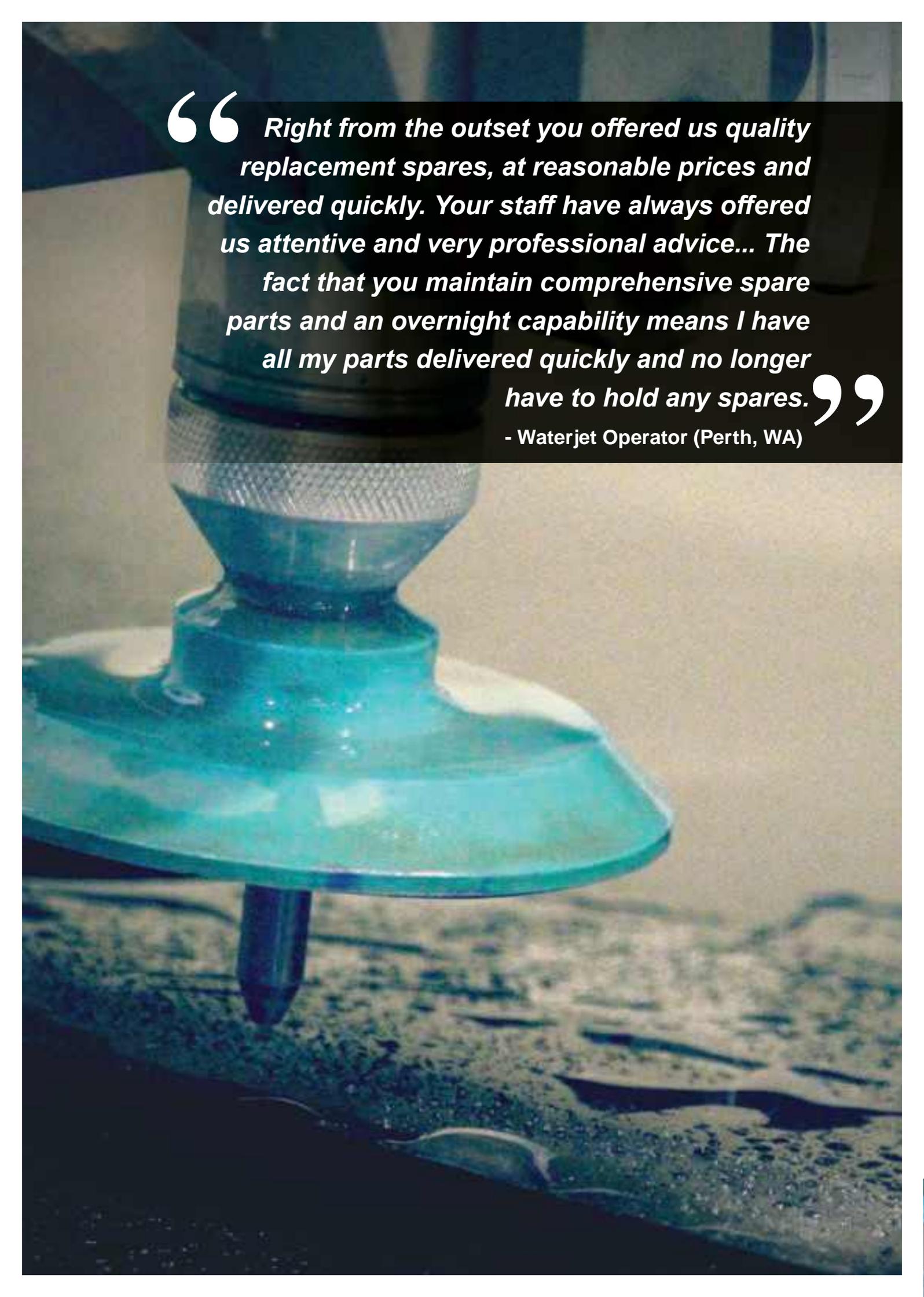
OMAX STYLE HIGH PRESSURE COMPONENTS

OMAX STYLE CHECK VALVE COMPONENTS

OMAX STYLE LOW PRESSURE COMPONENTS & FILTERS

ENDUROMAX COMPONENTS

OMAX STYLE CUTTING HEADS

A close-up photograph of a waterjet cutting process. A blue, conical nozzle is positioned above a dark, textured material. The nozzle is emitting a high-pressure stream of water, which is cutting through the material. The background is a plain, light-colored wall.

“ Right from the outset you offered us quality replacement spares, at reasonable prices and delivered quickly. Your staff have always offered us attentive and very professional advice... The fact that you maintain comprehensive spare parts and an overnight capability means I have all my parts delivered quickly and no longer have to hold any spares.”

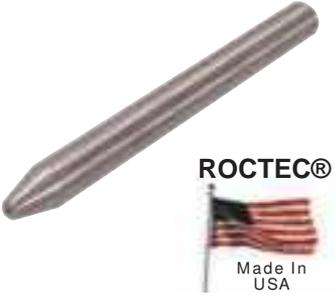
- Waterjet Operator (Perth, WA)

OMAX STYLE CUTTING HEADS



162 - OMAX STYLE PARTS - CUTTING HEADS & COMPONENTS

OMAX STYLE HIGH
PRESSURE COMPONENTS

Abrasive Nozzles to suit Omax cutting heads	Description	Part No.
	8.0mm (.315") OD	
	102mm Long x 0.76mm ID Roctec 500	FTOS076102-500
	102mm Long x 1.07mm ID Roctec 500	FTOS107102-500
	102mm Long x 1.02mm ID Break-Away Tip Roctec 500	FTOS102102-500-B
	102mm Long x 1.07mm ID Break-Away Tip Roctec 500	FTOS107102-500-B

OMAX STYLE CHECK
VALVE COMPONENTS

Omax Orifice Assemblies	Ruby Orifice	Diamond Orifice		
				
	Part No.	Replaces:	Part No.	Replaces
MiniJet 0.10" / 0.25mm	11474-010	304352-10		
MJ 5 0.14" / 0.35mm	11474-014	303281-14	11474D-014	305322-14

OMAX STYLE LOW PRESSURE
COMPONENTS & FILTERS

Valve Repair Kit, Dual	Description	Part No.	Replaces
	Valve Repair Kit, Dual On / Off Valve, Integrated	12010	301927

ENDUROMAX COMPONENTS

Valve Body, Dual	Description	Part No.	Replaces
	Valve Body, Dual On / Off Valve	13173	301477

Air Actuator	Description	Part No.	Replaces
	Air Actuator	13621	312827

OMAX STYLE
CUTTING HEADS

Gland Nut, Dual On / Off Valve	Description	Part No.	Replaces
	Dual On / Off Valve Gland Nut		301476

Valve Screw	Description	Part No.	Replaces
	Valve Screw	13625	301023
<hr/>			
Valve Repair Kit, MJ 5	Description	Part No.	Replaces
	Valve Repair Kit, MJ 5 On / Off Valve	13170	303639
<hr/>			
Valve Body, MJ 5	Description	Part No.	Replaces
	Valve Body, MJ 5 On / Off	13626	303327
<hr/>			
Carbide Disk	Description	Part No.	Replaces
	Carbide Disk, Mixing Chamber	12111	303566
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Mixing Chamber, Carbide	Description	Part No.	Replaces
	Carbide Mixing Chamber	12210	303565
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Inlet Body	Description	Part No.	Replaces
	Inlet Body		303279
<hr/>			
Collet, Mixing Tube	Description	Part No.	Replaces
	Mixing Tube Collet	13199	303275
<hr/>			

OMAX STYLE HIGH
PRESSURE COMPONENTS

OMAX STYLE CHECK
VALVE COMPONENTS

OMAX STYLE LOW PRESSURE
COMPONENTS & FILTERS

ENDUROMAX COMPONENTS

OMAX STYLE
CUTTING HEADS

164 - OMAX STYLE PARTS - CUTTING HEADS & COMPONENTS

OMAX STYLE HIGH
PRESSURE COMPONENTS

Clamp Nut	Description	Part No.	Replaces
	Clamp Nut	13198	303453

OMAX STYLE CHECK
VALVE COMPONENTS

Inlet Body, MJ 5	Description	Part No.	Replaces
	MJ 5 Inlet Body	13124	303329

OMAX STYLE LOW PRESSURE
COMPONENTS & FILTERS

Nozzle Splash Gaurd	Description	Part No.	Replaces
		13727	306438

ENDUROMAX COMPONENTS

Nozzle Muff	Description	Part No.	Replaces
		13182	300614

OMAX STYLE
CUTTING HEADS

HYPERTHERM STYLE PARTS



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High Pressure
Components

Check
Valves

Low Pressure
Components

Bleed Down
Valve Parts

Cutting
Heads



166 - HYPERTHERM STYLE INTENSIFIER PARTS - HIGH PRESSURE COMPONENTS

HYPERTHERM INTENSIFIER
PARTS: HP COMPONENTS

Standard Seal Kit	Description	Part No.	Replaces
	Standard Seal Kit	25046	11451

HYPERTHERM CHECK
VALVE COMPONENTS

Premium Seal Kit	Description	Part No.	Replaces
	Premium Seal Kit	25056	15563

HYPERTHERM INTENSIFIER
PARTS: LP COMPONENTS

High Pressure Cylinder	Description	Part No.	Replaces
	High Pressure Cylinder	25015	11522

INTENSIFIER BLEED DOWN
VALVES & COMPONENTS

HYPERTHERM CUTTING
HEAD COMPONENTS

Check Valve Repair Kit	Description	Part No.	Replaces
	Check Valve Repair Kit	25047	12024

Check Valve Assembly	Description	Part No.	Replaces
	Check Valve Assembly	25063	25063

Check Valve Body	Description	Part No.	Replaces
	Check Valve Body	25016	11523

Outlet Adaptor, Check Valve	Description	Part No.	Replaces
	Check Valve Outlet Adaptor	25019	11530

Poppet Basket, Check Valve	Description	Part No.	Replaces
	Check Valve Poppet Basket	25013	11520

168 - HYPERTHERM STYLE INTENSIFIER PARTS - LOW PRESSURE COMPONENTS

HYPERTHERM INTENSIFIER
PARTS: HP COMPONENTS

HYPERTHERM CHECK
VALVE COMPONENTS

HYPERTHERM INTENSIFIER
PARTS: LP COMPONENTS

INTENSIFIER BLEED DOWN
VALVES & COMPONENTS

HYPERTHERM CUTTING
HEAD COMPONENTS

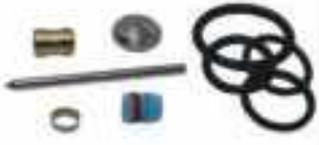
Low Pressure Seal Kit	Description	Part No.	Replaces
	Low Pressure Seal Kit	25061	13384

Rod Bearing	Description	Part No.	Replaces
	Rod Bearing	25072	11090

Seal Housing	Description	Part No.	Replaces
	Seal Housing	25073	11609

Filter Element, Hydraulic Oil	Description	Part No.	Replaces
	Hydraulic Filter Element, 40CN2	25064	12719

Filter Element, Hydraulic Oil	Description	Part No.	Replaces
	Hydraulic Filter Element, HP & HPS	25065	16025

Bleed Down Valve Repair Kit, BDV II	Description	Part No.	Replaces
	Hydraulic Bleed Down Valve Repair Kit, BDV II	23020	12981

Body, Bleed Down Valve II	Description	Part No.	Replaces
	Bleed Down Valve II Body	23018	12943

Bleed Down Valve Repair Kit, Old Style	Description	Part No.	Replaces
	Hydraulic Bleed Down Valve Repair Kit, Old Style	35006	11331

Bleed Down Valve Assembly, Old Style	Description	Part No.	Replaces
	Hydraulic Bleed Down Valve Assembly, Old Style	35023	11480

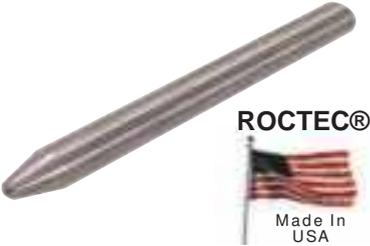
Bleed Down Valve Repair Kit, Air	Description	Part No.	Replaces
	Air Operated Bleed Down Valve Rebuild Kit	23001	11328

Body, Air Bleed Down Valve	Description	Part No.	Replaces
	Air Operated Bleed Down Valve Body	23007	14141

Body, Hydraulic Bleed Down Valve	Description	Part No.	Replaces
	Hydraulic Bleed Down Valve Body, Old Style	35024	11594

170 - HYPERTHERM STYLE CUTTING HEADS & ACCESSORIES

HYPERTHERM INTENSIFIER PARTS: HP COMPONENTS

Abrasive Nozzle for Hypertherm	Description	Part No.
	7.62mm (.300") OD	
	76.2mm Long x 0.76mm ID Silverline	FTAS076762-S
	76.2mm Long x 0.76mm ID Roctec 100	FTAS076762-100
	76.2mm Long x 1.02mm ID Silverline	FTAS102762-S
	76.2mm Long x 1.02mm ID Roctec 100	FTAS102762-100

HYPERTHERM CHECK VALVE COMPONENTS

HyperTherm Orifice Assemblies	Dialine™ Style Ruby Orifice		Dialine™ Style Diamond Orifice	
	Part No.	Replaces	Part No.	Replaces
0.10" / 0.25mm	12001-010	12835-010	12002-010	12749-010
0.12" / 0.30mm	12001-012	12835-012	12002-012	12749-012
0.13" / 0.33mm	12001-013	12835-013	12002-013	12749-013
0.14" / 0.35mm	12001-014	12835-014	12002-014	12479-014
0.15" / 0.38mm	12001-015	12835-015	12002-015	12749-015

