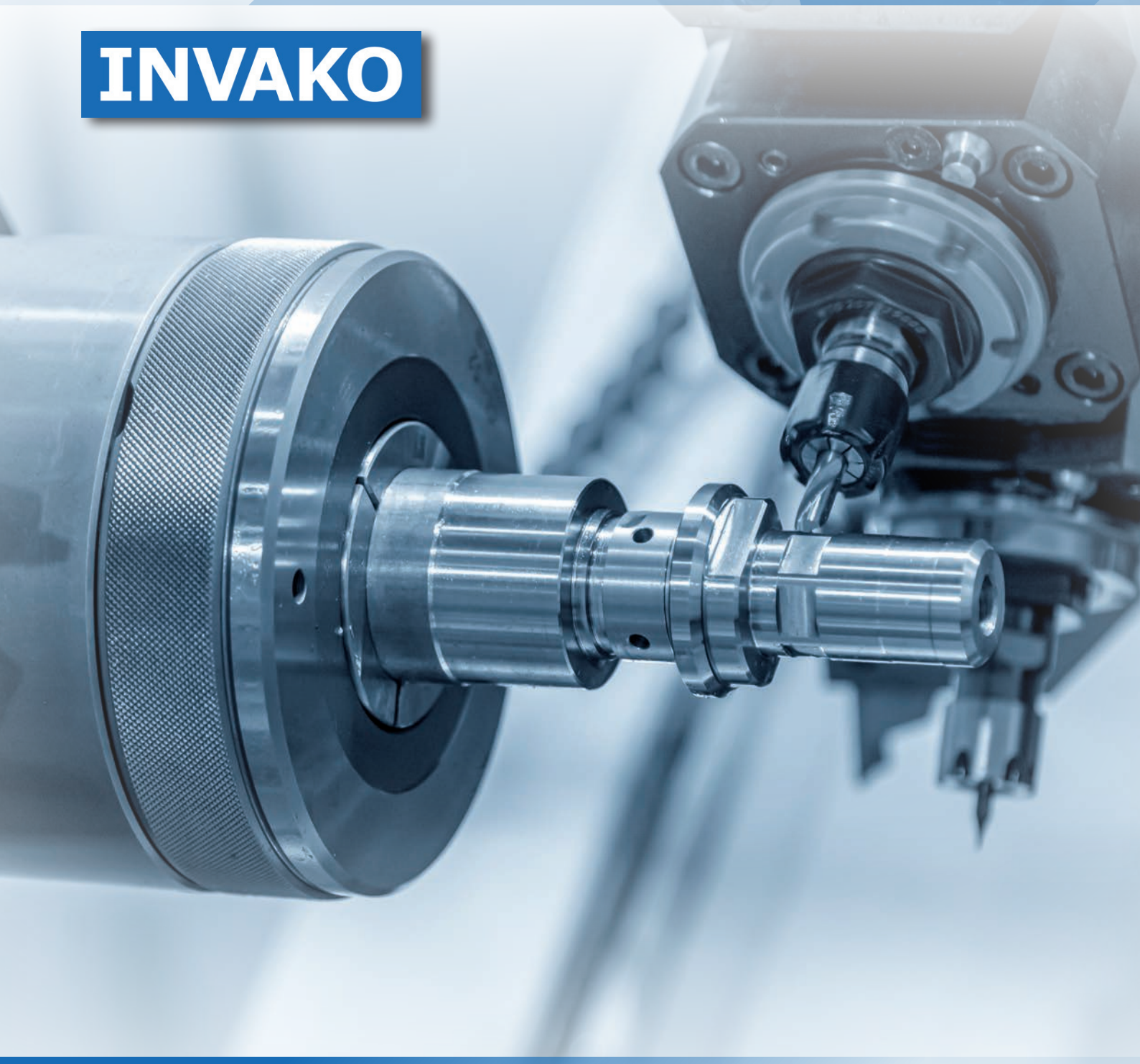
Enger & Hedlund

SPRAYING EQUIPMENT

PROFESSIONAL SPRAYING EQUIPMENT

INVAKO



INVAKO

Professional spraying equipment

Leading manufacturer of anti-corrosion solutions for over 30 years.

Enger & Hedlund is the leading partner when it comes to development and production of solutions for applying corrosion inhibiting compounds.
We offer a wide range of products, from the smallest specialized nozzles to complete spraying systems.

We are proud to be the preferred partner of both the automotive and the airplane industry.
By developing sturdy and accurate solutions, the brand Invako has over the years become renown worldwide and the “go to” brand within the above designated markets.

Enger & Hedlund is also Norways' leading supplierof anti-corrotion solutions.
Visit engerhedlund.no for more information

This catalogue shows selected products only. Please send us an inquiry for other spray related pruducts.

OFFICE PHONE (+47) 32 26 80 00 - www.engerhedlund.no/invako-en info@engerhedlund.no

INVAKO

Contents

01 High Pressure Applications

02 Low Pressure Applications

03 Heating

04 Split Drawings

05 Where To Find Us

HP Pneumatic Piston Pumps

TEL-30 INOX

Professional air driven pumps



Air driven pump for professional spraying.

Invako pumps are manufactured with the highest qualitydemands to meet the professional user.

CE

- High capasity professional pnuematic pump.
- Exposed parts manufactured in stainless steel.
- INVAKO Exchange Service available.
- Optional two gun setup available.
- Available as air assisted configuration.

Details	Atla 30*2	Atla 46*1
Item #	30900	30901
Pump ratio	1:30	1:46
Delivery at 60 cycles	3.65 Ltr.	2,2 Ltr.
Max free flow DIN24374	13,5 Ltr.	8 Ltr.
Air inlet range	2-9 bar	2-7 bar
Maximum fluid pressure	270 bar	322 bar
Air inlet	3/8”	3/8"
# 30927 Complete pump		

Service sets

Item #	Description
30978	Service Kit Air Motor Atla 30,46
30977	Service Kit Hydraulick Atla 30
30979	Service Kit Hydraulick Atla 46

TEL - 30 INOX ON TROLLY

Mobile professional air driven pump



Professional air driven pump on trolly, complete with lubricator, regulator and integrated manometer.

Invako pumps are manufactured with the highest quality demands to meet the professional user.

- High capasity professional pnuematic pump.
- Exposed parts manufactured in stainless steel.
- High pressure spraying at 322 bar. Configurable suction system.
- INVAKO Exchange Service available.

Item #	Details
31495	Atla 1:46 INOX complete with trolly, filter house and gravity tank
31514	Atla 1:46 INOX complete with trolly, filter house and suction hose for pail

Service sets

Item #	Description
30978	Service Kit Air Motor
30979	Service Kit Hydraulick

INVAKO PROFESSIONAL SPRAYING EQUIPMENT

HP Pneumatic Piston Pumps

GRACO KING SPRAYER 1:70

Professional pump for larger volumes



Durabel pump for lager volumes and multiple spray guns

KingSprayer is a high pressure airless sprayer pump og high quality, large volume and high pressure

- High capacity professional pneumatic pump.
- Exposed parts manufactured in stainless steel.
- Optional multiple gun setup available.
- High pressure spraying

Details	1:70
Item #	30007
Pump ratio	1:70
Pump capacity	180 cc
Max working pressure	500 bar / 7250 PSI
Maximum Air inlet pressure	7 bar / 100 PSI
Max Free Flow Output	32 l/min
Putput av 60 CPM	11 l/min

Service sets

Item #	Description
93018671	Kit Graco, 3 washers for bottom part
93018678	Repair Kit 180 cc Lower part 1:70
93018682	Repair Kit , air motor NXT 6500
31774	1/2'' Hose for Graco 640 Bar 1mtr

GRACO

For carefree spraying

Graco has established itself as an innovative force in the industry. They invest in research and development to constantly improve their products and introduce new technology that can increase the efficiency and user-friendliness of the pumps in the areas of surface treatment, painting, coating and anti-rust treatment. With "MaxLife pump" technology, the pump has increased service life, even under high working pressure.

Graco's powerful new air motor allows you to operate multiple spray guns simultaneously with virtually no noticeable pulsation. A new manifold is designed to simplify the installation of multiple spray guns. The Graco Pump's air motor is clearly arranged with ease of use in mind for easier maintenance. This allows the pumps to be used more efficiently, and reduces the chance of user error.

The Graco King pump is designed to withstand the toughest conditions!

HP Pneumatic Piston Pumps

Assalub 1:26 Drum Pumps

Pneumatic piston pump for airless applications



Pneumatic piston pump for airless applications.

Pump designed for airless spraying of rust preventives.

- Available in both carbon steel and stainless steel versions.
- Polyurethane sealings.
- Highly corrosion resistant.
- Service sets available.
- Optional two gun setup available.

Details	
Pump ratio	1:26
Max Capacity	3.65 Ltr.
Air inlet range	3-10 bar
Maximum fluid pressure at 10 bar	260 bar
Air inlet	3/8”
Fluid outlet	1/4”
Valve seats made of tungsten carbide	Yes

Item #	Details	Total hight
30009	Pump for 1/1 drum inc regulator	1300 mm
31011	Pump for 16-20 kg pail	798 mm
30906	Pump for 1/4 drum	1113 mm
30014	Pump for 1/1 drum	1300 mm

Service sets

Item #	Description
30011	Service Kit for Air Motor
30010	Sealing Kit for Air Motor
30015	Sealing Kit for Pump

INVAKO EXCHANGE SERVICE

For carefree spraying

IES - Invako Exchange Service is included on all new Invako Atla and Thor Pumps.

IES, Invako Exchange Service is incluced on all new Invako Atla 1:30 and Atla 1:46 pnamatic pumps. Choose Invako for carefree spraying.

- 2 year extended warranty on pump unit.
- Replacement pump shipped free of charge the next working day.



IES
Invako Exchange Service

Invako Exchange Service covers all malfunctions that would be covered under the normal warranty.
Invako Exchange Service does not apply to faulty regulators, gauges or other pump accessories or damage caused by external impact or faulty use caused by the operator.

INVAKO
PROFESSIONAL SPRAYING EQUIPMENT

HP Pneumatic Piston Pumps Accessories

REGULATORS

Accessories



Item #	Description
30919	Air Regulator MX2 3/8” 0-10 bar ex. Gauge
30920	Filter regulator MX2 3/8” 0-10 bar ex. Gauge
30984	Air regulator MX2 3/4'' 0-10 bar ex. Gauge
30985	Filter regulator MX2 3/4'' 0-10 bar ex. Gauge
30933	Air regulator MX2 1/2'' bar ex. Gauge
31015	Air Regulator MD 1/4'' 0,5-10 bar ex. gauge
30931	Filter Regulator MD1 1/4'' 0,5 - 10 bar ex- gauge

GAUGES

Accessories



Item #	Description
30585	Gauge 40 mm 0-12 bar, Rear connection, plastic
30938	Gauge 63 mm 0-12 bar, Rear connection, plastic
31557	Gauge 43 mm 0-12 bar, Panel mount, metal
31815	Square pressure gauge 1/8, hard plastic
31709	Rear.50mm, metal

CAMLOCK IBC ADAPTERS

Accesories for Suction Hose IBC



Item #	Description
30992	Camlock D 150 CAM 1 1/2" IBC Female Adapter
30641	Camlock A 150 CAM 1 1/2" IBC Male Adapter
31535	Camlock A 200 CAM 2" IBC Mail adapter
31536	Camlock D 200 CAM 2" IBC Female adapter

HP Pneumatic Piston Pumps Accessories

INLINE FILTER HOUSE & FILTERS

Accessories

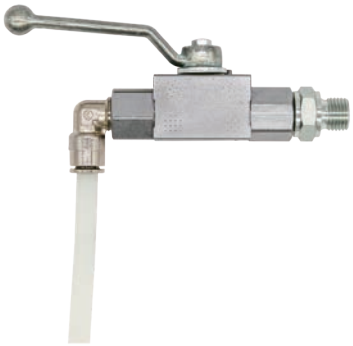


Item #	Description
31569	HP Inline Filter House Inox Exl. Return Valve
31008	Filter 60 mesh
31009	Filter 100 mesh (standard)
31483	Filter 200 mesh
31705	Atla & Assalub Filter House Complete

**All inline filter houses are delivered with 100 mesh filter as standard.*

RETURN VALVES

Accessories



Item #	Description
30976	Inline Return Valve 500 bar for Invako Atla Series incl. 1,0 mtr hose
30709	Hose PA 8/6 WT 1 mtr

SUCTION FILTERS

Accessories



Item #	Description
30828	Inlet Filter ALU for 25 mm Suction Pipe

Spare parts & filters

Item #	Description
30093	Aluminium Housing
30994	Spring
31570	Filter Screen 20 mesh
31574	Filter Screen 30 mesh
31571	Filter screen 40 mesh

INVAKO
PROFESSIONAL SPRAYING EQUIPMENT

HP Pneumatic Piston Pumps Accessories

SUCTION PIPES

Suction pipe for Invako Atla pump



Item #	Description
30952	Suction Pipe Steel 1/1 Drum + 25mm 700mm 3/4 Tel-30
30626	Suction Pipe Alu 1/1 Drum Wiwa & WR320
30012	Suction Pipe PvC 1/1 Drum Assalube 1:3 1''
30969	Steel Assalube 1:3 1''

*Picture may not reflect actual product.
Suction filter #30828 sold seperately.
See page 8 for details.

Drum Adapter

Drum adapter for mounting pump directly to drum



Item #	Description
3000	Drum adapter ZN 40 mm WR320
30001	Drum adapter ZN 32 mm Assalub 1:3
30002	Drum adapter ZN 35 mm Assalub 1:26
30005	Drum adapter ZN 45 mm Atla

SUCTION HOSES IBC

Accessories



Item #	Description
30927	IBC Suction Hose, 1 1/2 transparent *
	IBC Suction Hose, 1 1/2 black*
	* Please specify the desired length when ordering

INVAKO
PROFESSIONAL SPRAYING EQUIPMENT

High pressure airless guns

MBP J600

High pressure airless



High pressure gun for airless spraying.

Item #	Description	Inlet	Outlet	Max WP
31016	GUN MBP J600 complete	1/8” BSP female	Quick coupling HK1H1 female	350 BAR
31018	GUN MBP J600	1/8” BSP female	STD 11/16	350 BAR

**Other inlet connections available on request.*

MBP J200

High pressure airless



High pressure gun for airless spraying.

Item #	Description	Inlet	Outlet	Max WP
30514	GUN MBP J200	1/8” BSP female	std 11/16	250 BAR
30910	GUN MBP J200 1/8	1/8” BSP female	1/8” BSP male	250 BAR
30515	GUN MBP J200 complete	1/8” BSP female	Quick coupling HK1H1 female	250 BAR

**Other inlet connections available on request.*

MBP J700N

High pressure airless



High pressure gun for airless spraying.

Item #	Description	Inlet	Outlet	Max WP
31019	GUN MBP J700N	1/4” BSP male	std 11/16	250 BAR

**Other inlet connections available on request.*

INVAKO
PROFESSIONAL SPRAYING EQUIPMENT

High pressure airless guns

RST2

High pressure airless



Lightweight and compact spraygun with 4-finger trigger. Approved for working pressures up to 500 bar. Supplied as standard with 1/4'' BSP mail swivel connection. Complete with a reduction adapter 1/4M to 1/8 Fm. 11/16'' thread connection at front outlet.
Maintenance is made easy. To change the plug-in filter, simply unscrew the handle.

Item #	Description	Inlet	Outlet	Max WP
31471	GUN RST2 2-finger	1/4M	11/16	500 BAR
31472	GUN RST2 2-finger	1/4M	7/8''	500 BAR
31759	GUN RST2 4-finger	1/4M	11/16	500 BAR
31763**	GUN RST2 4-finger	1/4M	11/16 Quick Copl. HK1H1 fm	500 BAR

**Other inlet connections available on request.*
*** Complete with quick coupling*

Item #	Description
31568	Repair Kit Diam. 5 7/8''
31742	Repair Kit Diam.5 11/16

Assalub

High pressure airless



High pressure gun for airless spraying.

Item #	Description	Inlet	Outlet	Max WP
30470	GUN Assalub	1/8” BSP female	1/8” BSP female	700 BAR



Item #	Description
30018	Rep kit Assalub gun
30310	Blue sealing-ring
30433	One seat Gun assalub incl O-ring

High pressure airless guns Accessories

FILTER PIPE



Accessories for J200/J600/J700N

Item #	Description
30065	Filter pipe white 50 mesh
30066	Filter pipe yellow 100 mesh
30067	Filter pipe red 200 mesh

Spare parts



Accessories for J200/J600/J700N

See page 41-42 for exploded diagram and spare parts list.

CONNECTING FL 15-1/8”



Accessories for J200/J600/J700N

Item #	Description	Connections	Max WP
30661	Connecting fl 15-1/8”	Male 1/8” BSP	500 bar

QUICK COUPLINGS HP



Accessories

Item #	Description	Connection	Max WP	Packing
30483	Quick coupling female 1 HK	1/8” BSP female	275 BAR	1 PCS
30487	Quick Coupling Hansen 1k11 1/8”	Male 1/8'' BSP		

EXTENSION HOSE



High pressure ext hose

Item #	Description	Length	Inlet	Outlet	Max WP
30493	Extension hose	1000 mm	Quick coupl 1 HK female	Quick coupl 1 HK male	200 bar
31324	Hose with handle	1250 mm	Quick coupl 1 HK female	Quick coupl 1 HK male	200 bar

INVAKO
PROFESSIONAL SPRAYING EQUIPMENT

High pressure airless guns Accessories

HIGH PRESSURE HOSE

High pressure hose



Item #	Description	Length	Inlet	Outlet	Max WP
30506	High pressure hose 3/16”	10 m	1/4” BSP female swivel	1/8” BSP male	360 bar
30510	High pressure hose 3/16”	12 m	1/4” BSP female swivel	1/8” BSP male	360 bar
30511	High pressure hose 3/16”	15 m	1/4” BSP female swivel	1/8” BSP male	360 bar

**Additional lengths available on request.*

HOSE REEL

For high pressure hose



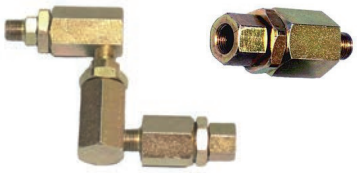
Powder coated carbon steel HP hose reel. 18 kg (excl hose). Max 20 mtr hose. Color: Orange.

Item #	Description	Hose	Inlet	Outlet	Max WP
30072	Hose reel	excl.	1/2” BSP male	1/2” BSP female	200 bar
30073	Hose reel	3/16” x 10 m incl	3/8” BSP female swivel	1/8” BSP male	200 bar
30074	Hose reel	3/16“ x 12 m incl	3/8” BSP female swivel	1/8” BSP male	200bar
30076	Hose reel	3/16” x 15 m incl	3/8” BSP female swivel	1/8” BSP male	200 bar
93085006	Hose reel Duo	12m 1/4 duo	3/8'' air	3/8''	20 bar

**Additional lengths available on request.*

SWIVELS

Accessories

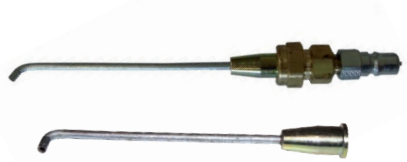


Item #	Description	Connections
30498	Z-Swivel	Male/female 1/8” BSP
30499	Straight swivel	Male/female 1/8” BSP

Airless wands

WAND 150 M3 90° Cone

Wand for cavities 150 mm x 3,2 mm/4mm M3



Item #	Description	Length wand	Connection	Nozzle end
30331	Hook wand 3,2 mm	150 mm	Hansen 1K11	90° bend/30° cone
30343	Hook wand 4 mm	150 mm	Hansen 1K11	90° bend/30° cone
30531	Pipe 3,2 mm incl. nozzle	150 mm	Thumb grip	90° bend/30° cone
30530	Pipe 4 mm incl. nozzle	150 mm	Thumb grip	90° bend/30° cone

WAND M6

Wand for cavities 300/700 mm x7,5mm M6



Wand 300x7,5

Item #	Description	Connection	Nozzle end
30416	Wand 300 x 7,5 mm Straight M6	Hansen 1K11	Straight/excl. nozzle
30418	Wand 300 x 7,5 mm 45° Hook M6	Hansen 1K11	45° bend/excl. nozzle
30848	Wand 300 x 7,5 mm Straight Incl. Nozzle 4030	Hansen 1K11	Straight/incl. nozzle xxxx*
30417	Wand 300 x 6 mm 45° Hook M6 only pipe and thumb grip	Hansen 1K11	45° bend

** See page 20 for available M6 Nozzle sizes.*

Wand 700x7,5

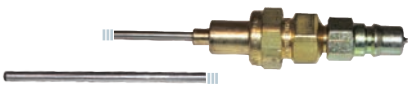
Item #	Description	Connection	Nozzle end
30421	Wand 700 x 7,5 mm Straight M6	Hansen 1K11	Straight/excl. nozzle
30422	Wand 700 x 7,5 mm 45° Hook M6	Hansen 1K11	45° bend/excl. nozzle
30423	Wand 700 x 7,5 mm 45° Hook Incl. Nozzle 6025	Hansen 1K11	45° bend/incl. nozzle xxxx*

** see page 20 for available M6 Nozzle sizes.*

**Additional lengths available on request.*

LANCE 1500 M6

Long reaching wand for cavities M6



Item #	Description	Length wand	Connection	Nozzle end
30323	Lance 6 mm	1500 mm	Hansen 1K11	M6, exl. nozzle
30324	Lance 6 mm	1500 mm	Hansen 1K11	180 °
30325	Lance 6 mm	1500 mm	Hansen 1K11	360°

**Additional lengths available on request.*

*A 100 mesh tip filter is included in all wands.

INVAKO
PROFESSIONAL SPRAYING EQUIPMENT

Airless wands accessories

REVERSIBLE NOZZLE 1K11

Complete reversible nozzle with hansen quick coupling



Item #	Description	Connection
30465	Reversible Nozzle Compl. excl. Nozzle xxxx	Hansen 1k11 - 11/16”

** See page 20 for available reversible nozzle sizes.*

TIP GUARD

Tip Guard for Reversible Nozzle



Item #	Description	Connection
30896	Tip guard reversible nozzle FM11/16	11/16”
31022	Tip guard reversible nozzle FM 7/8	7/8”

**Compatible with reversible tips FM6, FMC6, Titan SC6, Wagner, Trade Tip3, Twin tip, Graco RAC V and Tritech T93R nozzles.*

Wand 80

80 mm wand with Hansen 1k11 connection for Standard TC nozzles inserts



Item #	Description	Connection
30424	Wand 80 Incl. Nozzle	Hansen 1K11

** See page 20 for available standard TC Nozzle sizes.*

Guard for Wand 80

Tip Guard for Wand 80



Item #	Description
30058	Tip guard/holder for wand 80, standard TC

**Compatible with standard TC tips.* *See page 20 for available standard TC nozzle sizes.*

Airless wands accessories

FLEXIBLE NOZZLE

High pressure 7,5mm flexible nozzle for cavities 360° radial



Item #	Description	Length in mm	Connection	Nozzle tip
31036	Flexible nozzle	1200	Hansen 1K11	M6 (exl. nozzle)
30353	Flexible nozzle	1200	Hansen 1K11	360° 2H
30354	Flexible nozzle	1200	Hansen 1K11	360° 3H
31023	Flexible nozzle	1200	Hansen 1K11	360° 3H +F
31024	Flexible nozzle	1200	Hansen 1K11	360° 4H
31025	Flexible nozzle	1500	Hansen 1K11	M6 (exl. nozzle)
31026	Flexible nozzle	1500	Hansen 1K11	360° 2H
31027	Flexible nozzle	1500	Hansen 1K11	360° 3H
30355	Flexible nozzle	1500	Hansen 1K11	360° 3H +F
31028	Flexible nozzle	1500	Hansen 1K11	360° 4H
31029	Flexible nozzle	2000	Hansen 1K11	M6 (exl. nozzle)
30357	Flexible nozzle	2000	Hansen 1K11	360° 2H
30358	Flexible nozzle	2000	Hansen 1K11	360° 3H
30359	Flexible nozzle	2000	Hansen 1K11	360° 3H +F
31030	Flexible nozzle	2000	Hansen 1K11	360° 4H
31031	Flexible nozzle	5000	Hansen 1K11	M6 (exl. nozzle)
31032	Flexible nozzle	5000	Hansen 1K11	360° 2H
31033	Flexible nozzle	5000	Hansen 1K11	360° 3H
31034	Flexible nozzle	5000	Hansen 1K11	360° 3H +F
30363	Flexible nozzle	5000	Hansen 1K11	360° 4H

**Additional lengths available on request.*

Airless wands accessories

SPARE PARTS FOR WANDS



Item #	Description
30049	Filter house 1/8” M - 11/16M
30053	Filter House Brass 1/8 FM - 11/16M
30054	Tip Filter 100 mesh
30056	Filter nut 11/16
30072	Tip filter 200 mesh (5 PCK)
30272	Tip filter 200 mesh
30273	Filter screen 100 mesh (10 PCK)
30373	Filter Screen 100 mesh
30374	Filer screen 200 mesh
30804	Filer Screen 200 mesh (10 pck)

QUICK CONNECTOR MALE

High pressure quick connector male Hansen 1k11



Item #	Description
30487	Quick Coupling Hansen 1K11 1/8” Male BSP
30483	Quick Coupling Female 1 HK 1/8''

CLEANING NEEDLES

Keep your nozzle clean



Item #	Description
30399	Cleaning Needle Set Yellow (6 PCK) 0,15mm.
30312	Cleaning Needle Set Purple (12 PCK) 0,05mm.