HYPERTHERM INTENSIFIER PARTS: LP COMPONENTS

On / Off Valve Repair Kit	Description	Part No.	Replaces
	On / Off Valve Repair Kit, Standard (Suits Pivot+, DWJ and DXD)	23001	11328

INTENSIFIER BLEED DOWN VALVES & COMPONENTS

On / Off Valve Repair Kit, Hy-Cycle	Description	Part No.	Replaces
	Hy-Cycle On / Off Valve Repair Kit	23023	13683

HYPERTHERM CUTTING HEAD COMPONENTS

Valve Body, Standard	Description	Part No.	Replaces
	Standard Valve Body	23006	11033

Valve Body, High Performance	Description	Part No.	Replaces
	High Performance Valve Body	23007	14141

HYPERTHERM STYLE CUTTING HEADS & ACCESSORIES - 171

Carbide Mixing Chamber	Description	Part No.	Replaces
	Carbide Mixing Chamber	14001	12747

Nozzle Collet	Description	Part No.	Replaces
	Nozzle Collet	14004	11357

Protective Carbide Nut	Description	Part No.	Replaces
	Protective Carbide Nut	14008	13198

WORLD LEADING Cutting Head Technology



JETSTREAM PARTS



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HP & Check
Valve Parts

High Pressure
Components

Low Pressure
Components

Cutting
Heads



174 - PARTS TO SUIT JETSTREAM: HP & CHECK VALVE COMPONENTS

HIGH PRESSURE & CHECK VALVE COMPONENTS

HP Water Seal Kit	Description	Part No.	Replaces
	HP Water Seal Kit	C5100010	M01198-32
	Bronze Seal, Backup Ring, Separate to Kit	C5100011	

HIGH PRESSURE COMPONENTS

High Pressure Cylinder	Description	Part No.	Replaces
	High Pressure Cylinder, No Thread	C5100043	M07039-32

LOW PRESSURE COMPONENTS

Plunger, Ceramic	Description	Part No.	Replaces
	Ceramic Plunger	C5100002	M00253-32

Cylinder Liner	Description	Part No.	Replaces
	Cylinder Liner, Stainless Steel	C7401027	

JETSTREAM CUTTING HEAD COMPONENTS

Check Valve Repair Kit	Description	Part No.	Replaces
	Check Valve Repair Kit	C5100016	M01586-32

Check Valve Body	Description	Part No.	Replaces
	Check Valve Body	C5100004	M0438-32

JETSTREAM CUTTING HEAD COMPONENTS

Outlet Adaptor, Check Valve	Description	Part No.	Replaces
	Check Valve Outlet Adaptor	C5100048	

Attenuator Cylinder	Description	Part No.	Replaces
	Attenuator Cylinder	C7401013	GYCLQ-00-1

Attenuator Check Valve	Description	Part No.	Replaces
	Attenuator Check Valve	C7401010	GYCLQ-00-2

Attenuator Reducer	Description	Part No.	Replaces
	Attenuator Reducer	C7401015	

Brass Ring, Attenuator	Description	Part No.	Replaces
	Brass Ring, Attenuator, D4	C6103012	GYCLQ-00-10

Nylon Seal, Attenuator	Description	Part No.	Replaces
	Nylon Seal, Attenuator	C7401011	

Brass Seal, Attenuator	Description	Part No.	Replaces
	Brass Seal, Attenuator	C7401012	

Y Type Seal, Attenuator	Description	Part No.	Replaces
	Y Type Seal, Attenuator	C3302002	

O-Ring, Attenuator	Description	Part No.	Replaces
	O-Ring, Attenuator		GB3452.1-82L

HIGH PRESSURE & CHECK VALVE COMPONENTS

HIGH PRESSURE COMPONENTS

LOW PRESSURE COMPONENTS

JETSTREAM CUTTING HEAD COMPONENTS

JETSTREAM CUTTING HEAD COMPONENTS

176 - PARTS TO SUIT JETSTREAM: LOW PRESSURE COMPONENTS

HIGH PRESSURE & CHECK VALVE COMPONENTS

HIGH PRESSURE COMPONENTS

LOW PRESSURE COMPONENTS

JETSTREAM CUTTING HEAD COMPONENTS

JETSTREAM CUTTING HEAD COMPONENTS

Hydraulic Seal Kit 	Description Low Pressure Hydraulic Seal Kit	Part No. C5100013	Replaces M10641-32
Hydraulic Cylinder 	Description Hydraulic Cylinder, Chrome Hydraulic Cylinder, Painted	Part No. C4199032 C4199034	Replaces GYSFQ-00-1
Hydraulic Piston 	Description Hydraulic Piston	Part No. C7401024	Replaces GYFSQ-00-3
Hydraulic Piston Belt 	Description Hydraulic Piston Belt	Part No. C3399001	Replaces
Snap Ring, Piston 	Description Hydraulic Piston Retainer Snap Ring	Part No. C5100006	Replaces
Snap Ring, End Bell 	Description Hydraulic End Bell Snap Ring	Part No. C5100007	Replaces
Round Nut 	Description Round Nut	Part No.	Replaces GYFSQ-00-21

PARTS TO SUIT JETSTREAM: LOW PRESSURE COMPONENTS - 177

Shift Sensor Seal	Description	Part No.	Replaces
	Shift Sensor Seal		GYFSQ-00-22

Shift Sensor Cover	Description	Part No.	Replaces
	Shift Sensor Cover		GYFSQ-00-23

Shift Sensor Rod	Description	Part No.	Replaces
	Shift Sensor Rod		GYFSQ-00-24/25

HIGH PRESSURE & CHECK VALVE COMPONENTS

HIGH PRESSURE COMPONENTS

LOW PRESSURE COMPONENTS

JETSTREAM CUTTING HEAD COMPONENTS

JETSTREAM CUTTING HEAD COMPONENTS

178 - PARTS TO SUIT JETSTREAM: CUTTING HEAD COMPONENTS

HIGH PRESSURE & CHECK VALVE COMPONENTS

HIGH PRESSURE COMPONENTS

LOW PRESSURE COMPONENTS

JETSTREAM CUTTING HEAD COMPONENTS

JETSTREAM CUTTING HEAD COMPONENTS

Abrasive Nozzles to suit Jetstream & Chinese style cutting heads	Description	Part No.
	6.35mm (.250") OD	
	76.2mm Long x 0.76mm ID Silverline	FTJE076762-S
	76.2mm Long x 0.76mm ID Roctec 100	FTJE076762-100
	76.2mm Long x 1.02mm ID Silverline	FTJE102762-S
	76.2mm Long x 1.02mm ID Roctec 100	FTJE102762-100



HP Water Valve Repair Kit	M00005-US
---------------------------	-----------

Fixing Seat	Description	Part No.
	Fixing Seat	M00018-USA

Water On/Off Valve Body	Description	Part No.
	Water On/Off Valve Body	M00002-ISA

Air Actuator	Description	Part No.
	Air Actuator	M00001-USA

Nozzle Tube	Description	Part No.
	Nozzle Tube	M00014-USA

TECHNI STYLE PARTS



Contents

Quantum 37kW Style Parts	180
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Quantum 37kW
Style Parts

Quantum NXT
55 Style Parts

Quantum NXT
66 Style Parts

Cutting
Heads



180 - QUANTUM 37KW STYLE PARTS - HIGH PRESSURE COMPONENTS

QUANTUM 37KW STYLE
INTENSIFIER PARTS

High Pressure Seal Set	Description	Part No.	Replaces:
	High Pressure Seal Set	90200	SP1060

QUANTUM NXT 55 STYLE
INTENSIFIER PARTS

High Pressure Cylinder	Description	Part No.	Replaces:
	High Pressure Cylinder	90201	SP-49-13

QUANTUM NXT 66 STYLE
INTENSIFIER PARTS

Cylinder Liner	Description	Part No.	Replaces:
	Cylinder Liner	90202	SP4-69-175

DIALINE CUTTING
HEAD COMPONENTS

High Pressure Plunger	Description	Part No.	Replaces:
	High Pressure Plunger, Ceramic	90203	SP-46-3

DIALINE CUTTING
HEAD COMPONENTS

Internal CirClip	Description	Part No.	Replaces:
	Internal CirClip, Plunger	90204	500-1-0010

Outlet Check Valve Repair Kit	Description	Part No.	Replaces:
	Outlet Check Valve Repair Kit	90205	500-20-0110
	Seat	100034-1	11230
	Outlet Poppet	100057-1	11228
	Outlet Spring	400045-1	11234

Outlet Adaptor, Check Valve	Description	Part No.	Replaces:
	Check Valve Outlet Adaptor (100022-1)	90209	500-20-0100

Poppet, Check Valve Inlet	Description	Part No.	Replaces:
	Inlet Check Valve Poppet	90210	SP-73-2

Spring, Check Valve Inlet	Description	Part No.	Replaces:
	Inlet Check Valve Spring	90211	500-12-0040

Housing, Check Valve Inlet	Description	Part No.	Replaces:
	Inlet Check Valve Housing	90212	SP-72-7

Body, Check Valve	Description	Part No.	Replaces:
	Check Valve Body	90213	SP-71-9

QUANTUM 37KW STYLE
INTENSIFIER PARTS

QUANTUM NXT 55 STYLE
INTENSIFIER PARTS

QUANTUM NXT 66 STYLE
INTENSIFIER PARTS

DIALINE CUTTING
HEAD COMPONENTS

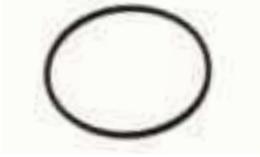
DIALINE CUTTING
HEAD COMPONENTS

182 - QUANTUM 37KW INTENSIFIER PARTS - LOW PRESSURE COMPONENTS

QUANTUM 37KW STYLE
INTENSIFIER PARTS

Guide Bush Assembly	Description	Part No.	Replaces:
	Guide Bush Assembly, 17.5mm, G4	90214	SP1120

QUANTUM NXT 55 STYLE
INTENSIFIER PARTS

O-Ring	Description	Part No.	Replaces:
	O-Ring, BS-033, Check Valve Body	90215	500-5-0042

QUANTUM NXT 66 STYLE
INTENSIFIER PARTS

Filter Element, Oil	Description	Part No.	Replaces:
	Oil Filter Element, 19 Micron	90216	500-19-0057S

DIALINE CUTTING
HEAD COMPONENTS

Filter Element, Oil	Description	Part No.	Replaces:
	Oil Filter Element, 4 Micron	90217	500-19-0056S

DIALINE CUTTING
HEAD COMPONENTS

Socket Head Cap Screw	Description	Part No.	Replaces:
	Socket Head Cap Screw M12 x 1.25mm - 40 long	90218	110-1-1240

High Pressure Seal Set	Description	Part No.	Replaces:
	High Pressure Seal Set	90219	SP1055
High Pressure Cylinder	Description	Part No.	Replaces:
	High Pressure Cylinder	90220	SP-49-12
Cylinder Liner	Description	Part No.	Replaces:
	Cylinder Liner	90221	SP-69-9
High Pressure Plunger	Description	Part No.	Replaces:
	High Pressure Plunger, Ceramic	90222	SP-46-1
Internal CirClip	Description	Part No.	Replaces:
	Internal CirClip, Plunger	90204	500-1-0010

QUANTUM 37KW STYLE
INTENSIFIER PARTS

QUANTUM NXT 55 STYLE
INTENSIFIER PARTS

QUANTUM NXT 66 STYLE
INTENSIFIER PARTS

DIALINE CUTTING
HEAD COMPONENTS

DIALINE CUTTING
HEAD COMPONENTS

184 - QUANTUM NXT 55 STYLE PARTS - CHECK VALVE COMPONENTS

QUANTUM 37KW STYLE
INTENSIFIER PARTS

QUANTUM NXT 55 STYLE
INTENSIFIER PARTS

QUANTUM NXT 66 STYLE
INTENSIFIER PARTS

DIALINE CUTTING
HEAD COMPONENTS

DIALINE CUTTING
HEAD COMPONENTS

Outlet Check Valve Repair Kit	Description	Part No.	Replaces:
	Outlet Check Valve Repair Kit	90205	500-20-0110
	Seat	100034-1	11230
	Outlet Poppet	100057-1	11228
	Outlet Spring	400045-1	11234

Outlet Adaptor, Check Valve	Description	Part No.	Replaces:
	Check Valve Outlet Adaptor	90223	11231

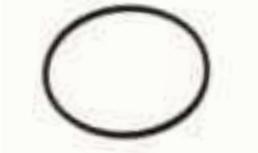
Poppet, Check Valve Inlet	Description	Part No.	Replaces:
	Inlet Check Valve Poppet	90210	SP-73-2

Spring, Check Valve Inlet	Description	Part No.	Replaces:
	Inlet Check Valve Spring	90211	500-12-0040

Housing, Check Valve Inlet	Description	Part No.	Replaces:
	Inlet Check Valve Housing	90224	SP-72-6

Body, Check Valve	Description	Part No.	Replaces:
	Check Valve Body	90213	SP-71-9

Guide Bush Assembly	Description	Part No.	Replaces:
	Guide Bush Assembly	90225	SP-43-8

O-Ring	Description	Part No.	Replaces:
	O-Ring, BS-033, Check Valve Body	90215	500-5-0042

Filter Element, Oil	Description	Part No.	Replaces:
	Oil Filter Element, 24 Micron	90226	500-19-0053

Filter Element, Oil	Description	Part No.	Replaces:
	Oil Filter Element, 5 Micron	90227	500-19-0052