Airless nozzels

FLAT SPRAY NOZZLE M6

Flat spray nozzle M6



Item #	Description
120-XXXX	Flat Spray Nozzle 120-XXXX

Orifice size and spray width are given in mm. E.g. 6050 has a fan widt of 60° and a 0,050 mm opening.
For a nozzle with 60° pattern and 0,050 mm opening, order nozzle 120-6050.

*See page 20 for available sizes.

FLAT SPRAY NOZZLE

Flat spray nozzle standard TC



Item #	Description
110-XXX	Flat Spray Nozzle TC-XXX

For a nozzle with 40° pattern and 0,033 inch opening, order nozzle 110-433.

*See page 20 for available sizes.

CONE NOZZLE 150/80°

Full Cone nozzle 80/150° with removable tip cover





Cone nozzle 150°/80° with removable tip cover for easy cleaning.

Item #	Description	Angle	Threads
30445	Cone nozzle S0.2	150°	M6
31338	Cone nozzle S0.4	150°	M5
31337	Cone nozzle S0.2	80°	M5

Cone Nozzle 50° Injection M6

Full Cone Nozzle 50° Injection M6



Item #	Description	Angle	Threads
30413	Nozzle cone injection 50 °	50°	M6

INVAKO
PROFESSIONAL SPRAYING EQUIPMENT

High pressure nozzels

REVERSIBLE NOZZLES



FM6 reversible nozzles

Item #	Description
130-XXX	Reversible Nozzle FM6-XXX
31035	Repair Kit Gasket FM6

For a nozzle with 40° pattern and 0,033 inch opening, order nozzle 130-433.

**See page 20 for available sizes.*

NOZZLE 360° RADIAL



360° radial nozzles

Item #	Description	Angle	Threads
30311	Nozle 180° radial 1H	180°	M6
30384	Nozzle 360° radial 2H	360°	M6
30388	Nozzle 360° radial 3H	360°	M6
30389	Nozzle 360° radial 3H +F	360°	M6
30390	Nozzle 360° radial 4H	360°	M6

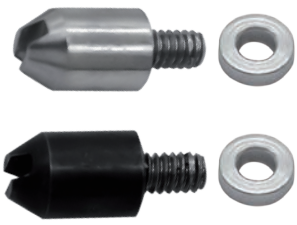
TOP 360° RADIAL



Spare nozzle tops 180/360° radial

Item #	Description	Angle	Holes	Threads
30400	Top 360° radial 2H	360°	2	M4
30402	Top 360° radial 3H	360°	3	M4
30403	Top 360° radial 3H + F	360°	3 + F	M4
30404	Top 360° radial 4H	360°	4	M4
30313	Top 360° radial 1H	180°	1	M4

180/360 ° RADIAL M3



180/360° radial nozzle for 3,2/4mm wands

Nozzle 180° and 360° for 3,2/4 mm wands, incl. washer

Item #	Description	Angle	Threads	Color
30311	Nozzle 180° radial M3 1H	180°	M3	steel
30406	Nozzle 360° radial M3 2H	360°	M3	black

360 ° system



360° system with 4 nozzels

Nozzlesystem 360° with 4 nozzels

Item #	Description	Angle	
31783	Nozzlesystem 360° with 4 nozzels	360°	11/16

INVAKO
PROFESSIONAL SPRAYING EQUIPMENT

High pressure nozzels

STANDARD TC NOZZLES XXX

Standard TC 110-xxx

For a orifice with .017 and spray pattern 40°, order 110-417

.009	.011	.013	.015	.017	.019	.021	.023	.025	.027	.029	.031	.033	.035	.037	.039	.041	0.43	0.45	0.47	0.49	0.51	0.53	0.55	0.63	0.65	IN	MM
109	111	113	115	117																						2-4	50-102
209	211	213	215	217	219	221	223	225																		4-6	102-152
309	311	313	315	317	319	321	323	325	327	329	331	333	335	337	339	341	343									6-8	152-203
409	411	413	415	417	419	421	423	425	427	429	431	433	435	437	439	441	443	445	447	449	451	453	455	463	465	8-10	203-254
509	511	513	515	517	519	521	523	525	527	529	531	533	535	537	539	541	543	545	547	549	551	553	555	563	565	10-12	254-305
609	611	613	615	617	619	621	623	625	627	629	631	633	635	637	639	641	643	645	647	649	651	653	655	663	665	12-14	305-356
	711	713	715	717	719	721	723	725	727	729	731	733	735	737	739	741	743	745	747	749	751	753	755	763	765	14-16	356-406
	811	813	815	817	819	821	823	825	827	829	831	833	835	837	839	841	843									16-18	406-457
				917	919	921	923	925	927	929	931	933	935	937	939	941	943									18-20	457-508



FLAT SPRAY NOZZLE M6 XXXX

7mm Flat spray nozzle for cavities M6 XXXX

For a orifice with .050 and spray pattern 60°, order 120-6050

**Orifice size and spray width are given in mm. E.g. 6050 has a fan widt of 60° and a 0,050 mm opening. Additional sizes available on request.*

A°	.008	0.11	0.17	0.25	0.33	0.44	0.50	0.55	IN	MM
10°	1008	1011	1017	1025	1033	1044			2-4	50-102
20°	2008	2011	2017	2025	2033	2044	2050	2055	4-6	102,152
30°	3008	3011	3017	3025	3033	3044	3050	3055	6-8	152-203
40°	4008	4011	4017	4025	4033	4044	4050	4055	8-10	203-254
50°		5011	5017	5025	5033	5044	5050	5055	10-12	254-305
60°		6011	6017	6025	6033	6044	6050	6055	12-14	305-356
70°			7017	7025	7033	7044	7050	7055	14-16	356-406
80°			8017	8025	8033	8044	8050	8055	16-18	406-457
90°						9044	9050	9055	18-20	457-508



FM6 REVERSIBLE NOZZLES

Reversible nozzle FM6 130-xxx

For a orifice with .017 and spray pattern 40°, order 130-417

A°	.007	.009	.011	.013	.015	.017	.019	.021	.023	.025	.027	.029	.031	.033	.035	.037	.039	.041	0.43	0.45	0.47	0.49	0.51	0.53	0.55	0.63	0.65	IN	MM
10°	107	109	111	113	115	117																						2-4	50-102
20°	207	209	211	213	215	217	219	221	223	225																		4-6	102-152
30°	307	309	311	313	315	317	319	321	323	325	327	329	331	333	335	337	339	341	343									6-8	152-203
40°	407	409	411	413	415	417	419	421	423	425	427	429	431	433	435	437	439	441	443	445	447	449	451	453	455	463	465	8-10	203-254
50°		509	511	513	515	517	519	521	523	525	527	529	531	533	535	537	539	541	543	545	547	549	551	553	555	563	565	10-12	254-305
60°		609	611	613	615	617	619	621	623	625	627	629	631	633	635	637	639	641	643	645	647	649	651	653	655	663	665	12-14	305-356
70°			711	713	715	717	719	721	723	725	727	729	731	733	735	737	739	741	743	745	747	749	751	753	755	763	765	14-16	356-406
80°			811	813	815	817	819	821	823	825	827	829	831	833	835	837	839	841	843									16-18	406-457
90°						917	919	921	923	925	927	929	931	933	935	937	939	941	943									18-20	457-508



INVAKO
PROFESSIONAL SPRAYING EQUIPMENT

AAS pumps & pots

Assalub 1:3 Piston Pump

Pneumatic piston pump for airless applications



Pneumatic piston pump for air assisted application.

Pump designed for air assisted spraying of low viscosity rust preventives

- High quality components manufactured in anodized aluminium, steel, stainless steel, brass and plastic.
- Nitril and viton sealings.
- Corroosion resistant.
- Changeable suction pipe.
- Service sets available.

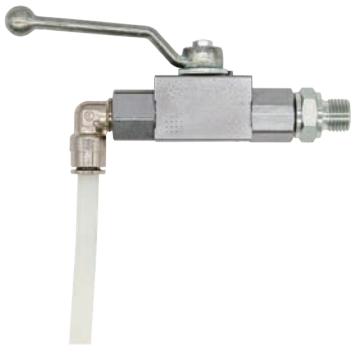
Item #	Details	
30937	Assalube Airmix 1:3 complete pump	
30652	Pump ratio	1:3
	Max Capacity	20 Ltr./min
	Air inlet range	3-10 bar
	Maximum fluid pressure at 8 bar	24 bar
	Air inlet	1/4”
	Fluid outlet	3/4”
	Valve seats made of tungsten carbide	Yes

Service sets

Item #	Description
30017	Service Kit air motor
30016	Gasket Set lower part

RETURN VALVE

Accessories



Item #	Description
31209	Inline Return Valve 30 bar for LP Pump incl. 1,0 mtr hose
30709	Hose PA 8/6 WT 1/mtr

AAS pumps & pots accessories

REGULATORS



Accessories

Item #	Description
30946	AAS Regulator Block MD1 incl. 40mm Gauges
30929	Regulator MD1 1/4” exl. Gauge
30931	Filter Manifold Regulator MD1 1/4” 0-10 bar exl. Gauge
31556	Filter regulator block MD1 "T-STYLE " 1/4" INCL 40 mm gauges

GAUGES





Accessories

Item #	Description
30585	Gauge 40 mm 0-12 bar, Rear connection
30917	Gauge 43 mm 0-12 bar, Panel mount
30917	Gauge 63 mm 0-12 bar, panel mount

FILTER HOUSE & FILTERS



Accessories

Item #	Description
30049	Filter house 1/8” M - 11/16M
30053	Filter House Brass 1/8 FM - 11/16M
30054	Tip Filter 100 mes
30056	Filter nut ZN
30072	Tip filter 200 mesh (5 PCK)
30272	Tip filter 200 mesh
30273	Filter screen 100 mesh (10 Pk)
30373	Filter Screen 100 mesh
30374	Filter screen 200 mesh
30804	Filter Screen 200 mesh (10 pk)

INVAKO
PROFESSIONAL SPRAYING EQUIPMENT

PRESSURE POT 5 LTR incl. Gun

Pressure pot for LP air assisted spraying incl. SATA 1000 KK Spray Gun

Complete 5 ltr. pressurized pot incl. 1 x SATA 1000 KK Spray Gun

Complete 5 ltr. pressurized pot for low and high viscosity compounds

- Easy to handle.
- Easy adjustable product/air mix.
- Available as two gun setup.
- NBR Sealings (standard) , viton and EPDM sealings available on request.
- For low and high viscosity compounds.

Item #	Details	
30110	Pressure ratio	1:1
	Air inlet range	0-10 bar
	Air consumption @ 6 bar	100 ltr./min
	Maximum air pressure	10 bar
	Air inlet	1/4”
	Fluid outlet	6 mm

Order item #30111 for two gun setup.



Spare parts

Item #	Description
31094	Pressure regulator block incl. gauges
30585	Pressure gauge 40 mm rear con
30223	SATA 1000 KK Spray Gun
30053	Filter house brass
30059	Filter nut brass
30054	Tip filter 100 mesh filter
30840	Hose PUR Duo 10 mtr. Blue/Black 6/4 mm (standard)
30840	Hose PUR Duo Spiral 10 mtr. Blue/Black 6/4 mm (optional)
30778	Lid for pressure pot incl NBR seal.
30817	O-Ring for lid NBR (standard)
30798	O-Ring for lid EPDM
30819	O-Ring for lid Viton
30817	Releave valv for pressure pot NBR (standard)
30818	Releave valve for pressure pot EPDM
30787	Releave valve for pressure pot Viton

AAS spray guns

SATA 1000

High end air assisted spray gun



Item #	Description	Inlet	Max WP
30223	Sata gun jet 1000	1/4"	10 bar

Spare parts SATA 1000

Item #	Description
30217	Servicekit SATA 1000
30859	Nozzle needle 2,0 mm
31278	Material Flow Control Nut
31419	Nozzle needle 1,5 mm



IWATA AZ1

Air assisted spray gun



Item #	Description	Inlet	Max WP
30471	IWATA AZ1	1/4"	7 bar

Spare parts IWATA AZ1

Item #	Description
30482	Nozzle needle kit IWATA AZ1



BODY GUN

Body gun complete for 1,0 ltr. cans. Incl. hose kit



Item #	Description	Inlet	Max WP
30437	Body Gun complete	1/4"	10 bar

Spare parts Body Gun

Item #	Description
31754	Can Gasket
31755	Nozzle Needle
31756	Nozzle
31757	Nylon hose/Nozzle kit, open end connection



INVAKO
PROFESSIONAL SPRAYING EQUIPMENT

AAS spray guns accessories

LP HOOK WAND FULL CONE

Wand for low pressure air assisted application, incl. hose



Item #	Description	Length wand	Hose	Connection	Nozzle end
30730	Hook wand 90°	180 mm	650 mm/20 BAR	Quick coupling mini	4 mm full cone
30733	Hook wand 45°	300 mm	650 mm/20 BAR	Quick coupling mini	8 mm full cone
30731	Hook wand 45°	300 mm	650mm/20 BAR	Quick coupling mini	6 mm full cone

**Other lengths available on request.*

HOOK WAND FULL CONE

Wand for low pressure air assisted application, exl. hose



Item #	Description	Length wand	Connection	Nozzle end
30728	Hook wand 90°	180 mm	Quick coupling mini	4 mm full cone
30732	Hook wand 45°	300 mm	Quick coupling mini	6 mm full cone
30790	Hook wand 45°	300 mm	Quick coupling mini	8 mm full cone

**Other lengths available on request.*

FLEXIBLE NOZZLE

Flexible nozzle for low pressure air assisted application





Item #	Description	Length	Dim D/d	Connection	Nozzle
30722	Flexible nozzle	1 500 mm	6/4	Quick coupling mini	360° + Front
30723	Flexible nozzle	1 500 mm	6,4	Quick coupling mini	360° ball
30724	Flexible Steel Hose	1 500 mm	8 mm		360° + Front
30725	Flexible Steel Hose	1 500 mm	8 mm		360° ball

**Other lengths available on request.*

INVAKO
PROFESSIONAL SPRAYING EQUIPMENT

AAS Nozzels

Nozzle ball

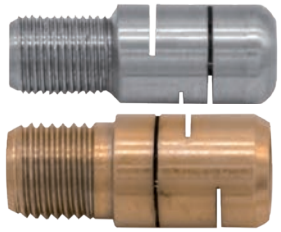
Ball nozzle for low pressure air assisted application



Item #	Description	Angle	Threads	Color
30744	Nozzle ball 180° BR	180°	4,5 mm	bronze
30749	Nozzle ball 360° BR	360°	4,5 mm	bronze
30758	Nozzle ball 360° BR	360°	M6 inside	bronze

180/360 RADIAL

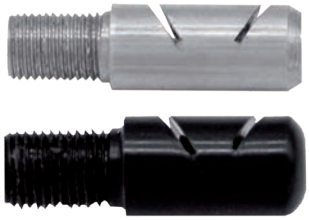
Low pressure 180/360° radial nozzles



Item #	Description	Angle	Threads	Color
30742	Nozzle 360° S0.3 F	360°	M3	steel
30743	Nozzle 360° S0.5 F	360°	M3	steel
30751	Nozzle 360° S0.5 F	360°	M4	steel
30752	Nozzle 180° S0.3 FB	180°	M6	bronze
30754	Nozzle 360° S0.3 F	360°	M6	steel
30759	Nozzle brass 360° S0.3	360°	M6	steel

180/360° 45°

Low pressure 180/360° 45°



Item #	Description	Angle	Threads	Color
30745	Nozzle 180° S0.3	180°	4,5	steel
30747	Nozzle composite 180° S0.3	180°	4,5	black
30750	Noxxle composite 360° S0.3	360°	4,5	black

180/360° RADIAL

Low pressure 360 radial nozzle for low pressure flexible hoses



Item #	Description	Angle	Hose dim	Color
30766	Nozzle Brass	Front	3,3 mm	bronze
30767	Nozzle brass	360°	3,3 mm	bronze

INVAKO
PROFESSIONAL SPRAYING EQUIPMENT

AAS Accessories

EXTENSION HOSE

Complete with handle



Item #	Description	Length	Connection	Max WP
30720	Extension hose	1000 mm	Quick coupl European male x female	20 Bar

DUO HOSE

Duo hose for air assisted spraying



Item #	Description	Length	Dim D/d	Max WP
30537	Hose Duo 15/10 10 mtr 1/4" FM Inner Hose	10 mtr	15/10	20 bar
31540	Hose Duo Std Black x 2 MAW 1/4'' Airmix	10 mtr	1/4''FS + 2 x 3,8''FS	20 bar
31554	Airmix Twin Hose Maw 1/4''	15 mtr	1/4'' FS + 2 x 3,8'' FS	20 bar

**Other dimensions available on request.*

**Max pressure at 20°C.*

DUO HOSE PUR

Duo hose PUR for air assisted spraying, blue/black



Item #	Description	Length	Dim D/d	Max WP
30711	Hose PUR Duo Blue/Black	1 mtr	6/4	20 bar
30840	Hose PUR Duo Blue/Black	10 mtr	6/4	20 bar

**Other dimensions available on request.*

**Max pressure at 20°C.*

DUO HOSE PUR SPIRAL

Duo hose PUR Spiral for air assisted spraying, blue/black



Item #	Description	Length	Dim D/d	Max WP
30840	Hose PUR Duo Spiral Blue/Black	10 mtr	6/4	20 bar
31230	Hose PUR Duo Spiral Blue/Black	10 mtr	8/6	20 bar

**Other dimensions available on request.*

**Max pressure at 20°C.*

MAW HOSE

Duo hose PUR Spiral for air assisted spraying, blue/black



Item #	Description	Length	Dim D/d	Max WP
31540	Duo Maw Airmix hose, strd black	10 mtr		
31554	Duo Maw Airmix Twon hose	15 mtr		

**Other dimensions available on request.*

AAS Accessories

TROLLEY

For 1/4 drum



Item #	Description
30905	Trolley for 60L. 1/4 drum

TROLLEY

Easy move



Item #	Description
30858	Trolley "Easy move" for 1/1 Drum

TROLLEY

For 16-25 kg pail



Item #	Description
31429	Trolley for 16 - 25 kg pail straight handle

INVAKO
PROFESSIONAL SPRAYING EQUIPMENT

Equiptment & accessories

SILICON DRUM HEATER BELTS

Silicone heating belt for drums with analog controller 0-120°C



Item #	Description	Drum size	Voltage	Watts
30509	Heating belt analog 0-120°C, 230V 1000W - 200L drum	200L	230V	1000W
31620	Heating belt analog 0-120°C, 230V 800W - 105L drum	105L	230V	800W
31621	Heating belt analog 0-120°C, 230V 500W - 50L drum	50L	230V	500W
31622	Heating belt analog 0-120°C, 230V 300W - 25L drum	25L	230V	300W

**Power connector sold separately.*

**110V version available on request.*

DRUM HEATER 0 - 90°C

Drum heater with digital controller 0 - 90°C



Item #	Description	Drum size	Voltage	Watts
31307	Drum Heater digital 0-90°C, 230V 1200W - 200L drum	200L	230V	1200W
31629	Drum Heater digital 0-90°C, 230V 400W - 105L drum	200L	230V	1500W
31631	Drum Heater digital 0-90°C, 230V 225W - 25-30L drum	25-30L	230V	225W

**Shown with lid, item #31632, power connector sold separately.*

**110V version available on request.*

INSULATION LIDS

Insulation lids for 200 ltr drums



Item #	Description
31632	Insultaion lid for 200L drum, black. Without holes
31633	Insultaion lid for 200L drum, black. With holes

BASE HEATERS

Base heaters for IBC and drums



Item #	Description	Size	Voltage	Watts
31634	Drum base heater digital 1800 W	200L Drum	230V	1 800W
31635	Drum Base heater digital 0-120°C 230V 900W	200L Drum	230V	900W
31640	Base Heater for IBC 1000 ltr PT100 sensor 0-150°C IP64	1 000L IBC	230V	2 700W

**Power connector sold separately.*

Equiptment & accessories

IBC HEATERS

IBC Heating Jackets & Lids



Item #	Description	IBC Size	Voltage	Watts
31589	IBC heater with digital controller, single band 0-40°C - 1000L	1000L	230V	1300W
31624	IBC heater with digital controller, dual band 0-90°C - 1000L	1000L	230V	2 x 1000W
31625	IBC heater with digital controller, triple band 0-90°C - 1000L	1000L	230V	3 x 1000W
31626	IBC heater with digital controller, dual band 0-90°C - 1000L	640L	230V	2 x 1000W
31597	Insulated lid with center top opening flap - 1000L IBC	1000L	NA	NA
31627	Insulated lid with center top opening flap - 640L IBC	640L	NA	NA

**Shown with lid, item #11-9861D, power connector sold separately.*
**110V version available on request.*

HEATED MAT

Heated Mat



Item #	Description	Size	Tempera-ture	
31626	Heated Mat	2 x 1 meter	0 - 120°C	230V/1800W
31630	Heated mat	3 x 1 meter	70°C	IP67-class
31637	Heatingmat	1 x 0,5 meter	0 - 120°C	230V/450W
31740	Heating Cover Special Ultraheat Night blue	1 x ,05 meter		270W

Sold with 2 meter cable. Also available in size 6 x 0,8 meter

POWER CONNECTORS

Power Connectors





Item #	Description	Max A	Voltage	IP Rating
30853	Mains Plug PU Euro 16 Amp IP44	16	230	IP44

HEATED HOSE

High pressure heated hose

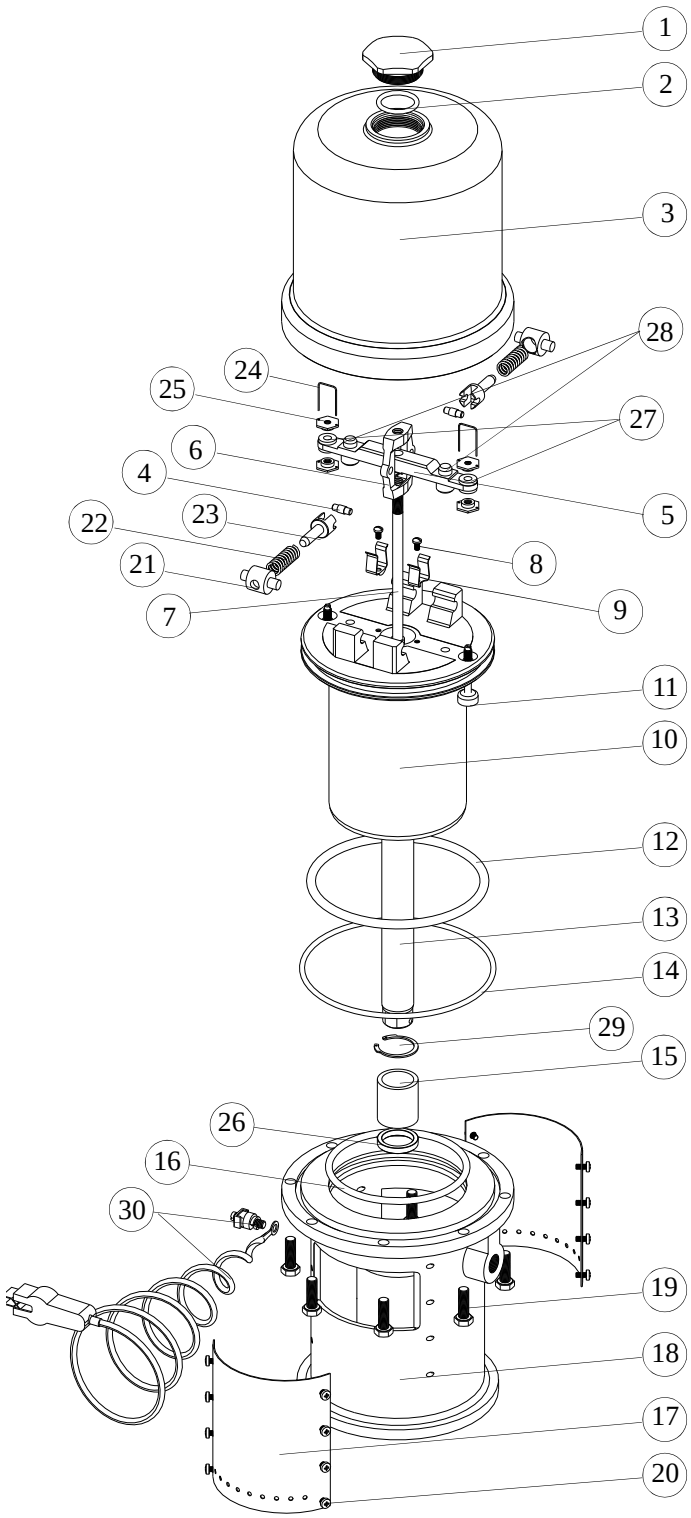


Item #	Description	Inlet	Outlet	Max WP
30507	Heated hose incl. controller	1/8" BSP female swivel	1/8" BSP male	360 bar
30508	Heated hose exl. controller	1/8" BSP female swivel	1/8" BSP male	360 bar