QUANTUM 37KW STYLE
INTENSIFIER PARTS

QUANTUM NXT 55 STYLE
INTENSIFIER PARTS

QUANTUM NXT 66 STYLE
INTENSIFIER PARTS

DIALINE CUTTING
HEAD COMPONENTS

DIALINE CUTTING
HEAD COMPONENTS

186 - QUANTUM NXT 66 STYLE PARTS - HIGH PRESSURE COMPONENTS

QUANTUM 37KW STYLE
INTENSIFIER PARTS

High Pressure Seal Set	Description	Part No.	Replaces:
	High Pressure Seal Set	90228	SP1066

QUANTUM NXT 55 STYLE
INTENSIFIER PARTS

High Pressure Cylinder	Description	Part No.	Replaces:
	High Pressure Cylinder	90229	SP-49-11

QUANTUM NXT 66 STYLE
INTENSIFIER PARTS

Cylinder Liner	Description	Part No.	Replaces:
	Cylinder Liner	90230	SP4-69-8

DIALINE CUTTING
HEAD COMPONENTS

High Pressure Plunger	Description	Part No.	Replaces:
	High Pressure Plunger, Ceramic	90231	SP-46-2

DIALINE CUTTING
HEAD COMPONENTS

Internal CirClip	Description	Part No.	Replaces:
	Internal CirClip, Plunger	90204	500-1-0010

Outlet Check Valve Repair Kit	Description	Part No.	Replaces:
	Outlet Check Valve Repair Kit	90205	500-20-0110
	Seat	100034-1	11230
	Outlet Poppet	100057-1	11228
	Outlet Spring	400045-1	11234

Outlet Adaptor, Check Valve	Description	Part No.	Replaces:
	Check Valve Outlet Adaptor	90223	11231

Poppet, Check Valve Inlet	Description	Part No.	Replaces:
	Inlet Check Valve Poppet	90210	SP-73-2

Spring, Check Valve Inlet	Description	Part No.	Replaces:
	Inlet Check Valve Spring	90211	500-12-0040

Housing, Check Valve Inlet	Description	Replaces:	Replaces:
	Inlet Check Valve Housing	90232	SP-72-5

Body, Check Valve	Description	Replaces:	Replaces:
	Check Valve Body	90233	SP-71-7

QUANTUM 37KW STYLE
INTENSIFIER PARTS

QUANTUM NXT 55 STYLE
INTENSIFIER PARTS

QUANTUM NXT 66 STYLE
INTENSIFIER PARTS

DIALINE CUTTING
HEAD COMPONENTS

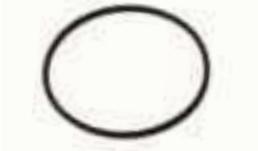
DIALINE CUTTING
HEAD COMPONENTS

188 - QUANTUM NXT 66 STYLE PARTS - LOW PRESSURE COMPONENTS

QUANTUM 37KW STYLE
INTENSIFIER PARTS

Guide Bush Assembly	Description	Part No.	Replaces:
	Guide Bush Assembly	90234	SP-43-7

QUANTUM NXT 55 STYLE
INTENSIFIER PARTS

O-Ring	Description	Part No.	Replaces:
	O-Ring, BS-033, Check Valve Body	90215	500-5-0042

QUANTUM NXT 66 STYLE
INTENSIFIER PARTS

Filter Element, Oil	Description	Part No.	Replaces:
	Oil Filter Element, 24 Micron	90226	500-19-0053

Filter Element, Oil	Description	Part No.	Replaces:
	Oil Filter Element, 5 Micron	90227	500-19-0052

DIALINE CUTTING
HEAD COMPONENTS

DIALINE CUTTING
HEAD COMPONENTS

DIALINE CUTTING HEADS



190 - DIALINE CUTTING HEADS

QUANTUM 37KW STYLE
INTENSIFIER PARTS

Abrasive Nozzles to suit Dialine style cutting heads	Description	Parts No.
	7.62mm (.30") OD	
	76mm Long x 0.76mm ID Roctec 100	FTAS076762-100
	76mm Long x 1.02mm ID Roctec 100	FTAS102762-100
	76mm Long x 0.76mm ID Silverline	FTAS076762-S
	76mm Long x 1.02mm ID Silverline	FTAS102762-S

QUANTUM NXT 55 STYLE
INTENSIFIER PARTS

Abrasive Nozzles to suit Techhead cutting heads	Description	Parts No.
	7.5mm (.295") OD	
	76mm Long x 0.76mm ID Roctec 100	FTTS076762-100
	76mm Long x 1.02mm ID Roctec 100	FTTS102762-100
	76mm Long x 0.76mm ID Silverline	FTTS076762-S
	76mm Long x 1.02mm ID Silverline	FTTS102762-S

QUANTUM NXT 66 STYLE
INTENSIFIER PARTS

Orifices	Description	Part No.
	Diamond	12749-xxx
	Ruby	12835-xxx
	Ruby, A2	11007-xxx
	'xxx' Denotes Orifice Size - eg. 010 = .010"	

DIALINE CUTTING
HEAD COMPONENTS

Orifice - Water Only	Description	Part No.
	Diamond - Water Only	11007D-xxx
	'xxx' Denotes Orifice Size - eg. 010 = .010"	

DIALINE CUTTING
HEAD COMPONENTS

Orifice - Abrasive	Description	Part No.
	Diamond - Abrasive	11007DA-xxx
	'xxx' Denotes Orifice Size - eg. 010 = .010"	

AccuValve Actuator	Description	Part No.
	Top Inlet Actuator	12828
	Side Inlet Actuator	13732

Actuator Rebuild Kit	Description	Part No.
	AccuValve Actuator Rebuild Kit	12686

Mixing Chamber	Description	Part No.
	DialLine Mixing Chamber	12747

Set Screw	Description	Part No.
	DialLine Set Screw	12836

Abrasive Inlet	Description	Part No.
	3/8" Abrasive Inlet	12752

Standard Nut	Description	Part No.
	.300 Standard Nut	12862

Swivel Adapters	Description	Part No.
	Short Swivel Adapter - OAL 2.315", PAC	13730
	Long Swivel Adapter - OAL 4.985"	13839

QUANTUM 37KW STYLE
INTENSIFIER PARTS

QUANTUM NXT 55 STYLE
INTENSIFIER PARTS

QUANTUM NXT 66 STYLE
INTENSIFIER PARTS

DIALINE CUTTING
HEAD COMPONENTS

DIALINE CUTTING
HEAD COMPONENTS

192 - DIALINE CUTTING HEADS

QUANTUM 37KW STYLE
INTENSIFIER PARTS

On/Off Valve Repair Kit	Description	Part No.
	On/Off Valve Repair Kit - Standard	11328
	On/Off Valve Repair Kit - High Cycle	13683

QUANTUM NXT 55 STYLE
INTENSIFIER PARTS

Collet	Description	Part No.
	DiaLine Collet, .300	12276
	DiaLine Collet, .281	11357

QUANTUM NXT 66 STYLE
INTENSIFIER PARTS

O-Rings	Description	Part No.
	DiaLine Inlet O-Ring	11679-012
	DiaLine O-Ring	11679-216

Valve Body	Description	Part No.
	A - Standard	11033
	B - High Performance	14141

DIALINE CUTTING
HEAD COMPONENTS

Mounting Plate	Description	Part No.
	HP Valve Body	14142

DIALINE CUTTING
HEAD COMPONENTS

ABRASIVE NOZZLES



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H20JET
& IDE

Flow

KMT

Omax &
Dialine

BHDT &
Lisec

Jetstream
& Techjet



194 - ABRASIVE NOZZLES

FLOW STYLE

KMT STYLE

OMAX STYLE

DARDI & JETEDGE STYLE

LISEC STYLE

ACCUSTREAM STYLE

Abrasive Nozzles to suit H2OJET IDE & Flow cutting heads	Description	Part No.
	7.14mm (.281") OD	
	76mm Long x 0.50mm ID Roctec 100	FTFS050762-100
	76mm Long x 0.76mm ID Roctec 100	FTFS076762-100
	76mm Long x 0.76mm ID Break-Away Tip Roctec 100	FTFS076762-100-B
	76mm Long x 0.76mm ID Roctec 500	FTFS076762-500
	76mm Long x 0.76mm ID Silverline*	FTFS076762-S
	76mm Long x 1.02mm ID Roctec 100	FTFS102762-100
	76mm Long x 1.02mm ID Break-Away Tip Roctec 100	FTFS102762-100-B
	76mm Long x 1.02mm ID Roctec 500	FTFS102762-500
	76mm Long x 1.02mm ID Silverline*	FTFS102762-S
	76mm Long x 1.27mm ID Roctec 100	FTFS127762-100
	76mm Long x 1.78mm ID Roctec 100	FTFS178762-100
	102mm Long x 0.76mm ID Roctec 100	FTFS076102-100
	102mm Long x 1.02mm ID Roctec 100	FTFS102102-100

Abrasive Nozzles to suit Flow cutting heads	Description	Part No.
	7.14mm (.281") OD with Retaining Collars	
	76mm Long x 0.76mm ID Roctec 100	FTFS076762-1-RC
	76mm Long x 0.76mm ID Roctec 500	FTFS076762-5-RC
	76mm Long x 1.02mm ID Roctec 100	FTFS102762-1-RC
	76mm Long x 1.02mm ID Roctec 500	FTFS102762-5-RC
	102mm Long x 0.76mm ID Roctec 100	FTFS076102-1-RC
	102mm Long x 0.76mm ID Roctec 500	FTFS076102-5-RC
	102mm Long x 1.02mm ID Roctec 100	FTFS102102-1-RC
	102mm Long x 1.02mm ID Roctec 500	FTFS102102-5-RC
	102mm Long x 1.02mm ID Delta NXT	FTFS102102-NXT-RC

Abrasive Nozzles to suit KMT style cutting heads	Description	Part No.
	9.45mm (.372") OD	
	63.5mm Long x 0.76mm ID Roctec 100	FTKS076635-100
	63.5mm Long x 1.02mm ID Roctec 100	FTKS102635-100
	76mm Long x 0.76mm ID Roctec 100	FTKS076762-100
	76mm Long x 0.76mm ID Roctec 500	FTKS076762-500
	76mm Long x 0.76mm ID Silverline*	FTKS076762-S
	76mm Long x 1.02mm ID Roctec 100	FTKS102762-100
	76mm Long x 1.02mm ID Roctec 500	FTKS102762-500
	76mm Long x 1.02mm ID Silverline*	FTKS102762-S
	79.5mm Long x 0.76mm ID Roctec 100	FTKS076795-100
79.5mm Long x 1.02mm ID Roctec 100	FTKS102795-100	

Silverline Nozzles sourced outside of USA

Abrasive Nozzles to suit Omax style cutting heads	Description	Part No.
 <p>Made In USA</p>	8.0mm (.315") OD	
	102mm Long x 0.76mm ID Roctec 100	FTOS076102-100
	102mm Long x 0.76mm ID Roctec 500	FTOS076102-500
	102mm Long x 1.02mm ID Roctec 100	FTOS102102-100
	102mm Long x 1.07mm ID Roctec 500	FTOS107102-500
	102mm Long x 1.07mm ID Break-Away Tip Roctec 500	FTOS107102-500-B

Abrasive Nozzles to suit Jetstream & Chinese style cutting heads	Description	Part No.
 <p>Made In USA</p>	6.35mm (.250") OD	
	76mm Long x 0.76mm ID Roctec 100	FTJE076762-100
	76mm Long x 1.02mm ID Roctec 100	FTJE102762-100
	76mm Long x 0.76mm ID Silverline*	FTJE076762-S
	76mm Long x 1.02mm ID Silverline*	FTJE102762-S

Abrasive Nozzles to suit BHDT and Lisec style cutting heads	Description	Part No.
 <p>Made In USA</p>	6.0mm (.236") OD	
	70mm Long x 0.76mm ID Roctec 100	FTLS076700-100
	70mm Long x 102mm ID Roctec 100	FTLS102700-100

Abrasive Nozzles to suit Dialine style cutting heads	Description	Parts No.
 <p>Made In USA</p>	7.62mm (.300") OD	
	76mm Long x 0.76mm ID Roctec 100	FTAS076762-100
	76mm Long x 1.02mm ID Roctec 100	FTAS102762-100
	76mm Long x 0.76mm ID Silverline*	FTAS076762-S
	76mm Long x 1.02mm ID Silverline*	FTAS102762-S

Abrasive Nozzles to suit Techhead cutting heads	Description	Parts No.
 <p>Made In USA</p>	7.5mm (.295") OD	
	76mm Long x 0.76mm ID Roctec 100	FTTS076762-100
	76mm Long x 1.02mm ID Roctec 100	FTTS102762-100
	76mm Long x 0.76mm ID Silverline*	FTTS076762-S
	76mm Long x 1.02mm ID Silverline*	FTTS102762-S

Silverline Nozzles sourced outside of USA



“Since we installed the Performance sludge removal system we have not had one hour of downtime due to cleaning of the waterjet bath.”