INVAKO
PROFESSIONAL SPRAYING EQUIPMENT

Tel-30; Technical Drawing & Spare part list

INVAKO ATLA 30 INOX | **Air motor**

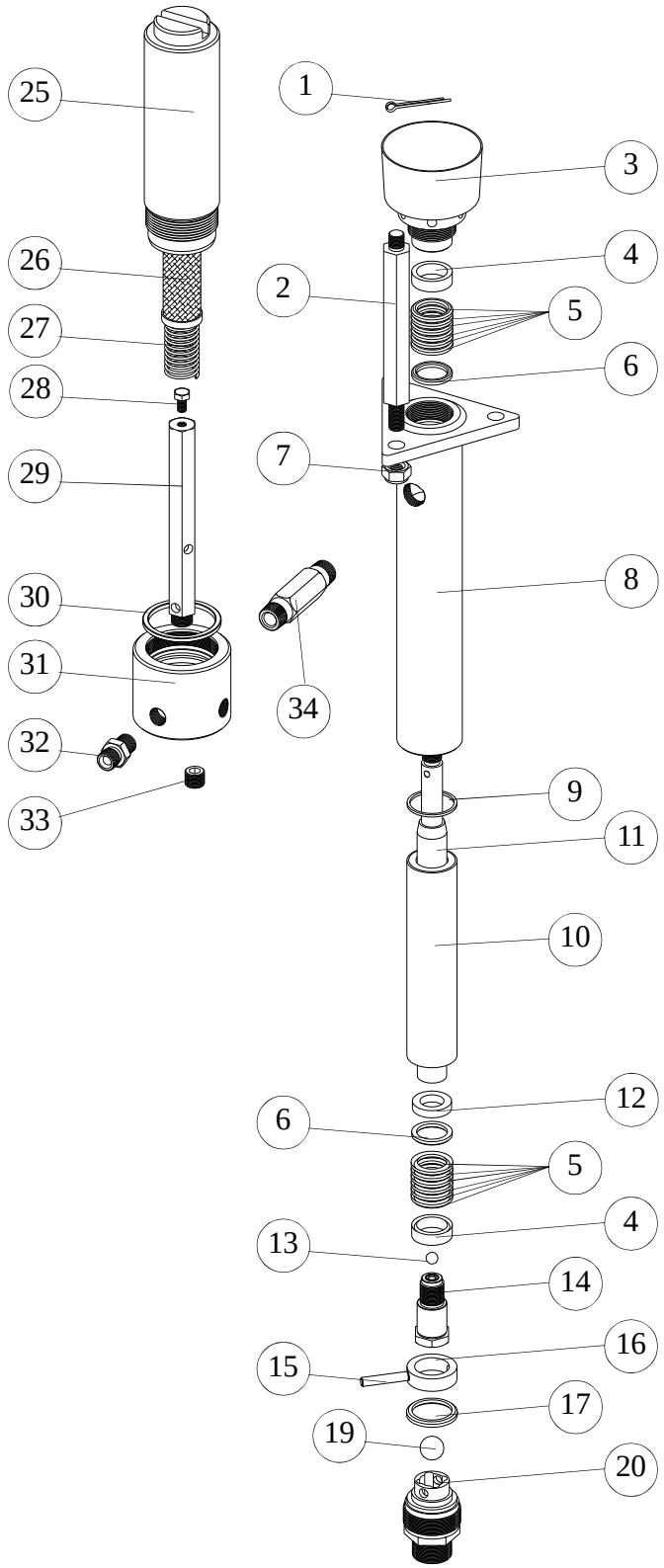


No.	Item #	Q	Description
1	31065	1	Top Cap for Housing
2	31066	1	Joint for Top Cap
3	31077	1	Housing for Air Motor
4	31068	2	Mounting Rod for Rocker
5	31067	1	Support
6	31070	1	Support Yoke
7	31071	1	Support Rod
8	31072	2	Screw for Clip
9	31073	2	Clip
10	31074	1	Air Motor Piston Housing
11*	31075	2	Connecting Stem
12*	31076	1	Piston Housing Joint for Air Motor
13	31077	1	Piston Rod Air Motor
14*	31078	1	Bottom Joint for Air Motor
15	31079	1	Bottom Sleve Piston Rod Air Motor
16*	31080	1	Joint for Base
17	31081	2	Information Plate Aluminium
18	31082	1	Air Motor Base
19	31083	6	Base to Top Mounting Screw
20	31084	16	Screw for Information Plate
21	31085	2	Rocker
22	31086	2	Rocker Spring
23	31087	2	Rocker Rod
24*	31088	2	Clip for Yoke
25	31089	4	Nut for Yoke
26	31090	1	Bottom Joint for Sleve
27*	31091	2	Joint for Yoke
28*	31092	2	Inner Joint for Yoke
29	31093	1	Retainer for Piston Rod
30	30875	1	Ground Cable

**Included in Kit 30978, Service Kit Air Motor.*

Tel-30; Technical Drawing & Spare part list

INVAKO ATLA 30 INOX | **Displacement pump**



No.	Item #	Q	Description
1	31037	1	Fixing Pin
2	31038	3	Displacement to Housing Tie
3	31039	1	Packing Nut
4*	31040	**2**	Female Gland
5*	31041	12	Piston Packing
6*	31042	2	Male Gland
7	31043	3	Nutt for Piston Housing
8	31044	1	Piston Housing
9	31045	1	Piston Joint
10	31046	1	Piston Sleve
11	31047	1	Piston Rod
12	31048	1	Washer
13	31049	1	Top Ball
14	31050	1	Piston
15	31051	1	Pin for Retainer
16	31052	1	Retainer
17	31053	1	Joint
19	31054	1	Bottom Ball
20	31055	1	Bottom Valve for Pump Suction
25	31056	1	Filter House Cover
26	Filter*	1	*Filter for Filter House
27	31057	1	Filter House Spring
28	31058	1	Support Screw
29	31059	1	Inside Support Rod for filter house
30	31006	1	Joint
31	31061	1	Bottom Body
32	31062	1	Exstension Fitting
33	31063	2	Drain Plug
34	31064	1	Outlet Fitting

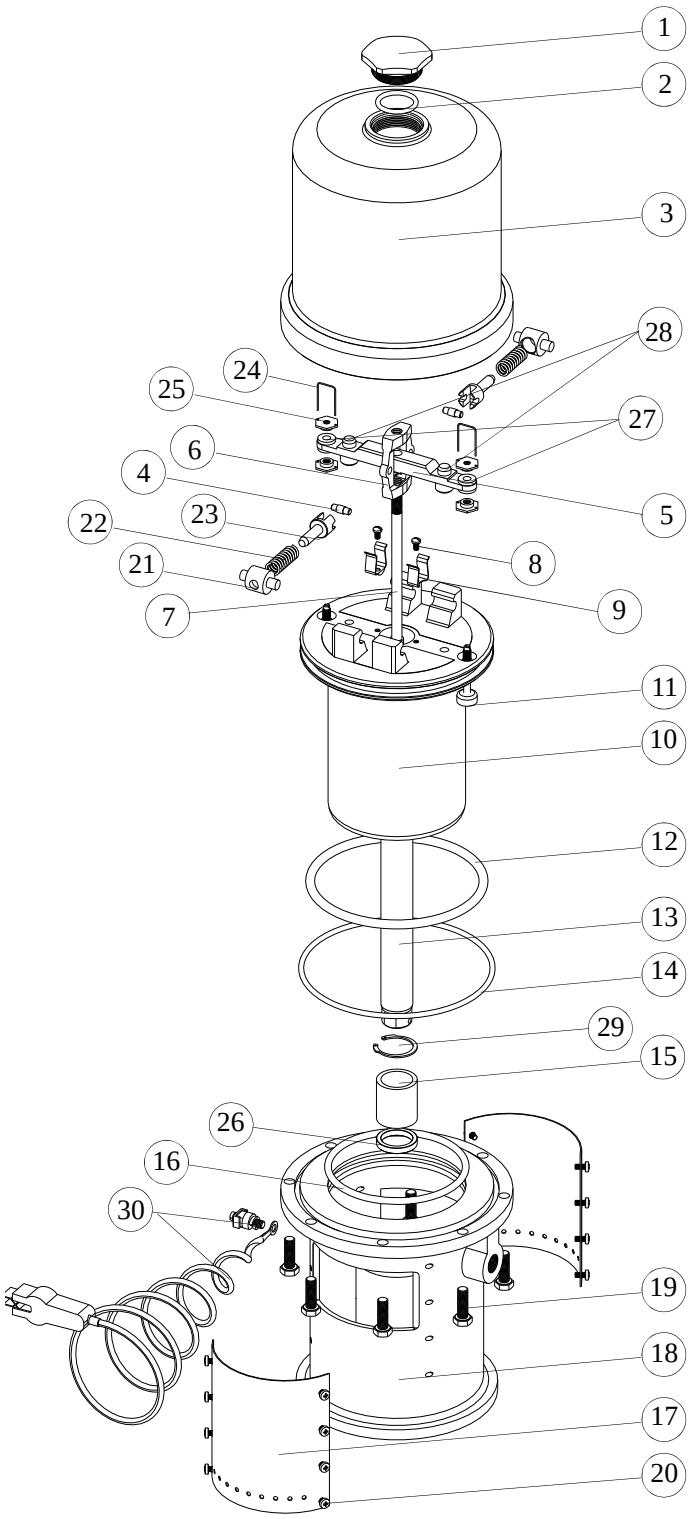
**Included in Kit 30977, Service Kit Hydraulic.*

Pos 26 - Filter: See page 8 for available mesh sizes.