- Waterjet Operator (Wagga Wagga, NSW)

ACCESSORIES & HP COMPONENTS



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HP Tube &
Fittings

HP Filters
& Swivels

Low Press.
Water Filters

Coning &
Threading

Sacrificial
Products

ASR Parts

Waterjet
Servicing

Abrasive
Garnet



198 - HIGH PRESSURE TUBING & FITTINGS - 66,000 PSI

Stainless Steel HP Tubing (316SS)	Description	Part No.	
	PWJ offers 1/4", 3/8" and 9/16" Austenitic cold drawn, stainless steel tubing in straight lengths. Performance Waterjet will cut to length and cone and thread to specified lengths as required. 66,000 psi rated		
	1/4" x .083" x 8000mm length	400090-1-1	
	3/8" x .125" x 6000mm length	400090-2-1	
	9/16" x .188" x 6000mm length	400090-3-1	
	Stainless Steel Whipline	Part No.	
	1/4" x .083 x 480" (11,684mm Coil) length 66,000 psi rated	400090-1-460	

HP Gland Nut	Description	Part No.	KMT Part No.
	1/4"	400005-1	1007 8459
	3/8"	400005-2	1007 8129
	9/16"	400005-3	1007 8608

HP Collar	Description	Part No.	KMT Part No.
	1/4"	400006-1	1007 8426
	3/8"	400006-2	1007 8715
	9/16"	400006-3	1007 9119

HP Plug	Description	Part No.	KMT Part No.
	1/4"	400007-1	1007 8244
	3/8"	400007-2	1007 9523
	9/16"	400007-3	1007 8772

HP Adaptor 2pc.	Description	Part No.	KMT Part No.
	1/4"M x 3/8"F	400008-2	1007 9473
	3/8"M x 1/4"F	400008-1	1007 9432
	3/8"M x 1/4"F, One Piece	400008-1-1	2044 6691
	3/8"M x 9/16"F	400008-3	1007 9655
	9/16"M x 1/4"F		1007 9580
	9/16"M x 3/8"F	400008-4	1007 9457

HP Coned Insert	Description	Part No.	KMT Part No.
	1/4"	400013-1	1011 6333
	3/8"	400013-2	1007 8509
	9/16"	400013-3	1007 9291

HP Bulk Head Fitting	Description	Part No.	KMT Part No.
	3/8"	400014-2	1007 8160
	9/16"	400014-3	1007 9705

Gland Assembly - 1/4, HP, Anti Vibrating	Description	Part No.	KMT Part No.
	Gland Assembly - 1/4, HP, Anti Vibrating		1007 8699

Coupling Assembly, 66K	Description	Part No.	KMT Part No.
	Coupling Assembly, .56 X .38, F/F, 66K		1007 9531

Coupling Assembly - HP/HP, .38 x .25	Description	Part No.	KMT Part No.
	Coupling Assembly - HP/HP, .38 x .25		1007 9614

HP Straight Coupling	Description	Part No.	KMT Part No.
	1/4"	400011-1	1007 9028
	3/8"	400011-2	1007 8905
	9/16"	400011-3	1007 8640

HP Nipple 1/4"OD	Description	Part No.	KMT Part No.
	2.75" Long		1006 6520

HP Nipple 3/8"OD	Description	Part No.	KMT Part No.
	2.75" Long		0505 0554
	3" Long	400010-3	1009 4704
	4" Long	400010-4	1010 5443
	6" Long	400010-6	1009 4217
	6.75" Long		0502 8030

Custom length tube made to order - Please call 1300 722 559

HP Nipple 9/16"OD	Description	Part No.	KMT Part No.
	3.0" Long		0501 0822
	4.0" Long		1006 9326
	4.18" Long		0514 5297
	4.97" Long		0511 2057
	5.38" Long		1017 9083
	9.25" Long		4989 5642
	9.81" Long		0510 6794
	10.13" Long		0510 5473
	10.69" Long		0510 9939
	16.34" Long		2042 9847

HP Cross	Description	Part No.	KMT Part No.
	1/4"		1009 7228
	3/8"	400071-2	1007 8038
	9/16"		1007 9168

HP Elbow	Description	Part No.	KMT Part No.
	1/4"	400009-1	1007 9051
	3/8"	400009-2	1007 8780
	9/16"	400009-3	1007 8525

HP Tee	Description	Part No.	KMT Part No.
	1/4"	400012-1	1007 9481
	3/8"	400012-2	1007 8590
	9/16"	400012-3	1007 9465
	9/16 x 3/8", F/F-Run, SST		4983 0599

HP Tee	Description	Part No.	KMT Part No.
	1/4"	400012-1	1007 9481
	3/8"	400012-2	1007 8590
	9/16"	400012-3	1007 9465
	9/16 x 3/8", F/F-Run, SST		4983 0599

Repair Kit for Hand Valve	Description	Part No.	KMT Part No.
	Repair Kit for Hand Valve		0521 8652

HP Valve, 3 Way, 1 Pressure, .25	Description	Part No.	KMT Part No.
	HP Valve, 3 Way, 1 Pressure, .25		2044 7550

HP Valve Straight 2 Way	Description	Part No.	KMT Part No.
	1/4" HP Valve 66kpsi	400072-1	1007 9259
	3/8" HP Valve 66kpsi	400072-2	1007 8863
	9/16" HP Valve 66kpsi	400072-3	1007 8889

HP Valve Angle 2 Way	Description	Part No.	KMT Part No.
	1/4" 2 Way Ang, .66kpsi		1007 9002
	3/8" 2 Way Ang, .66kpsi		1007 8749
	9/16" 2 Way Ang, .66kpsi		1007 9275

HP Tubing Clamp Set	Description	Part No.	KMT Part No.
	1/4" HP Tubing	400082-1	2046 0282
	3/8" HP Tubing	400082-2	2046 0288

Stainless Steel HP Tubing (316SS)	Description	Part No.	
	PWJ offers 1/4" and 3/8" Austenitic cold drawn, stainless steel tubing in straight lengths. Performance Waterjet will cut to length and cone and thread to specified lengths as required. 100,000 psi rated		
	1/4" x .083" x 6000mm length	490090-1-1	
	3/8" x .125" x 6000mm length	490090-2-1	

UHP Nipple 1/4"OD	Description	Part No.	KMT Part No.
	2.75" Long		2048 7960
	4.0" Long		2048 7975

UHP Nipple 3/8"OD	Description	Part No.	KMT Part No.
	4.0" Long		2047 8649
	4.81" Long		2046 8830
	5.0" Long		2047 8653

UHP Nipple 9/16"OD	Description	Part No.	KMT Part No.
	4.0" Long		2048 5274
	6.0" Long		2048 1092

UHP Elbows, 90D	Description	Part No.	KMT Part No.
	UHP Elbow, 1/4", 90D		2045 5821
	UHP Elbow, 3/8", 90D		2045 5809
	UHP Elbow, 9/16", 90D		2045 5377

UHP Tee, 1/4"	Description	Part No.	KMT Part No.
	UHP Tee, 1/4"		2045 5824

UHP Tee, 3/8"	Description	Part No.	KMT Part No.
	UHP Tee, 3/8"		2045 5812

UHP Coupling, 1/4"	Description	Part No.	KMT Part No.
	UHP Coupling, 1/4"		2047 7023

UHP Coupling, 3/8"	Description	Part No.	KMT Part No.
	UHP Coupling, 3/8"		2047 7660

UHP Coupling, 1/4" x 3/8"	Description	Part No.	KMT Part No.
	UHP Coupling, 1/4" x 3/8"		2047 7738

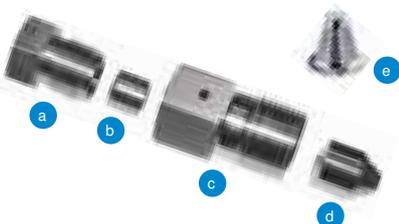
UHP Bushing	Description	Part No.	KMT Part No.
	UHP Bushing, 3/8"F x 1/4"M		7213 3175
	UHP Bushing, 1/4"F x 3/8"M		7213 3224
	UHP Bushing, 1/4"F x 9/16"M		7213 3232
	UHP Bushing, 3/8"F x 9/16"M		7213 3250

Coupling Assembly, HP Bulkhead	Description	Part No.	KMT Part No.
	Coupling Assembly, HP Bulkhead - 9/16 x 3/8		4983 0581
	(Suits KMT Jetline)		

Inline Filter Assembly	Description	Part No.	KMT Part No.
	1/4" Inline Filter Assembly	301010-1	2045 8311
	3/8" Inline Filter Assembly	301010-2	2045 8308

Inline Filter Housing	Description	Part No.	KMT Part No.
	Inline Filter Housing	100063-1	2045 7291

Inline Filter Screen	Description	Part No.	KMT Part No.
	Used in 301010-X	400052-1	2046 0039

Short Stop Filter Assembly	Description	Part No.	KMT Part No.
	Short Stop Filter Assembly 3/8" M x 1/4" F	301026-3	
	(a) Gland Nut 1/4"	400005-1	1007 8459
	(b) Collar 1/4"	400006-1	1007 8426
	(c) Short Stop Filter Body	100157-2	
	(d) Adapter Insert	100192-1	
	(e) Short Stop Filter .006	400096-1	

Short Stop Filter Assembly	Description	Part No.	KMT Part No.
	Short Stop Filter Assy w/Adapter 1/4" M x 1/4" F	301026-5	
	Short Stop Filter Assembly 3/8"	301026-2	2045 4366
	Short Stop Filter Adaptor Body	100157-1	2045 4288
	Short Stop Filter .006"	400096-1	2045 4426

HP Water Filter Assembly	Description	Part No.
	1/4" Water Filter Assembly	0511 4137
	3/8" Water Filter Assembly	CJ20 0988
	9/16" Water Filter Assembly	BF10 3473

HP Filter Seat Washer	Description	Part No.
	Component of BF103473 Filter Assembly.	
	1.06 x .63	BF80 3473

HP Filter Element Retainer	Description	Part No.
	.38 Water	SKJA286

HP Water Filter Element	Description	Part No.
	Filter Element to suit 1/4" 05114137 Filter.	0511 0531
	20 Micron	

HP Water Filter Element	Description	Part No.
	Filter Element to suit 3/8 CJ200988 Filter.	SKJA266
	20 Micron	

HP Water Filter Element Assy.	Description	Part No.
	Filter Element to suit BF103473 9/16" HP Water filter.	AF50 3473
	Sintered, 20M	

Seal Head, HP Filter 9/16, Out	Description	Part No.
	Seal Head, HP Filter 9/16, Out	AF303473

Seal Head, HP Filter 9/16, Inlet	Description	Part No.
	Seal Head, HP Filter 9/16, Inlet	AF403473

HP Swivel Joint Assembly	Description	Part No.
	Female / Female Connection 1/4", 90°, F/F	CJ21 8188
	Male / Female Connection 1/4", 90°, M/F	CJ20 1288
	Straight Male / Female Conn. 1/4", Straight, M/F	CJ21 1388

Swivel Rebuild Kit	Description	Part No.
	1/4" Swivel Rebuild Kit consists of 1 each: Seal assembly BJ201388, Set screw 10103505, 600 grit emery cloth 10149045, Thrust bearing & 2 Thrust washers.	
	1/4"	0511 6009

Swivel Joint Seal Assembly Seal	Description	Part No.
	HP Swivel Component	BJ20 1388

Swivel Assembly, Single Axis	Description	Part No.
	Swivel Assembly, Single Axis, Parallel 60k PSI	C-5152-1

Swivel Maintenance Kit	Description	Part No.
	Swivel Maintenance Kit	B-7447-1

Swivel Assembly, Double Axis	Description	Part No.
	Swivel Assembly, Double Axis, 90d 87k PSI	014922-1

Swivel Maintenance Kit, 87K	Description	Part No.
	Swivel Maintenance Kit, 87k PSI, 1/4"	015093-1

Swivel Assembly 60k	Description	Part No.
	Swivel Assembly, Str 60k PSI	B-5490-1

Swivel Maintenance Kit	Description	Part No.
	Swivel Maintenance Kit, 1/4"	B-5910-1
Inline 1/4" HP Swivel	Description	Part No.
	Inline 1/4" HP Swivel	12607
90 Degree 1/4" HP Swivel	Description	Part No.
	90 degree 1/4" HP Swivel	12606
Swivel - 1/4 x 1/4 F-F	Description	Part No.
	Swivel - 1/4 x 1/4 F-F	12863
1/4" Dual 90 Degree HP Swivel	Description	Part No.
	1/4" Dual 90 degree HP Swivel	13123
90 Degree 3/8" HP Swivel	Description	Part No.
	90 degree 3/8" HP Swivel	12604
Inline 3/8" HP Swivel	Description	Part No.
	Inline 3/8" HP Swivel	12605
1/4" Minor Swivel Repair Kit	Description	Part No.
	1/4" Minor Swivel Repair Kit	12608
	To suit 12606 & 12607	

1/4" Major Swivel Repair Kit	Description	Part No.
	1/4" Major Swivel Repair Kit	12609
	To suit 12606 & 12607	

3/8" Minor Swivel Rebuild Kit	Description	Part No.
	3/8" Minor Swivel Rebuild Kit	12610
	To suit 12604 & 12605	

3/8" Major Swivel Repair Kit	Description	Part No.
	3/8" Major Swivel Repair Kit	12611
	To suit 12604 & 12605	

1/4" Minor Swivel Repair Kit	Description	Part No.
	1/4" Minor Swivel Repair Kit	12864
	To suit 12863	

1/4" Swivel Rebuild Kit	Description	Part No.
	1/4" Swivel Rebuild Kit	F300-A0139-0000

	Description	Part No.
		F300-A0118-0000

208 - LOW PRESSURE WATER FILTERS

Filter Housings	Description	Part No.
	3/4" Standard Inlet/Outlet - 10"	400023FH10
	with Bracket	400023FH10B
	3/4" Standard Inlet/Outlet - 20"	0503 8690
	1" High Flow Inlet/Outlet - 10"	400023MFH10

Stainless Filter Housing 10"	Description	Part No.
	Stainless bowl 142 PSI rated	400023FH-10-SS

Carbon Filter Assembly - 20"	Description	Part No.
	Filter Assembly with 1x Particle Filter & 1x Carbon Block Filter, includes bracket & 3x pressure gauges	400023-20-CFA
	20" Particle Filter Cartridge	400023-20-PFC
	20" Carbon Block Filter Cartridge	400023-20-CFC
	Carbon Filter installation removes excessive chlorine which causes corrosion of components.	

Filter Cartridge Standard - 20"	Description	Part No.
	20" x 0.5 mic	400023-20-05
	20" x 1 mic	400023-20-1
	20" x 10 mic	400023-20-10

Filter Cartridge Standard - 10"	Description	Part No.
	10" x 0.5 mic	400023-1-05
	10" x 1 mic	400023-1-1
	10" x 5 mic	400023-1-5
	10" x 10 mic	400023-1-10
	10" x 40 mic	1010 0782

Filter Cartridge Pleated - 10 & 20"	Description	KMT Part No.
	10" x 1 mic	400023-1-1P
	10" x 10 mic	400023-1-10P
	20" x 1 mic	400023-20-1P
	20" x 10 mic	400023-20-10P

Pressure Gauge 0 - 100,000 PSI	Description	Part No.
	0 - 100,000 PSI, 1/4" HP Bottom Entry, 4.25" Dia. Face	2044 3831

Pressure Gauge 0 - 100,000 PSI	Description	Part No.
	0 - 100,000 psi, 1/4" HP Bottom Entry, 6.5" Dia. Face	0512 5836

Pressure Gauge - Bottom Mount	Description	Part No.
	0 - 200 psi, SST, 1/4"	0504 4052

Pressure Gauge - Back Mount	Description	Part No.
	0 - 200 psi, SST, 1/4" With Panel Mount Bracket	0513 9506

Pressure Gauge - Bottom Mount	Description	Part No.
	0 - 5000 psi, SST, 1/4" O-Ring	0504 5497

Anti Backflush Valve	Description	Part No.
	Garnet Feed Backflush Preventer	PWJABV

210 - LUBRICANTS & THREAD COMPOUNDS

Blue Anti Galling Lubricant	Description	Part No.	KMT Part No.
	2 oz. tube	400001-1	20460486
Pure Goop	Description	Part No.	KMT Part No.
	Grease - Thread Lube 1 OZ (Ounce)		10084440
O-Ring Lubricant	Description	Part No.	KMT Part No.
	4 oz. tube	400015-1	10087385
O-Ring Lubricant	Description	Part No.	KMT Part No.
	2 grams	400034-1	20456379
Food Grade Lubricant	Description	Part No.	KMT Part No.
		400034-2	20456382
Grease - HP Cylinder	Description	Part No.	KMT Part No.
	Grease - HP Cylinder (FDA Approved)		10087385
Thread Locker	Description	Part No.	KMT Part No.
	ADH Thread Locker		20487868
	Primer - Thread Locker		20494983

H20JET Coning, Threading & Bending Tools	Description	H20JET Part No.
	H20JET Coning, Threading & Bending Tool Kit for HP Tubing 1/4" 3/8" 9/16"	302025-1
	Threading Kit - 1/4", 3/8", 9/16" HP Tube	302024-1
	Coning Kit - 1/4", 3/8", 9/16" HP Tube	302026-1
	Bending Kit - 1/4", 3/8" HP Tube	302027-1

H20JET Hand Coning Bits	Description	Part No.
	Coning Bit 1/4", Single Blade	400029-2
	Coning Bit 3/8", Single Blade	400029-3
	Coning Bit 9/16", Single Blade	400029-4

H20JET Hand Threading Dies	Description	Part No.
	Die for 1/4" Autoclave Threading tool	400118-1
	Die for 3/8" Autoclave Threading tool	400118-2
	Die for 9/16" Autoclave Threading tool	400118-3
	Thread Die, 1/4" 94K UHP -24 LH, 1.5" OD	490118-1

Bushing, H20JET Threading Tool	Description	H20JET Part No.
	Bushing, 1/4", H20JET Threading Tool	100280-1
	Bushing, 3/8", H20JET Threading Tool	100280-2

H20JET Collets, 1/4", 3/8" & 9/16"	Description	Part No.
	Collet, 1/4" Coning Tool, H20JET	400029-5
	Collet, 3/8" Coning Tool, H20JET	400029-6
	Collet, 9/16" Coning Tool, H20JET	400029-7

H20JET Coning Blades	Description	Part No.
	Coning Blade 1/4" (H20JET)	400136-1
	Coning Blade 3/8" (H20JET)	400136-2

212 - HAND CONING & THREADING TOOLS

Hand Coning Tool	Description	Part No.	
	1/4" (6.35mm)	0510 8832	
	3/8" (9.52mm)	0510 8857	
	9/16" (14.27mm)	0510 8840	
Coning Blade - Hand	Description	Part No.	
	1/4" - Coning Blade	0510 8808	
	3/8" - Coning Blade	0510 8824	
	9/16" - Coning Blade	0510 8816	
Coning Tool Collet	Description	Part No.	
	1/4" - Coning Collet	0510 8972	
	3/8" - Coning Collet	0510 8964	
	9/16" - Coning Collet	0510 8956	
Hand Thread Tool	Description	Part No.	
	1/4" (6.35mm)	0510 8865	
	3/8" (9.52mm)	05108873	
	9/16" (14.27mm)	05108881	
Threading Die	Description	Part No.	
	1/4" - Thread Die	0510 8899	
	3/8" - Thread Die	0510 8915	
	9/16" - Thread Die	1007 8310	
Threading Tool Collet	Description	Part No.	
	1/4" - Threading Collet	0510 8741	
	3/8" - Threading Collet	0510 8758	
	9/16" - Threading Collet	0510 8766	
Tube Clamps	Description	Part No.	
	High Pressure Tube Soft Jaw Clamps		
	1/4" (6.35mm)	0510 8782	
	3/8" (9.52mm)	0510 8790	
	9/16" (14.27mm)	0510 8774	
Sulflo #1, Coning & Threading Oil	Description	Part No.	KMT Part No.
	Sulflo #1 Coning & Threading Oil	H20 400120-1	05120472

Power Coning & Threading Toolkit	Description	Part No.
	Power Coning & Threading Toolkit for HP Tubing 1/4" and 3/8"	8884 4631
	Attach tools to your battery drill to cone and cut threads quickly and efficiently Includes: 1/4" and 3/8" Coning Tools 1/4" and 3/8" Threading Tools 1/4" and 3/8" Tube Clamps Thread Cutting Oil x 2 1/4" Gland Nuts x 10 3/8" Gland Nuts x 10 1/4" Collars x 10 3/8" Collars x 10	
Power Coning Tool	Description	Part No.
	HP Tube Power Coning Tool (Use with Power Drill)	
	1/4" (6.35mm)	0510 9897
	3/8" (9.52mm)	0510 9889
Coning Blade - Power	Description	Part No.
	1/4" - Coning Blade	0510 8808
	3/8" - Coning Blade	0510 8824
Coning Tool Collet	Description	Part No.
	1/4" - Coning Collet	0510 9814
	3/8" - Coning Collet	0510 9822
Power Thread Tool	Description	Part No.
	HP Tube Power Threading Tool (Use with Power Drill)	
	1/4" (6.35mm)	0512 2742
	3/8" (9.52mm)	0512 0258
Threading Die	Description	Part No.
	1/4" - Thread Die	0510 8899
	3/8" - Thread Die	0510 8915
Threading Tool Collet	Description	Part No.
	1/4" - Threading Collet	0510 8741
	3/8" - Threading Collet	0510 8758
Tube Clamps	Description	Part No.
	High Pressure Tube Soft Jaw Clamps	
	1/4" (6.35mm)	0510 8782
	3/8" (9.52mm)	0510 8790

SLAT RUBBER

Duratect Slat Rubber fits onto all standard 3.0mm metal slats to protect materials such as glass and stone from scratches caused by metal sacrificial slats.

Slat Rubber	Description	Part No.
	Slat Rubber	
	50m Rolls	PWJSR01
	Lifting Arm Rubber to suit Techjet Lifting Arms	
	50m Rolls	PWJLAR01

Call Us Today for your free sample of Slat Rubber 1300 722 559

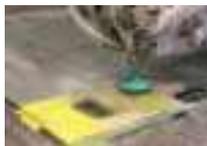
DIAMOND GUARD

Diamond Guard	Description	Part No.
	Diamond Guard Glass Protection Film protects the underside of your glass from rebounding abrasive. 1) Fast & Easy to Apply 2) Leaves No Adhesive Residue on the glass	
	Yellow Glass Protection Tape	
	96mm wide x 66m roll x 95um	DIAGAR
	96mm wide x 66m roll - Carton of 18 rolls	DIAGAR-C
	Clear Glass Protection Film	
	610mm wide x 100m roll x 50um	DG345-610-100
	1220mm wide x 100m x 50um	DG345-1220-100
	Clear Stone Protection Film	
	650mm wide x 100m roll x 70um	DG345S-650-100
	"This is an excellent product! I have told my guys to use nothing else. It goes on every bit of glass and we have totally eliminated all spray back issues caused by the abrasive." - Glass Processor (Adelaide, SA)	

Call Us Today for your free sample of Diamond Guard 1300 722 559



APPLY



CUT



PEEL OFF



PERFECT FINISH

ABRAPANEL

Abrapanel is a sacrificial cutting surface ideally suited for applications which involve cutting of small components and very thin materials.

ADVANTAGES

- 1) Provides an ideal surface for cutting small parts.
(Parts are retained on board instead of falling through into tank.)
- 2) Acts as an excellent energy absorber and reduces splashback and abrasion of the underside of materials.
- 3) Reduces potential for warping in thin materials.
- 4) Can be easily repaired when subjected to repeated cuts.



About Abrapanel

Abrapanel is manufactured from a polypropylene honeycomb core sheet comprised polyolefin straws bonded into a hexagonal matrix to form a 2" thick sheet.

Abrapanel provides an ideal waterjet cutting surface for operators who need to cut rubber or very thin materials and small parts.



Part No.	Description
ABRPAN	Sacrificial Waterjet Cutting Surface 1220 x 610 x 50mm Sheet

Interested?

Call our office and we will send you a free sample so that you see the benefits of *Abrapanel* for your operation.

ASR PARTS

Graco 1050 Seal Kit Geolast	Description	Part No.
	Graco 1050 Seal Kit Geolast	24B633
Graco 1050 Ball Kit Geolast	Description	Part No.
	Graco 1050 Ball Kit Geolast	24B641
Graco 1050 Diaphragm Kit	Description	Part No.
	Graco 1050 Diaphragm Kit	24B623
Pinch Valve ASR	Description	Part No.
	1 1/4" Pinch Valve Assembly	AP6208
	Replacement Pinch Tube to suit 1 1/4" Pinch Valve	AP6713
	3/4" Pinch Valve Assembly	AP6206
Flap Valve Repair Kit	Description	Part No.
	Flap Valve Repair Kit	SS-338.014.360

SPLASH GUARDS

Splash Guard to suit Flow style & IDE nozzles	Description	Part No.
	Splash Guard	
	Ultra Tough Urethane Splash Guard	
	80mm Diameter (suits all nozzle sizes)	SG1000

Splash Guard to suit all nozzle sizes	Description	Part No.
	Flexi Guard	
	55mm Dia. - Suits all nozzle styles	400222-1

Splash Guard to suit Omax style nozzles	Description	Part No.	
 	Splash Guard	13727	
	8.0mm Nozzle Diameter (306438)	13727	
	Foam Splash Guard		
	Suits all Omax & Maxi-em nozzle styles	13182	

HIGH PRESSURE
TUBE & FITTINGS

HP FILTERS

HP SWIVELS

PRESSURE
GAUGES

HAND CONING
& THREADING

POWER CONING
& THREADING

ABRAPANEL

SPLASH GUARDS

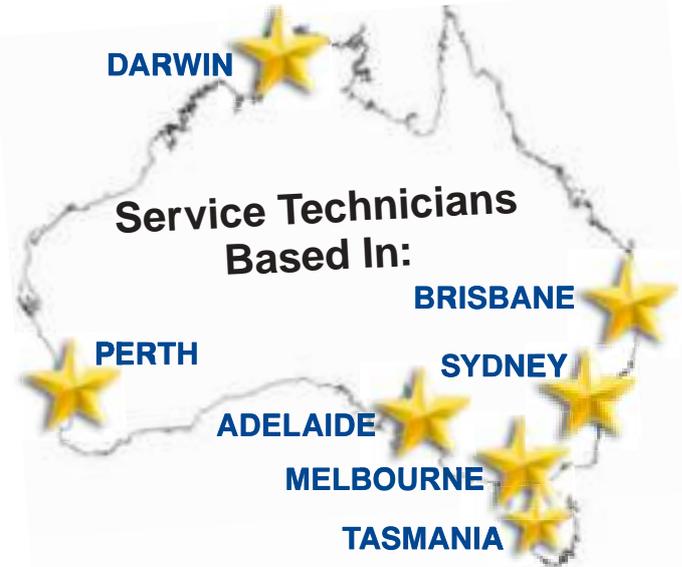
WATERJET
GARNET

WATERJET SERVICING

Are you looking for experienced people who can keep your equipment running smoothly?

At Performance Waterjet, we have a team of highly trained waterjet cutting specialists who can help you minimise unexpected downtime by keeping your equipment running smoothly.

All equipment being serviced by Performance Waterjet is thoroughly inspected and any recommendations for adjustments are discussed with our customers. That's why we insist that every technician who works for us goes through a rigorous training program to become knowledgeable in all aspects of waterjet maintenance.



Benefit from the efficiency of working with specialists who have years of experience working with waterjet

Pin-point issues in the shortest time, purchase only the parts you need and be up and cutting whilst others are still figuring out the issue.