INVAKO
PROFESSIONAL SPRAYING EQUIPMENT

Atla 46 Inox; Technical Drawing & Spare part list

INVAKO ATLA 46 INOX | Air motor

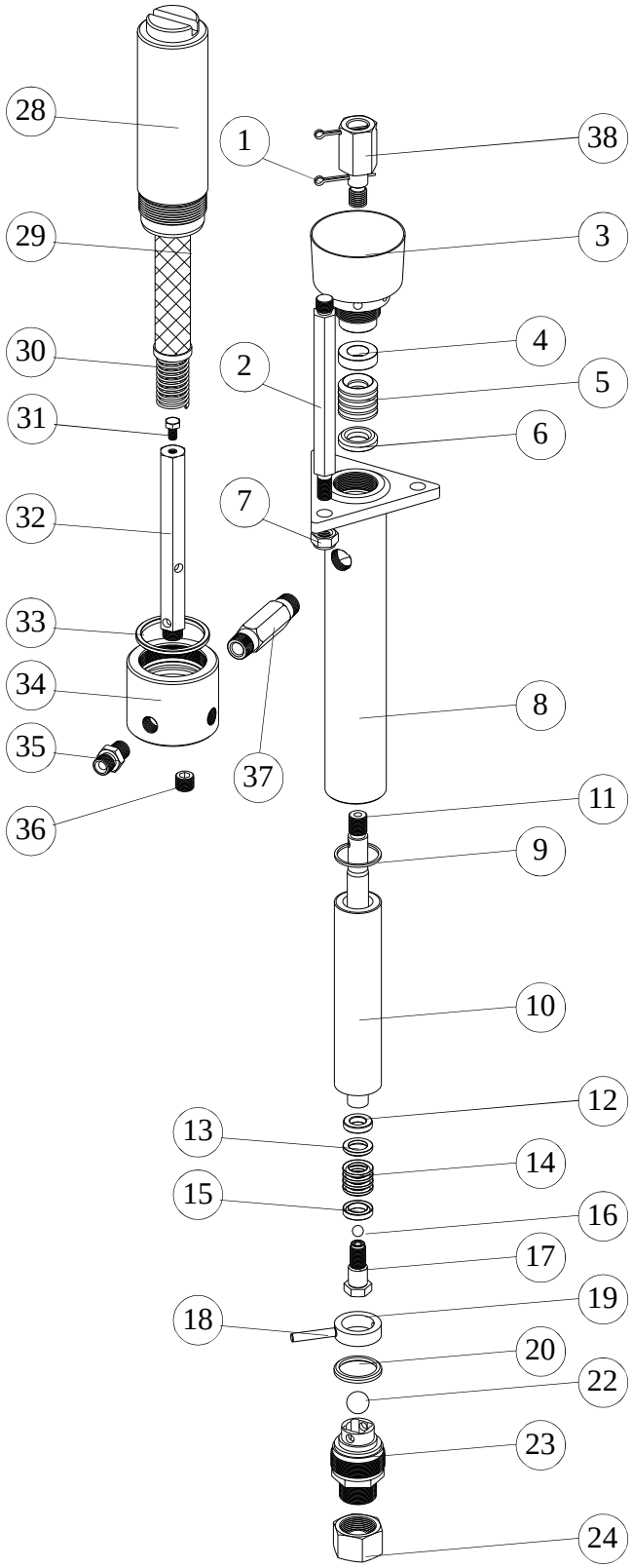


No.	Item #	Q	Description
1	31065	1	Top Cap for Housing
2	31066	1	Joint for Top Cap
3	31077	1	Housing for Air Motor
4	31068	2	Mounting Rod for Rocker
5	31067	1	Support
6	31070	1	Support Yoke
7	31071	1	Support Rod
8	31072	2	Screw for Clip
9	31073	2	Clip
10	31074	1	Air Motor Piston Housing
11*	31075	2	Connecting Stem
12*	31076	1	Piston Housing Joint for Air Motor
13	31077	1	Piston Rod Air Motor
14*	31078	1	Bottom Joint for Air Motor
15	31079	1	Bottom Sleve Piston Rod Air Motor
16*	31080	1	Joint for Base
17	31081	2	Information Plate Aluminium
18	31082	1	Air Motor Base
19	31083	6	Base to Top Mounting Screw
20	31084	16	Screw for Information Plate
21	31085	2	Rocker
22	31086	2	Rocker Spring
23	31087	2	Rocker Rod
24*	31088	2	Clip for Yoke
25	31089	4	Nut for Yoke
26	31090	1	Bottom Joint for Sleve
27*	31091	2	Joint for Yoke
28*	31092	2	Inner Joint for Yoke
29	31093	1	Retainer for Piston Rod
30	30875	1	Ground Cable

**Included in Kit 30978, Service Kit Air Motor.*

Atla 46 Inox; Technical Drawing & Spare part list

INVAKO ATLA 46 INOX | **Displacement pump**



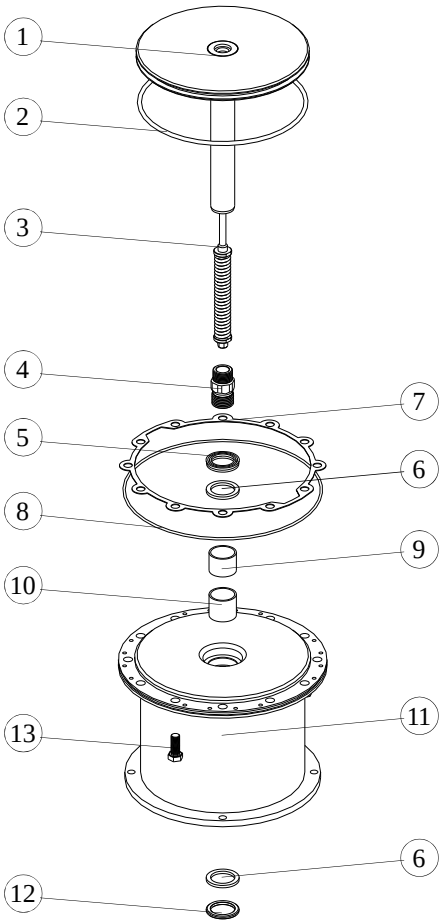
No.	Item #	Q	Description
1	31037	2	Fixing Pin
2	31124	3	Displacement to Housing Tie 46
3	31039	1	Packing Nut
4*	31095	1	Female Gland
5*	31096	5	Piston Packing
6*	31097	1	Male Gland
7	31043	3	Nut for Piston Housing
8	31044	1	Piston Housing
9	31045	1	Piston Joint
10	31098	1	Piston Sleve
11	31099	1	Piston Rod
12	31100	1	Washer
13*	31101	1	Male Gland Lower Piston Sleve
14*	31102	4	Packing Lower Piston
15*	31103	1	Female Gland Lower Piston Sleve
16	31049	1	Topp Ball
17	31104	1	Piston
18	31051	1	Pin for Retainer
19	31052	1	Retainer
20	31053	1	Joint
22	31054	1	Bottom Ball
23	31055	1	Bottom Valve for Pump Suction
28	31056	1	Filter House Cover
29	Filter*	1	*Filter for Filter House
30	31057	1	Filter House Spring
31	31058	1	Support Screw
32	31059	1	Inside Support Rod
33	31060	1	Joint
34	31061	1	Bottom Body
35	31062	1	Extension Fitting
36	31063	2	Bottom Plug
37	31064	1	Outlet Fitting
38	31105	1	Upper Union Rod

**Included in Kit 30977, Service Kit Hydraulic.*
Pos 29 - Filter: See page 8 for available mesh sizes.

INVAKO
PROFESSIONAL SPRAYING EQUIPMENT

Invako Thor 75; Technical Drawing & Spare part list

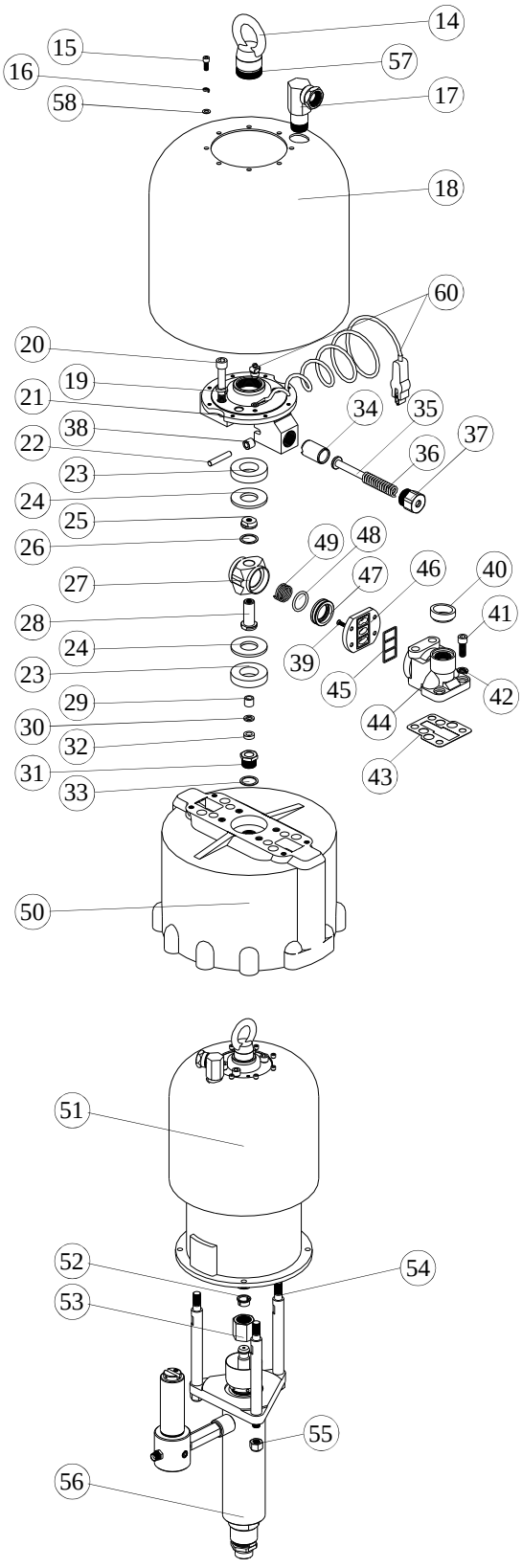
INVAKO THOR 75 INOX | Air motor



No.	Item #	Q	Description
1	31125	1	Piston
2	31126	1	O-ring for piston
3	31127	1	Piston Shaft
4	31128	1	Connector
5	31129	1	Packing
6	31130	2	Joint
7	31131	1	Joint
8	31132	1	O-ring Top Motor Body
9	31133	1	Sleve
10	31134	1	Sleve
11	31135	1	Motor Body
12	31136	1	Joint
13	31137	12	Screw