Increase Dependability: Preventative maintenance reduces the risk that your equipment may break down in the middle of a critical job. We will schedule an Automatic courtesy reminder that your system is due for preventative maintenance and work with you to schedule a time which minimises inconvenience.

Maximise uptime and longer service intervals as a result of having components installed correctly by trained tech's who understand the importance of correct component installation procedure.

Right First Time: Our techs carry highly specialised tools to ensure critical components are not damaged during installation.

Be informed of potential cost savings and gains in operational efficiency provided by our technicians.

Know what you are getting: Receive a comprehensive service report which will also highlight potential issues on items which may cause downtime in the future.

Records and Service History: Details of your equipment service are recorded so that our techs can check the history of your equipment and suggest solutions to rectify issues.

Some of the brands we service:

Flow & H2OJET Intensifier Pumps



KMT Intensifier & Direct Drive Pumps



BHDT / BFT High Pressure Pumps



Training of technicians at Performance Waterjet



HIGH PRESSURE
TUBE & FITTINGS

HP FILTERS

HP SWIVELS

PRESSURE
GAUGES

HAND CONING
& THREADING

POWER CONING
& THREADING

ABRAPANEL

WATERJET
SERVICING

WATERJET
GARNET

WATERJET GARNET



GMA Garnet is one of the world's most efficient waterjet abrasives in terms of cutting speed, abrasive consumption and uninterrupted cutting. GMA garnet grains are amongst the hardest and toughest minerals known today. This material has been weathered and eroded over thousands of years!

The geological formation of the GMA Garnet deposit has resulted in a unique concentration of extremely durable grains which deliver outstanding performance in waterjet cutting applications.

GMA waterjet garnet is passed through extensive processing to ensure the highest purity garnet and highly accurate sizing of grains. Careful screening ensures there is no dust or ineffective garnet grains and no oversize particles to block focussing tubes. A steady flow of garnet to the focussing tube with no blockages allows uninterrupted production, resulting in optimum efficiency and lowest production costs.

Stringent quality control at every stage of processing ensures the consistent high standard of waterjet abrasive that you would expect from the world's leading supplier of waterjet abrasive.

GMA Garnet consists of totally natural Almandite garnet known for its superior hardness and abrasive ability. GMA Garnet is free of any heavy metals or toxic compounds and meets all Occupational Health and Safety regulations. GMA Garnet provides a perfect balance of grain shape (sub angular) size and density.

GMA Garnet is extensively used in all renowned waterjet cutting machines the world over. Key benefits reported by GMA Waterjet users include:

- Production without downtime
- Greater productivity
- Greater efficiency
- Direct cost savings

Nothing matters as much as Performance...

GMA waterjet garnet is proven to be up to 10% harder than other garnets. That is why GMA is considered by many to be the world's best garnet, and is continuously used by thousands of waterjet cutters worldwide. Anyone who is serious about waterjet cutting would use GMA for maximum performance, simply because it's harder and more consistent than imported garnet brands.

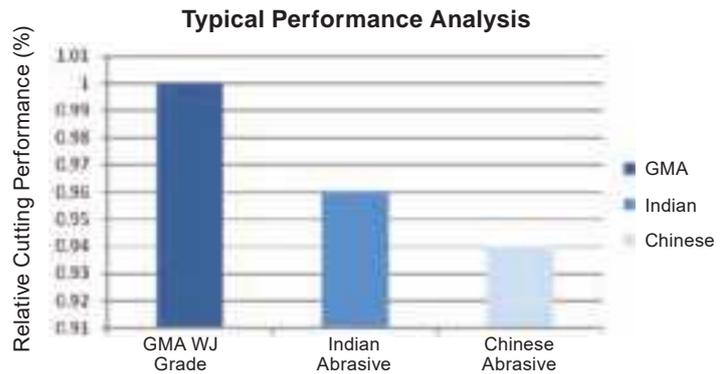
GMA garnet is marginally softer than diamonds; the world's hardest substance. That means that GMA garnet will give you optimum cutting performance.

Why You Should Be Cutting With GMA Garnet

1. GMA Cuts Faster

GMA waterjet garnet cuts faster than imported alluvial garnets.

*Source: Abrasives Comparative Performance Analysis in Abrasive Waterjet Cutting on a Variety of Materials



2. Multi Stage Wash Process

GMA's 4 stage wash process ensures all silt is removed before screening. Silt retained in garnet makes the waterjet tank very muddy and can cause issues with staining of materials being cut.

3. Stringent Screening Process

No foreign debris and no oversized grains ensuring your equipment performs continuously with uninterrupted production.



4. Large Stocks Available

Available from warehouses in all Australian capital cities for immediate delivery.



5. Two Choices of Packaging Types to Suit Your Requirements



25kg paper bags inside 1 tonne bulk bags



Loose material in 1 tonne bags with bottom feed spout

6. Australian Product

GMA Garnet is an Australian product, sourced from Port Gregory in WA, providing Australian jobs for Australians. GMA Garnet is internationally recognised as being the global benchmark for waterjet cutting abrasive.





1 - GMA Garnet deposit

2- PWJ maintains large stocks of waterjet garnet in strategic locations

3 - Stringent quality control at every stage of processing ensures a consistent high standard for uninterrupted productivity

4 -Magnified GMA Garnet Gemstone Grains

5 -GMA Garnet Mine Truck

Waterjet Garnet Optimum Setup

GMA Garnet offers a choice of grade to match any focusing tube and orifice for any given cutting application. GMA Garnet 80 WJ, the most popular waterjet abrasive grade used worldwide, delivers the optimum balance of cutting speed and precision edge. Where a high precision and minimum tolerance edge is required, we recommend GMA 120 WJ. Please refer to the table below for the correct

combinations of GMA Garnet grades, focusing tube and orifice dimensions to suit your particular waterjet cutting requirements.

Stock Available Near You:

- Adelaide
- Brisbane
- Melbourne
- Sydney
- Townsville
- Tasmania

GMA Waterjet Grades

	Grade	Focusing Tube	Orifice
High Speed Cutting	80 mesh 300 - 150 micron	0.040" 1.02mm	0.013 - 0.014" 0.330 - 0.356mm
High Precision Edge	80 mesh 300 - 150 micron 120 mesh 200 - 100 micron	0.030" 0.91mm	0.010 - 0.014" 0.305 - 0.330mm
Super Fine Precision Edge	120 mesh 200 - 100 micron	0.030" 0.76mm	0.010 - 0.011" 0.254 - 0.279mm

EQUIPMENT



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Waterjet
Machines

HP Pumps

Cutting
Heads

Chillers

Vacuum
Lifters

Abrasive
Control

Software
Programs



Flow | Mach 100

Efficiency at Exceptional Value.

The Flow Mach 100 is an industrial waterjet machine - the perfect platform for operators looking to integrate the versatility of waterjet cutting into their process at a cost-effective price. Whether your application is to cut stainless steel, aluminium, rubber, plastics, cement sheet or mild steel, the Mach 100 is an extremely versatile workhorse for day to day operations.



Paser 4 Cutting Head

The Mach 100 features a Paser 4 cutting head which delivers maximum cutting speed.

Featuring a superior orifice design, the Paser head increases component life between 3–6 times over earlier generations & competing cutting heads.

Longer-lasting parts means more run-time between maintenance intervals and lower inventory carrying costs, which leads to a **lower overall operating cost**.



Operating Platform

Built with a solid work platform, the Mach 100 is built to withstand the rigours of your day-to-day production, enabling workpiece loads of up to 400kg per square meter of table area.

Standard Mach 100 waterjet table sizes include:

- 1300mm x 1300mm
- 3100mm x 2000mm
- 4000mm x 2000mm

Garnet Delivery System

The Paser 4 garnet delivery system eliminates abrasive clogging and surging by delivering the precise amount of abrasive required to the cutting head for consistent cutting performance.

High Pressure Pump

The Hyplex Prime pump represents the next generation of energy efficient, direct drive ultra high pressure waterjet pumps. The Hyplex's direct drive delivers superior ratio of input energy to cutting output.

Precision Motion System

The Mach 100's ball screw and digital drive motion system provides premium accuracy and long life. Automatic lubrication of all three ball screws ensures moving components are kept in optimum condition.

Linear accuracy +/- 0.13mm/ m
Repeatability +/- 0.064mm

Industrial Chiller (Optional)

An industrial chiller is an important component of a waterjet system. The chiller pre-cools the incoming water supply to a consistent supply temperature to maximise component life and service interval.

Flow | Mach 200

Elevate Expectations.

The Mach 200 is specifically engineered to deliver value, reliability, and performance. The system is purposefully crafted to be a practical and flexible waterjet solution, featuring tried and proven genuine Flow technology.

Specifically designed for the stone, engineering and fabrication industries, the Mach 200 waterjet system represents the very best in waterjet technology.

Capabilities include the ability to work with a full spectrum of materials including stone, aluminium, stainless steel, glass and carbon fibre, making the Mach 200 is an extremely versatile asset for any production facility. The addition of the Pivot Plus bevel cutting head delivers capability to create bevel cuts up to 60 degree angles and cut parts with complex geometry.

Mach 200's ability to integrate seamlessly with almost any production environment makes it a preferred waterjet solution for operators looking to generate higher ROI and increase workshop efficiencies.



Pivot Plus Cutting Head (Optional)

Pivot+ Waterjet delivers multi-axis, taper compensation cutting for accuracy and flexibility. Designed by the same engineers who developed Dynamic Waterjet® XD (the world's premier 5-axis cutting solution), Pivot+ is a robust, compact cutting head that maximizes return on investment. Boasting up to 60 degrees of motion and an IP67 rating, Pivot+ is made to withstand daily, rigorous use in harsh environments.



Ultra Pierce Vacuum Assist (Optional)

Flow's patented UltraPierce™ Vacuum Assist technology provides reliable piercing of brittle and laminated materials such as marble, stone, glass, and composites. Fragile materials such as these tend to form craters, cracks, or break during high pressure piercing.

Mach 200 Controller

Take your control console with you as you work!

The Mach 200 has a mobile control console with a 17" screen which gives the flexibility to move freely about your waterjet as required.



Standard Mach 200 waterjet table sizes include:

- 1300mm x 1300mm
- 3100mm x 2000mm
- 4000mm x 2000mm
- 7300mm x 2000mm



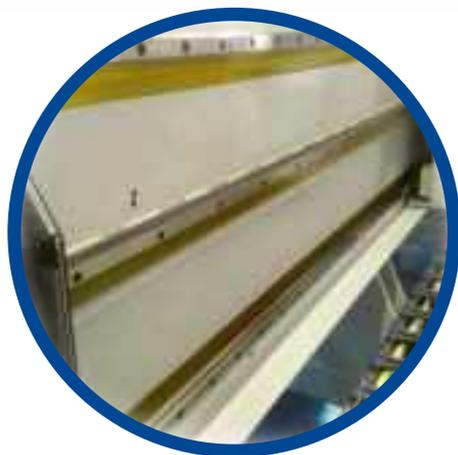
Precision Motion System

The Mach 200 cuts with remarkable accuracy and speed, driving overall part processing times down, and your production up. Industry leading digital ball screw drive system ensures smooth motion across the table for accurate and precise cutting. Big table, fine details – combined with easy to use software for the ideal large format cutting solution.

Linear Straightness accuracy: ± 0.095 mm / m

Repeatability: ± 0.064 mm

Cut large parts and heavy materials with ease on the Mach 200.



Flow | Mach 500

World's Fastest Waterjet.

Flow's Mach 500 is a top-of-the-line waterjet machine that is unrivalled in features, accuracy and cutting speed.

With 87,000psi Mach 500's astounding cut speed drives overall part processing times down and your production up. This makes it an ideal waterjet solution for improving the profitability of almost any company in the manufacturing industry.

Mach 500 is available in a range of popular sizes and is designed with many advanced options including the Dynamic Waterjet head, 5 Axis, Dual Gantry and Multiple cutting heads to allow production to escalate to new levels. Engineered for superior longevity and speed, the Mach 500 is a perfect fit for operators who depend on waterjet as a critical dependency for continuous production.



Hyperjet 87,000 psi Pump

At the heart of the Mach 500 waterjet system is Flow's Hyperjet 87,000psi intensifier pump.

Increasing the pressure from 60,000psi to 87,000psi means cutting speed can be increased by more than 40% resulting in substantial increases in output and a reduced cost per part.



Your Choice of Cutting Head...

Paser 4 Waterjet Cutting Head

Featuring a superior orifice design, the Paser head increases component life between 3–6 times over earlier generations & competing cutting heads.

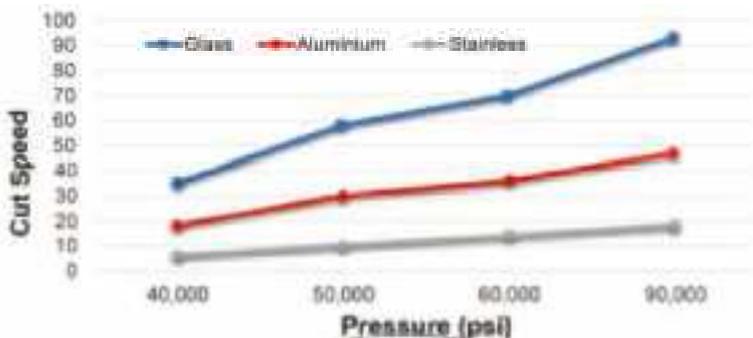


Dynamic Waterjet Head

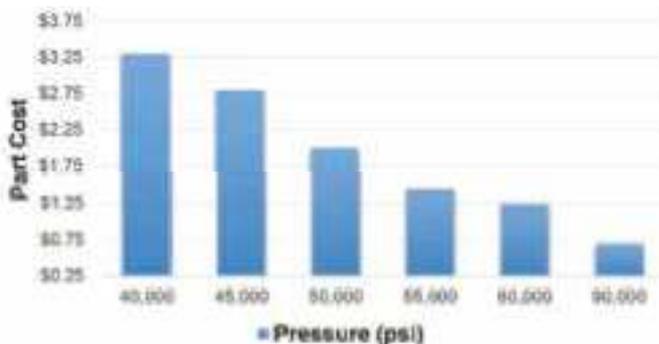
Flow's Dynamic Waterjet with Active Tolerance Control uses SmartStream technology and tilts the waterjet head into the cut direction to eliminate stream lag. The result is the ability to **produce accurate parts 2 - 4 times faster** than a conventional waterjet system.

Why 87,000 PSI?

Impact of Pressure on Cut Speed



Impact of Pressure on Part Cost



Dual carriage systems available for high production operations to allow simultaneous cutting on both sides of the waterjet table.

5 Axis Cutting Head

The Mach 500 Series waterjet cutting systems feature Flow's newest Dynamic Waterjet technology with Advanced Beveling and 3D capabilities. Flow's revolutionary Dynamic Waterjet XD provides for up to 60° of motion that gives you the ultimate in accuracy, speed, and flexibility.



Flow HYPLEX

55,000 psi direct drive HP Pump

Representing the next generation of energy efficient, direct drive ultra-high pressure waterjet pumps, the Hypelex's direct drive delivers a superior ratio of input energy to cutting output.

For operators looking for high output and optimum energy efficiency, the Hypelex Prime is an ultra efficient direct drive pump that is ideal for operators who have a focus on cutting more per day at the lowest cost.



Energy-Water
Efficient

Suitable for use in demanding environments, the Hypelex Prime is a robust and dependable platform which delivers maximum cutting performance with the benefit of low power consumption. The Hypelex Prime features a fixed speed pump coupled with a pressure control valve. This fixed speed design maximizes high pressure tubing and seal life.

Technical Data

MODEL	HYPLEX PRIME 30
Motor Size	30 HP / 22 kw
Operating Pressure	55,000 psi / 3800 bar
Water Volume	3.2 litres / minute

Flow HYPERJET

87,000 psi SEVERE DUTY HP Pump

The next generation of revolutionary waterjet cutting pumps, powering the world's fastest waterjet.

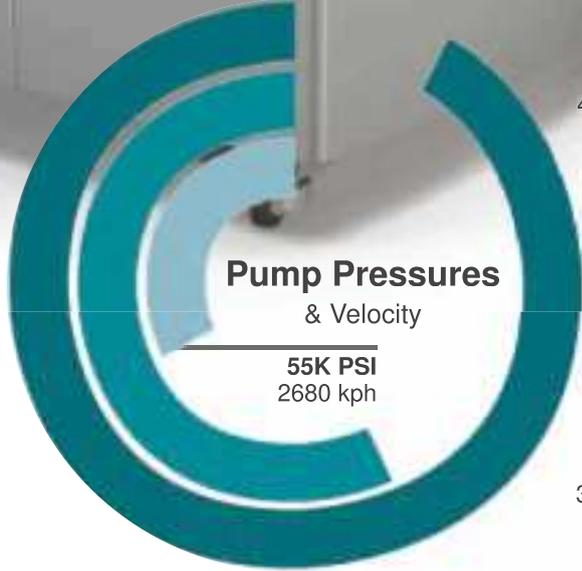
The Hyperjet ultra high pressure pump is capable of a continuous output of 87,000psi (6,000bar), and offers increased productivity, maximised workshop efficiency and greater return on investment.

The Hyperjet Pump will significantly increase cutting productivity by one third over industry standard 60,000psi (4,137 bar) / 50hp pumps.

Available in 50 and 100HP versions, the Hyperjet incorporates many leading features including the patented long life seal cartridge which delivers the world's longest service intervals, built in diagnostic intelligence and full electronic pressure control.



87K PSI
4105 kph



Industry Leading Pump Technology from Flow

PRESSURE = PRODUCTIVITY

The higher the pressure, the more parts cut - resulting in lower cost per part.

55K	60K	94K
\$\$\$	\$\$	\$

60K PSI
3280 kph

KMT HP PUMPS

Leading with proof - over 6000 systems & still going

KMT is a world leader in the design, testing and manufacture of high pressure pumps for waterjet cutting systems. When you need proven, dependable pump technology which can smoothly deliver ultra high pressure water for the most demanding production schedule... waterjet table manufacturers all over the world turn to KMT.



KMT Waterjet Head Office - Baxter Springs, Kansas, USA

Triline Direct Drive Pump

Simple. Cost effective. Energy efficient.

Dependable, energy efficient solution for operators concerned with minimising their carbon footprint.

The Triline is an energy efficient direct drive pump which has a pressure range of 55,000 psi. Boasting precision 90,000 psi seal and check valve technology, the KMT Triline pump features a simple design for reliability during production and easy maintenance.



Jetline Intensifier Pump

Dependable. Reliable. High output.

For continuous output in demanding environments.

The secret which sets the KMT Jetline Pump above other brands is the superior engineering of the intensifier, which makes the Jetline one of the most dependable, high output pump in use by any waterjet system operators today. With a continuous output of 55,000 psi, (produced by a single intensifier), the Jetline is a dependable workhorse which will give you the benefit of cutting more product per hour.



Streamline Pro 90K Pump

Extreme production. Maximum output.

For operators who are serious about increasing their production, profits & competitive edge.

The Streamline PRO range is the next generation of revolutionary waterjet cutting pumps, which boasts 90,000 psi in operating pressure, which gives operators the ability to cut faster, use less abrasive, decrease running costs and lower cost-per-part - the best solution for operators who require maximum performance.



Narrower water stream for improved edge quality & less material waste.



Faster, narrower cut for more parts per day & a lower cost per part.



More parts per day means higher output & profits.

NO OTHER HEAD IN THE MARKET LIKE THE IDE!

IDE III Cutting Head

Dead on Alignment =

- Less Downtime
- Longer Focusing Tube Life
- Faster Cutting Speed
- Better Edge Quality
- Lower Garnet Usage

The H20JET Integral Diamond Eductor consistently demonstrates superior performance and reduced cost when compared with other styles of cutting heads.

Every IDE III Cutting Head has a factory aligned diamond orifice which is precisely focussed so that the water stream fires right down the centre of the focusing tube.

Dead on alignment of the water stream ensures maximum energy is delivered to the workpiece and results in a faster cutting speed with less garnet per linear metre of cut.



IDE III Cutting Head complete with air actuator on/off valve and nozzle body

SO MUCH DEPENDS ON THE QUALITY OF THE WATER STREAM...

If you were to ask ... What would be the single most important thing that you could do to maximise cutting speed, quality of cut, and the overall efficiency of your cutting operations?

Take a close look at the quality of the stream of water coming from your focusing tube!

Most likely you may find it difficult to actually see whether the quality is good or otherwise... however this is the critical factor that governs the whole efficiency of your system.

Here's why.....

- **Cutting Speed:** Water stream deflection off the inside of the focusing tube causes loss of cutting energy.
- **Edge Quality:** Deflection of the water stream off the inside of the focusing tube also interrupts the laminar flow of the water stream and causes a ragged edge on your cut. For a smooth, consistent edge you must have a sharp, coherent stream of water.
- **Focusing Tube Life:** Misalignment of the water jet also causes premature wear on the inside of the focusing tube... and increases your operating costs.

Mount Alignment Comparison

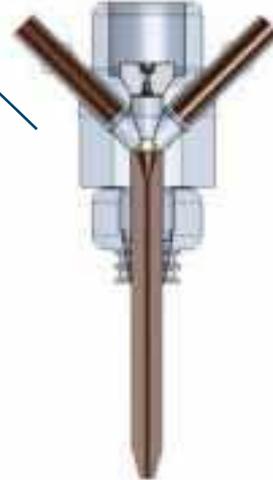
H2O JET vs Competitive Brands

H2OJET Integral Diamond Eductor III



VS

Multiple Component Design



'DEAD ON' JEWEL ALIGNMENT WITH A HIGH QUALITY STREAM OF WATER IS THE SECRET TO:

- * Maximum cutting speed
- * Lower abrasive usage
- * Better edge quality
- * Longer focusing tube life
- * Less downtime

FOCUSSING TUBE WEAR



Focusing Tube showing typical wear pattern after use with conventional cutting head.



Focusing Tube showing typical wear pattern after use with an IDE cutting head. Note that wear is central, which indicates that the jewel is correctly aligned.

What Others Say...

"It cuts better, faster and more accurately; delivers a better edge finish and is also maintenance and trouble free." - Dardi Operator, Gold Coast

"Our tips are lasting longer, the edge is sharper and we are definitely cutting quicker."
- Waterjet Operator, Canberra

WATERJET CHILLERS

An important part of most waterjet systems is the cooling system for the waterjet pump. The cooling system ensures the pump does not overheat during continuous use or warm weather.

The purpose of the chiller is to remove heat and transfer it to air via a heat exchanger. Using the refrigeration cycle, Parker chillers are able to cool the water to below ambient temperature, giving the benefit of increased high pressure seal life and pump dependability.



What makes the Parker Chiller special?

With over 30 years experience in providing precision chilled water technology in Australia, Parker chillers can be customised for all industrial and environmental conditions to ensure the most accurate control of water temperature - regardless of load or ambient temperature changes. This secures industrial processes, reduces cost and improves productivity.

The unique design makes the Parker chillers easy to use, access, position and repair, making them highly versatile and saving on downtime.



Precision Control

- Low water velocity
- Oversized water tanks
- Unique water outlet temperature control design



Maximum Efficiency

Maximum efficiency can be achieved through the energy saving components to reduce power consumption.



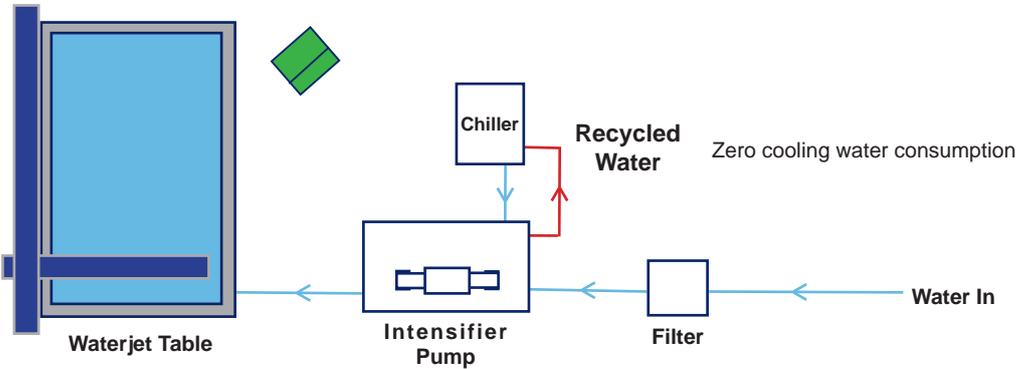
User Friendly Design

- Removable tank & condenser
- Full frontal access for easy maintenance
- Compact & lightweight construction

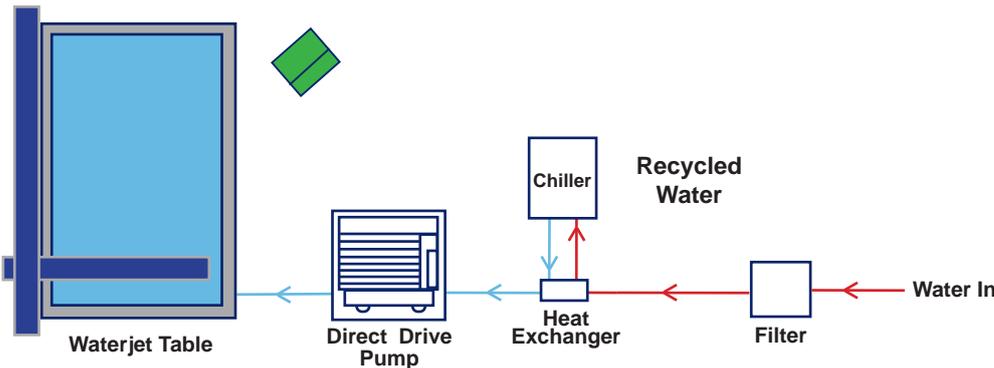
Chiller Sizing

Flow Pump	KMT Pump	Heat Rejection Rate (kW)	Recommended Chiller Model	kW of Cooling Capacity
	KMT SLV15	2	ICEP003	3.3kW
Hyplex 30 Direct Drive	KMT SLV30	4	ICEP005	5.2kW
30SA Intensifier	KMT Jetline 50 / Streamline VI 50	7.2	ICEP007	7.8kW
Ultrajet 50 / 7XD Pump		10.3	ICEP010	10.8kW
	KMT PRO 60 / Streamline VI 100	13.0	ICEP014	14.6kW
Ultrajet 100 Pump (60K 20XD)		20.5	ICEP024	23.6kW
Hyperjet 50HP		20.5	ICEP024	23.6kW
Hyperjet 100HP		29.3	ICEP029	28.1kW
	KMT PROIII 125	22.0	ICEP029	28.1kW

Typical Chiller Installation with Intensifier Pump



Typical Chiller Installation with Direct Drive Pump



MATERIALS HANDLING SYSTEMS

Safety, mobility and flexibility...