Invako Thor 75; Technical Drawing & Spare part list

INVAKO THOR 75 INOX | **Displacement pump**

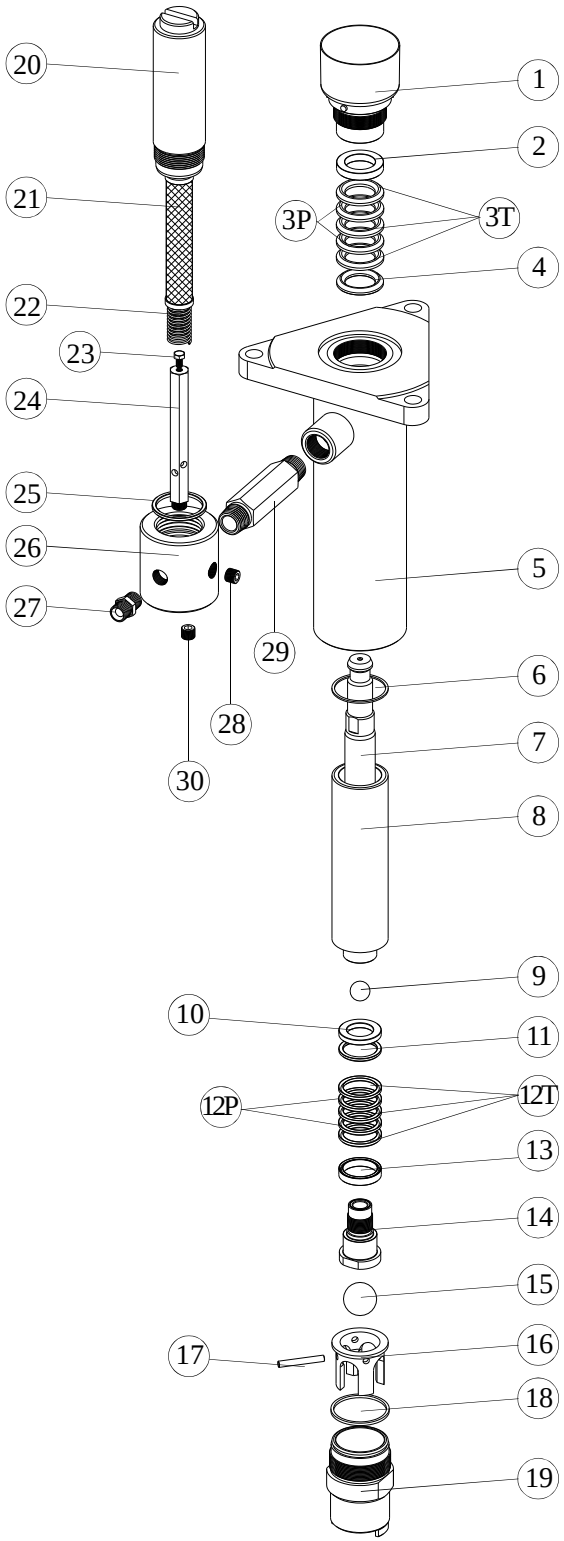


No.	Item #	Q	Description
14	31138	1	Lifting Ring
15	31139	8	Screw for Housing
16	31140	8	Spring Washer
17	31141	1	Air Inlet
18	31142	1	Housing for Air Motor
19	31143	4	Spring Washer
20	31144	4	Screw
21	31145	1	Support
22	31146	2	Pin
23	31147	2	Joint for support
24	31148	2	Seat for support
25	31149	1	Nut
26	31150	1	Spring Washer
27	31151	1	Air Valve Housing
28	31152	1	Hub for Air Valve Housing
29	31153	1	Sleve
30	31154	1	Joint
31	31155	1	Connector
32	31156	1	Packing
33	31157	1	Joint
34	31158	2	Plunger
35	31159	2	Spring Detent
36	31160	2	Spring
37	31161	2	Spring Retainer
38	31162	2	Rollger for Support
39	31163	8	Screw for Valve Seat
40	31164	1	Joint for Valve Body
41	31165	4	Screw for Valve Body
42	31166	4	Spring Washer for Valve Body
43	31167	2	Joint for Valve Body
44	31168	2	Valve Body
45	31169	2	Joint for Valve Seat
46	31170	2	Valve Seat
47	31171	2	Valve
48	31066	2	Joint For Top Cap
49	31172	2	Spring for Air Valve Housing
50	31173	1	Air Motor inner Cylinder
51	31174	1	Air Motor Housing
52	31175	2	Sleve
53	31176	1	Nut for Piston Rod Mount
54	31177	3	Spacing rod
55	31178	3	Nut for Spacer
56	31179	1	Displacement Assembly
57	31180	1	Spring for Lifting Ring
58	31181	8	Washer for Housing Screw
60	30875	1	Grounding Cable

INVAKO
PROFESSIONAL SPRAYING EQUIPMENT

Invako Thor 75; Technical Drawing & Spare part list

INVAKO THOR 75 INOX | **Rod & Piston**

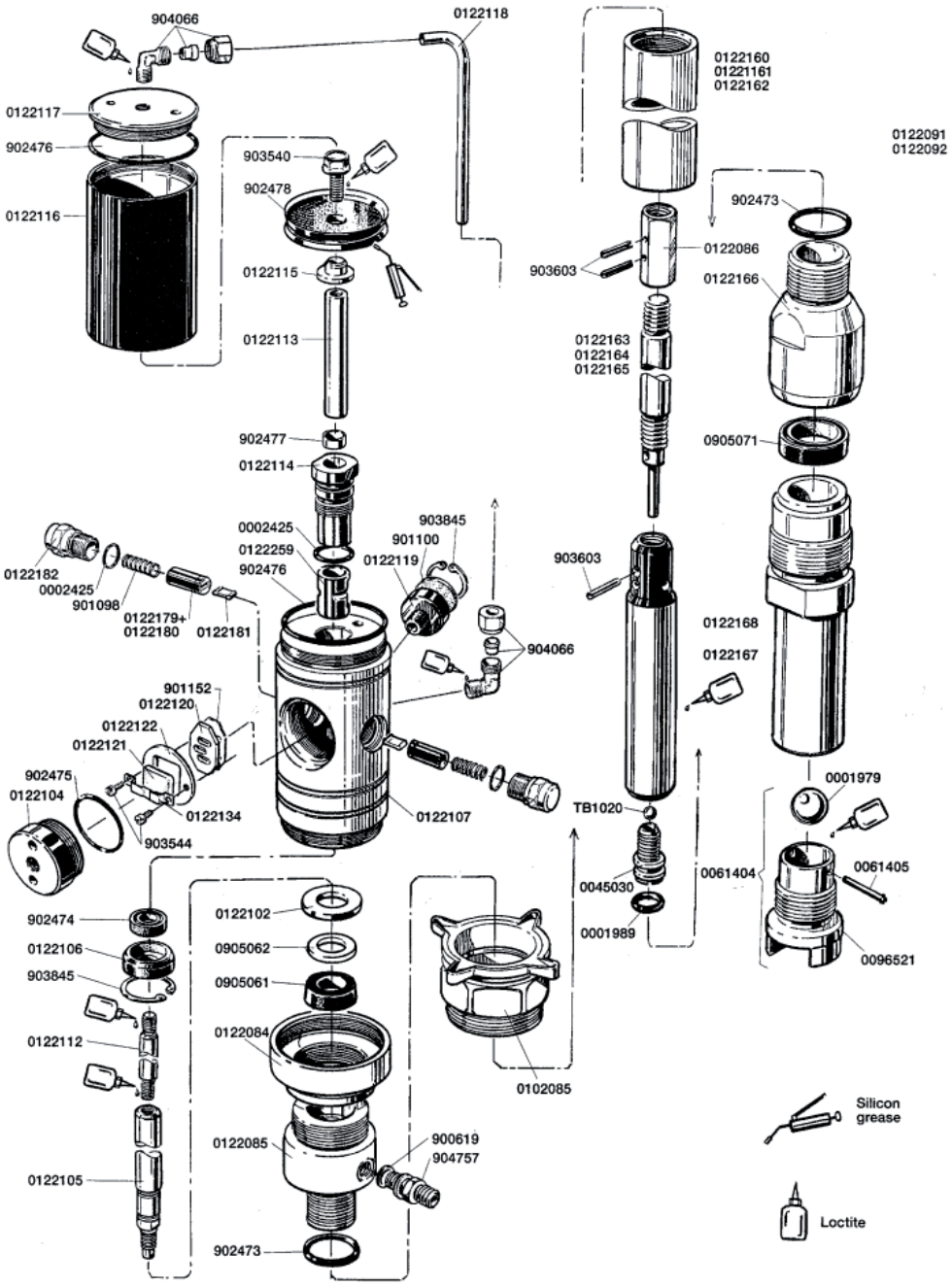


No.	Item #	Q	Description
1	31182	1	Packing Nut Thor HD
2*	31183	1	Female Gland Thor HD
3T*	31184	3	Packing for Rod Top
3P*	31185	2	Packing for Rod Top
4*	31186	1	Male Gland for Rod Top
5	31187	1	Piston Housing
6	31188	1	PTFE Joint for Piston Rod
7	31189	1	Piston Rod
8	31190	1	Piston Sleve
9	31191	1	Topp Ball Thor 75 HD
10	31192	1	Retainer
11*	31193	1	Male Gland
12T*	31194	3	Packing for Piston Sleve
12P*	31195	2	Packing for Piston Sleve
13*	31196	1	Female Gland for Piston
14	31197	1	Piston
15	31198	1	Bottom Ball
16	31199	1	Guide for Bottom Ball
17	31200	1	Pin for Ball Guide
18	31201	1	PTFE Joint for Intake Valve
19	31202	1	Intake Valve
20	31204	1	Filter House Body XL
21	Filter*	1	*Filter for Filter House
22	31057	1	Filter House Spring
23	31526	1	Screw
24	31203	1	Innside Support Rod XL
25	31060	1	Joint
26	31204	1	Filter House Body XL
27	31205	1	Connector
28	31206	2	Plug
29	31207	1	Connector
30	31063	1	Plug

Included in Kit 31222, Service Kit Hydraulic.

Assalube; Technical drawing & spare part list

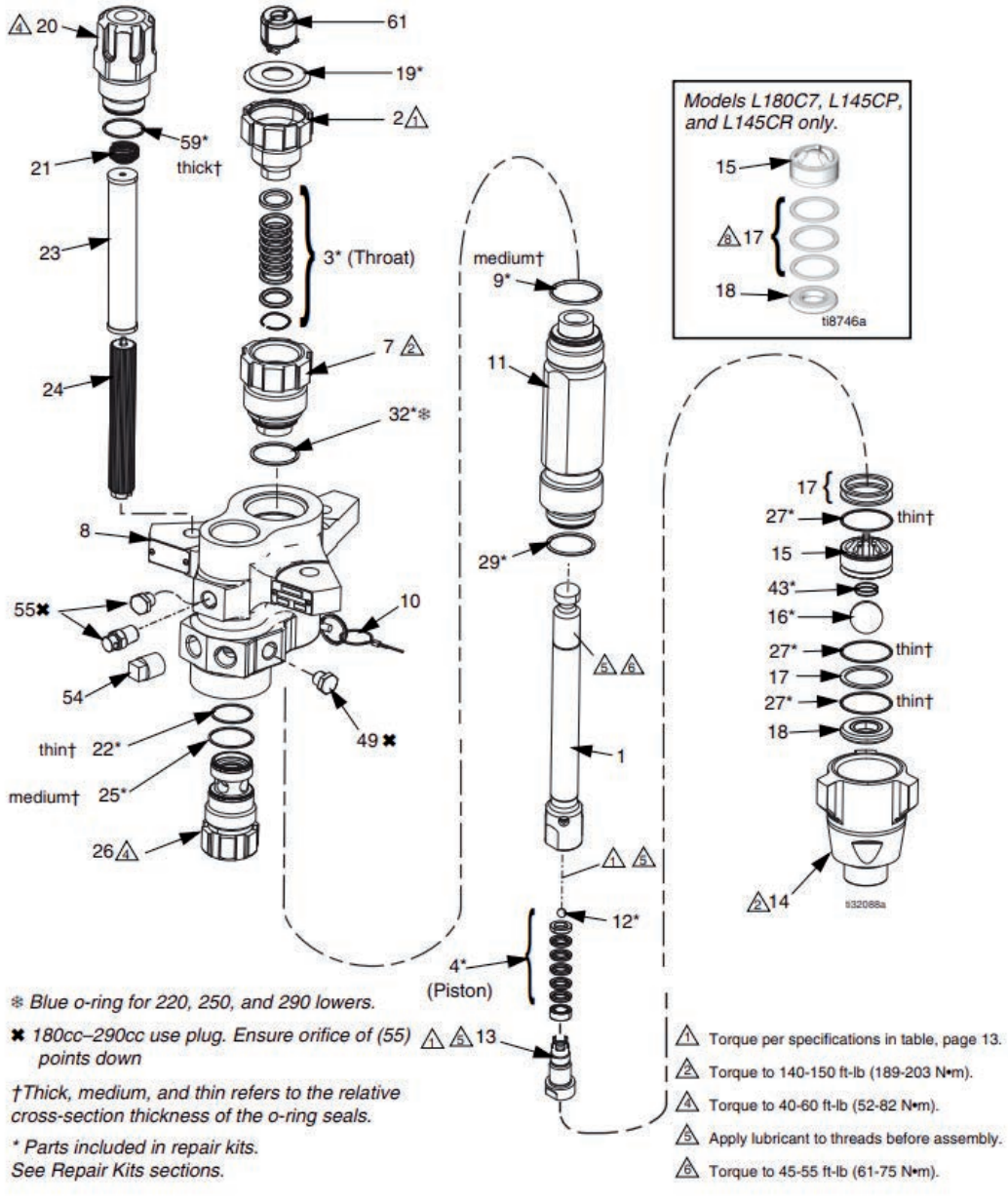
ASSALUBE



INVAKO
PROFESSIONAL SPRAYING EQUIPMENT

Graco King Sprayer; Technical drawing & spare part list

XP Sprayer Lower Models
145cc, 180cc, 220cc, 250cc, and 290cc



❄ *Blue o-ring for 220, 250, and 290 lowers.*

✖ *180cc–290cc use plug. Ensure orifice of (55) points down*

†Thick, medium, and thin refers to the relative cross-section thickness of the o-ring seals.