Vacuum Lifting

The difficulty with the manual loading of waterjet machines is a common problem for waterjet operators worldwide. For large or heavy sheets it is often difficult and dangerous for one man to manage, due to the fact there is no easy way to secure the sheet to the lifting apparatus. Many operators use forklifts for loading their machines, but the sheet or slab can still slip off the forks and does not reduce the risk of injury to the operator.

The safer, more convenient and efficient way is to install a VacLift loading package. With the VacLift System, one man can safely load sheets or slabs onto the waterjet machine. This saves valuable time and money. This package is designed specifically for the waterjet industry, and can be retrofitted onto any new or existing waterjet installation.



Applications

VacLift systems can be used for loading most sheet materials including stone, marble, glass, steels and aluminium.

Load rated up to 500 kg these packages are a handy add-on, eliminating virtually all manual sheet handling.



The flexible adjustment system enables the operator to adjust the positions of the the vacuum pads quickly and easily.



The Vacu-master is simple for operators to use and is designed to provide years of trouble free operation.



The famous Schmalz vacuum pump is highly efficient. Also comes with energy saver mode to save switching unit off during low use periods.

System Components



The VacLift package consists of three components.

- **Jib Crane:** Available with a 3 or 4 metre boom. A simple bolt to slab installation required. Features the famous Schmalz 'easy run' aluminium runner boom which is designed to give little resistance during movement, even with heavy loads.
- **Electric Chain Hoist:** For automatic height adjustment, integrated with the vacuum lifter controls for ease of use. Low voltage controls for safety. Two speed lifting speeds for safe lifting. Includes a two year warranty.
- **Six Pad VacLift vacuum lifter** is robustly built, while not sacrificing lightness and flexibility. All framework constructed from aluminium and engineered composite plastic. Vacuum reservoirs are integrated in the mainbeam for a remarkably compact system. Safety features include dual action vacuum switch, large vacuum reservoir, sight manometre and warning alarm.

These packages are available in LD or HD: Light Duty is rated to 250kg and Heavy Duty is rated to 500 kg.

Packages

Type	HD WJ 3000	HD WJ 4000	LD WJ 3000	LD WJ 4000
Load Rating (kg)	500	500	250	250
Jib Height (m)	4.5	4.5	4.5	4.5
Boom Length (mm)	3000	4000	3000	4000
Min Workpiece (mm)	740 X 590	740 X 590	360 X 360	360 X 360
Max Workpiece (mm)	4000 X 2000	4000 X 2000	4000 X 2000	4000 X 2000



Lightweight aluminium main beam with integrated vacuum reservoir and distributor. This gives a fast grip in the workpiece.



The Vacu-master is constructed from strong lightweight materials for easy manoeuvring.



Capability to isolate individual pads for lifting irregular shaped sheets.

WATER SOFTENERS

Don't let hard water soften the profitability of your waterjet...

The quality of your water supply directly affects the wear life of all key components in your waterjet system including the waterjet pump and cutting head.

Waterjet equipment is subjected to high stress levels which can make components sensitive to the effects of compounds in the water supply and lead to premature corrosion which can even lead to cracking of pressurised components.



Some regions of Australia have areas which water experts define as having "hard water" and this condition mostly occurs where the water supply contains minerals such as traces of iron and manganese. Where water "hardness" exceeds 25 mg/litre, waterjet operators can experience problems with corrosion and encrusted deposits on internal surfaces which can lead to premature failure of parts.

The SOL series water softener delivers clean soft water and resolves costly hard water problems by removing hardness ions, calcium and magnesium, thus enhancing the longevity of waterjet system components.

REVERSE OSMOSIS SYSTEMS

The only effective solution for high TDS levels

One of the most important things to look for when determining the suitability of your water supply is to have a look at the "TDS" (Total Dissolved Solids) content of your water.

High TDS and chloride promotes corrosion on wetted metal parts and silica contributes to scaling and erosion.

What is Reverse Osmosis?

Reverse Osmosis is a process which uses a membrane under pressure to separate pure water from a less pure solution. When two aqueous solutions of different concentrations are separated by a semi-permeable membrane, water passes through the membrane in the direction of the more concentrated solution as a result of osmotic pressure. In reverse osmosis, pressure is applied to the incoming water supply (concentrated solution) to overcome osmotic pressure. Thus the incoming supply is separated into two streams. 1) Rejected high TDS water solution & 2) High quality purified "permeate" water.

The V Tex reverse osmosis system effectively eliminates high Total Dissolved Solids (TDS) which are highly detrimental to the life of key components of your waterjet.



**For more information on Water Softeners
& Reverse Osmosis Systems, scan here:**



ABRASIVE LOADING HOPPER

1.2 Tonne Bulk Loading Hopper



Garnet Loading

The Performance Waterjet Bulk Loading Hopper saves valuable time and eliminates manual handling by allowing operators to decant waterjet abrasive into the abrasive feed hopper without any manual lifting.

- 1200kg waterjet garnet capacity
- Non corrosive polyethylene hopper bin with lid
- Engineered support frame and stand
- Stainless steel abrasive gate

Our purpose built bulk loading hoppers are specifically designed for use with waterjet cutting systems.

A Sydney waterjet operator who previously hand loaded 25kg bags of abrasive for over ten years said:
‘Our loading hopper was one of the best things we have ever purchased.’

Can be integrated with most waterjet garnet feed hoppers.

Model	Capacity	Height	Width	Length
BLH2000	1200 kg	2790	1240	1120



The bulk Hopper is removed from its stand by forklift and its lid is removed.



A new bulk bag of waterjet garnet is loaded into the bulk hopper, through the bulk bag chute and the lid is replaced.



Bulk hopper is lifted back onto the stand and the garnet is decanted into the abrasive feed hopper as required.

BULK ABRASIVE FEED HOPPERS

Abraline V

Continuous feed bulk transfer system

The Abraline V is a dual hopper continuous feed system. Abraline V is designed for operators who need to cut continuously, without stopping to fill up with garnet.

Available in a 400kg or 1000kg version to suit general and high demand cutting applications, the storage silo automatically fills the feed hopper when the garnet levels are low. Level sensors and a low level alarm provide early warning of low garnet levels in the storage hopper.



Abraline is the ideal system to provide continuous, uninterrupted feed to any waterjet system.



Abraline V 400kg

Continuous flow hopper for all general cutting applications



Abraline V 1000kg

High capacity hopper for continuous production with multiple cutting heads.

Technical Data

Model	Abraline V 400kg	Abraline V 1000kg
Max. Flow Rate	4000 g/min	
Continuous Operating Pressure	2 - 6 bar	
Supply Voltage	240V	
Vessel Volume	25L	
Silo Volume	400kg	1000kg
Length	850mm	
Width	850mm	
Height	1370mm	2020mm
Net Weight	95kg	120kg

ABRASIVE METERING

An accurately metered abrasive mixture
is a critical component of any efficient
 Waterjet cutting operation

Precise control of the flow of garnet to the cutting head has a direct impact on garnet consumption, reduces the number of blockages caused by fluctuations in the feed rate, and also results in a better edge quality on the workpiece.

The Feedline Range gives the benefit of being able to:

- Control exactly how much abrasive your equipment is consuming.
- Improve consistency of abrasive delivery which improves workpiece edge quality
- Reduce the number of blockages caused by surges and fluctuations in the garnet feed.
- “Dial Up” feed rates. The adjustment enables accurate adjustment of feed rates between 0 and 2 1/2 pounds per minute.
- Quickly increase or reduce garnet feed to suit the type and thickness of material being cut.

The Feedline range can be integrated with standard air connections found on most Waterjet machines

The Feedline also has a built in water overflow port on the abrasive outlet to help prevent abrasive inside the hopper becoming contaminated in the event of backflush.



What Others say...

“Definitely has cut our garnet consumption and we have better control of the feed rate. If we are cutting thin stuff we can cut the feed right back and turn it up for thick material.”

“Since we installed the feedline unit we have gone from two blockages a day to two in two weeks”



Feedline Precision with “dial up” abrasive feed adjustment. (Can be adjusted whilst cutting.)

Part No.
2049 7504



EZ Feedline Abrasive Feeder (Has indexed adjustment plate - stop cutting to adjust feed.)

Part No.
2048 6762

ABRASIVE SLUDGE REMOVAL

Serious about continual, uninterrupted production?

Are you spending valuable time shutting down your waterjet for a tank clean out?

Removing tonnes of sloppy garnet waste from your waterjet bath can be a time consuming, inconvenient and expensive problem.

This no longer needs to be the case! The ASR system provides direct cost savings for operators who have integrated this innovative technology with their operations.



Specifically, the ASR garnet sludge removal system helps increase profits by:

- Cutting valuable production time spent removing sloppy garnet waste from your equipment
- Making the most of your investment by keeping your equipment working at its best at all times. Interruptions to production and downtime are costly issues for waterjet operators. Integrating an ASR system into your operation means you spend more time cutting - not cleaning waste from your tank.
- Eliminating the mess once experienced during tank clean outs
- Eliminating WHS issues associated with removing tonnes of heavy garnet waste

How the ASR Sludge Removal System Works



The ASR Modular Garnet Removal System is positioned alongside the waterjet table and is connected by pipework to a network of garnet collection probes positioned in the base of the waterjet bath.



During the course of cutting, the operator activates the garnet removal system which initiates a “purging mode” which fluidizes the garnet accumulated around the extraction points in the garnet removal probes to ensure waste garnet will flow freely.

When the purging phase has been completed, the ASR begins waste removal mode. A high capacity evacuation pump extracts waste garnet from the probes situated in the waterjet bath, and dispenses the garnet waste into a bulk bag suspended in the ASR modular.



When the bulk bag is filled with garnet waste, the bulk bag is lifted out of the collection tank for disposal.

ASR Equipment Specification

Model	Application	Garnet Evacuation Principle	Power Supply	Air Requirement	Dimensions
ASR Modular	Can be integrated into most waterjet tables.	Garnet collection probes placed in base of tank. Waste garnet is removed when sufficient material has accumulated around collection probes	240V control power	15 - 20 cfm 0 - 100psi	1750L x 1280W x 1080H



The Magic Behind The Machine

FlowMaster® 8 Intelligent CAD/CAM/CNC Control software boasts a user-friendly graphical controller interface requiring no G-code CNC programming.

Compatible with DXF, DWG, IGS, CDL, AI, HPL, PTH and CAD files and with a range of software options, FlowMaster's user-friendly software allows operators to load new jobs and drawings quickly so that operators spend more time cutting, not programming.

FlowPATH

FlowMaster sets the correct acceleration, speed and piercing parameters with its advanced capabilities and integral modeling.

FlowCUT

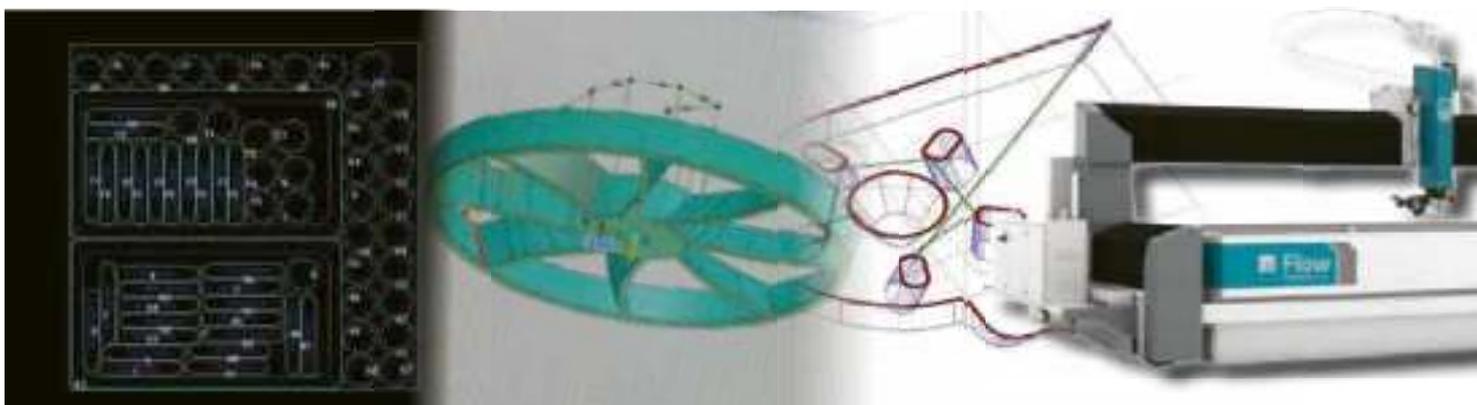
The operator simply specifies the material, thickness and desired cut quality and controls the waterjet system via FlowCut. FlowCut's comprehensive materials database enables operators to cut a wide range of materials at the desired finish quality.

Raster to Vector

FlowPATH raster-to-vector tool instantly converts your raster images to vector files and then allows you to modify them with the built-in editing & drawing features of FlowPATH.

FlowNEST

Powerful geometric nesting module that optimises the most efficient use of your material, allowing operators to nest parts on full or partially cut sheets.



FlowXpert

Your parts, fast & simple.



Fully integrated with your machine, FlowXpert is a 3D modelling CAD/CAM software suite.

- Import any CAD file
- Build your own CAD file
- Create a CAD file from an image you import

Using intelligent algorithms and 40+ years of waterjet expertise, FlowXpert automatically creates the most efficient waterjet cut path, so you can make parts faster & more efficiently.



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WATERJET
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INTENSIFIER
PUMPS

CUTTING
HEADS

CHILLERS

MATERIALS
HANDLING

WATER
QUALITY

ABRASIVE
FEED

SLUDGE
REMOVAL

NOTES



PWJ
PERFORMANCE
WATERJET