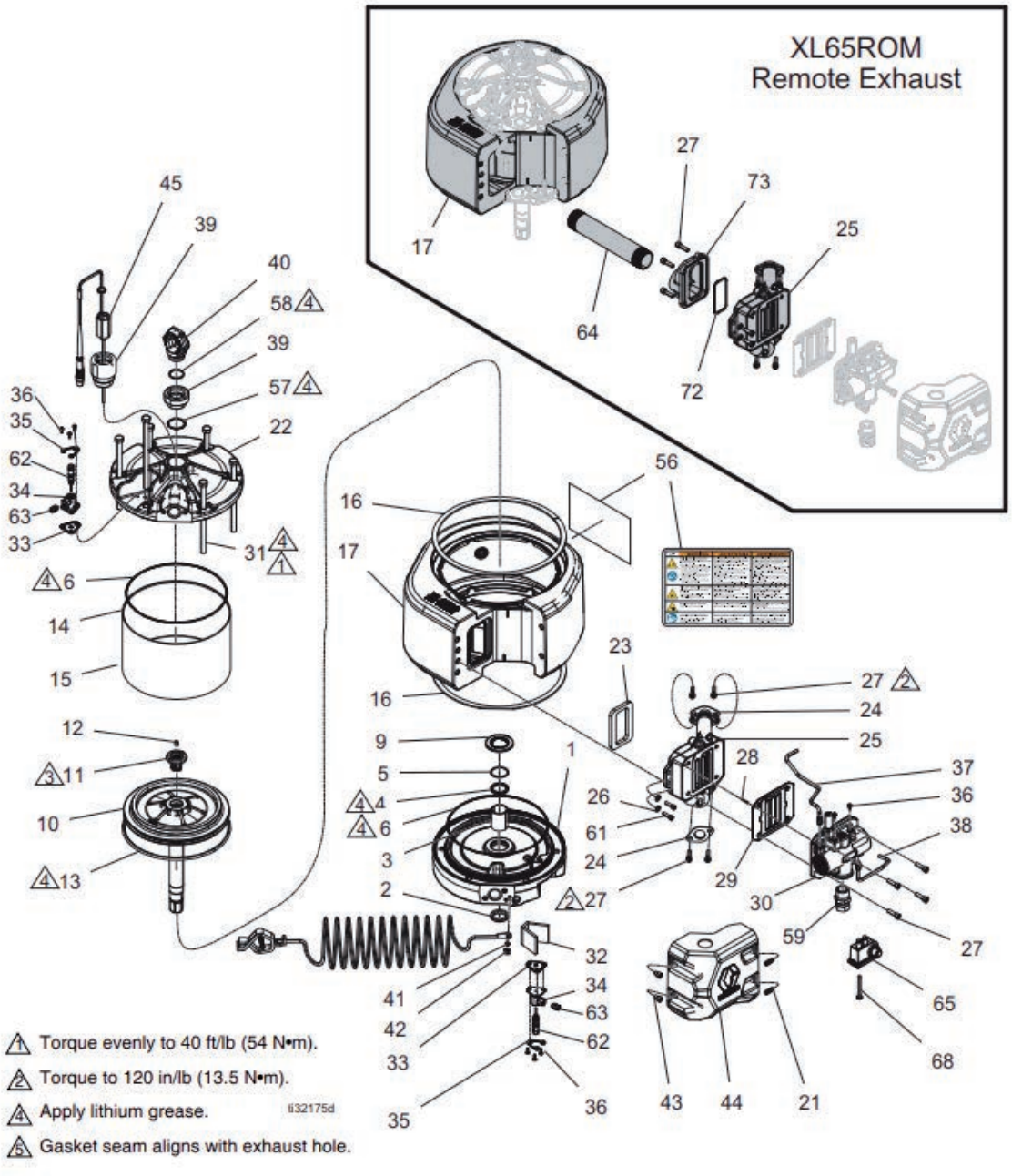
** Parts included in repair kits. See Repair Kits sections.*

1 Torque per specifications in table, page 13.
2 Torque to 140-150 ft-lb (189-203 N•m).
4 Torque to 40-60 ft-lb (52-82 N•m).
5 Apply lubricant to threads before assembly.
6 Torque to 45-55 ft-lb (61-75 N•m).

INVAKO PROFESSIONAL SPRAYING EQUIPMENT

Graco King Sprayer; Technical drawing & spare part list

GRACO | Air Motor

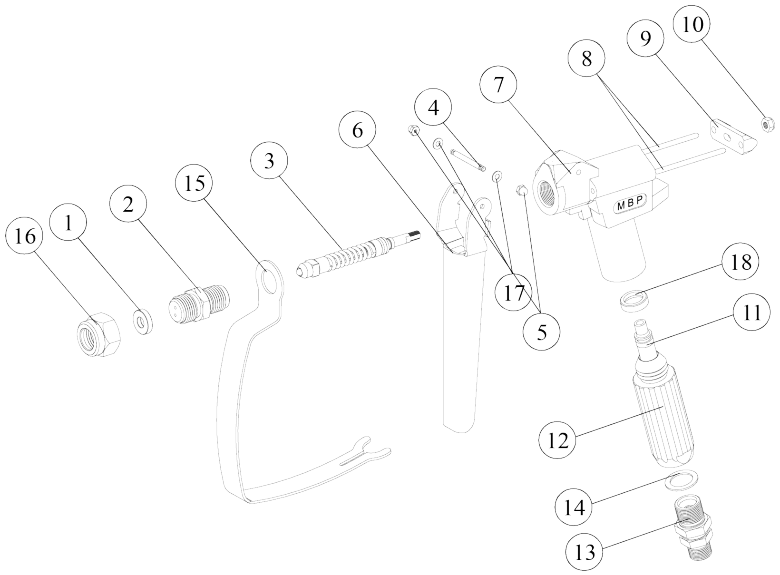


INVAKO
PROFESSIONAL SPRAYING EQUIPMENT

Spraying guns; Technical drawing & spare part list

MBP J200

Spare parts diagram

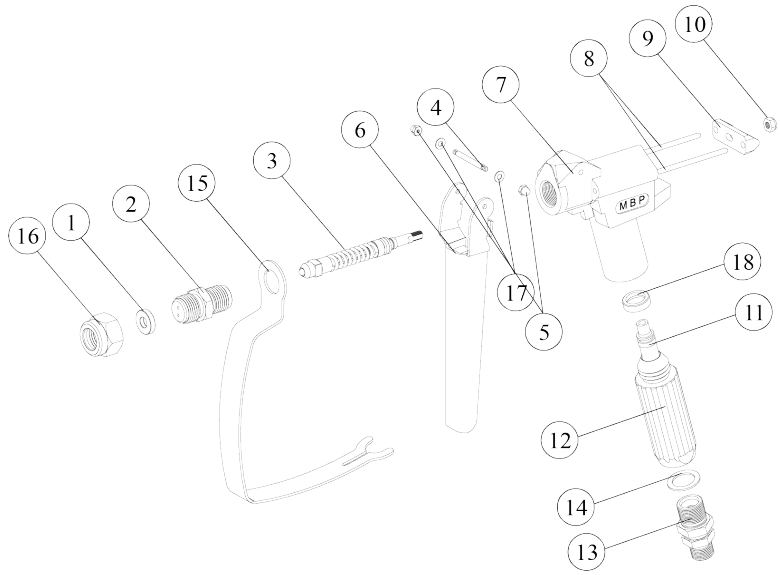


No.	Item #	Description
1	30810	Nylon Washer
2	30869	Needle Seat
3	30525	Needle Set Complete J200
4	30526	Trigger Pin MBP
5	30871	Nut for Trigger Pin
6	30528	Trigger
7	31108	Gun Body
8	30529	Valve Pin
9	30867	Cap for Pin
10	30868	Nut for Cap
11	30066*1	Filter 100 Mesh (Standard)
12	31106	Handle
13	31107	Racord 1/4 (Other dim. on request)
14	30292	Joint
15	30293	Guard
16	30523	Nut Stainless Steel
17	30519	Washer
18	30524	Nylon Ring

**1 x 100 mesh filter included.*

MBP J600

Spare parts diagram

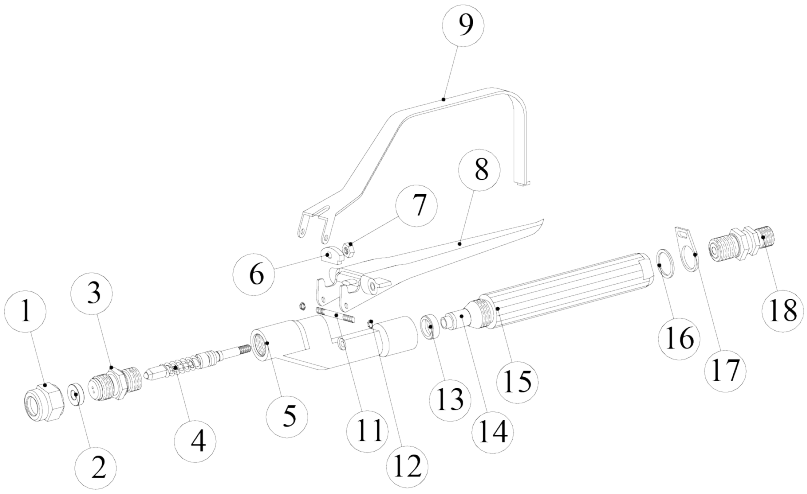


No.	Item #	Description
1	30810	Nylon Washer
2	30869	Needle Seat
3	31109	Needle Set Complete J600
4	30526	Trigger Pin MBP
5	30871	Nut for Trigger Pin
6	30528	Trigger
7	31108	Gun Body
8	30529	Valve Pin
9	30867	Cap for Pin
10	30868	Nut for Cap
11	30066	Filter 100 Mesh (Standard)
12	31761	Handle
13	31107	Racord 1/4 (Other dim. on request)
14	30292	Joint
15	30293	Guard
16	30523	Nut Stainless Steel
17	30519	Washer
18	30524	Nylon Ring

**1 x 100 mesh filter included.*

MBP J700N

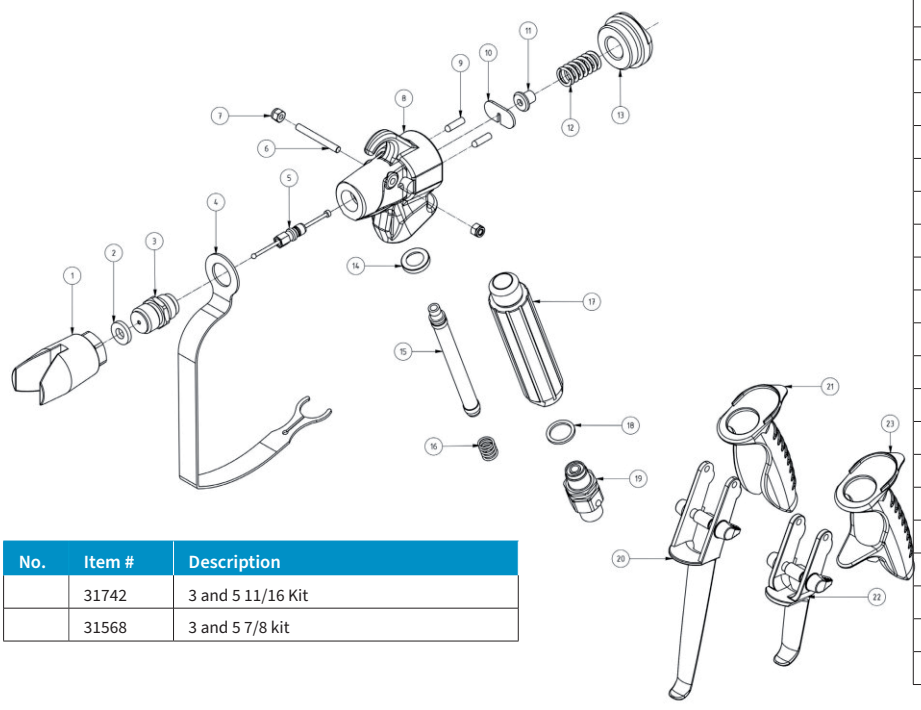
Spare parts diagram



No.	Item #	Description
1	30523	Nut Stainless Steel
2	30810	Nylon Washer
3	31110	Needle Seat Complete J700N
4	31111	Needle Set Complete J700N
5	31112	Gun Body J700N
6	31113	Cap for Pin J700N
7	30868	Nut for Cap
8	31114	Trigger J700N
9	31115	Guard J700N
11	31116	Trigger Pin J700N
12	31117	Nut for Trigger Pin
13	30524	Nylon Ring
14	30066*1	Filter 100 Mesh (Standard)
15	31118	Handle J700N
16	31119	O-ring
17	31120	Connecting Plate Guard
18	31107	Racord 1/4 (Other dim. on request)

RST2 GUN

Spare parts diagram



No.	Item #	Description
	31742	3 and 5 11/16 Kit
	31568	3 and 5 7/8 kit

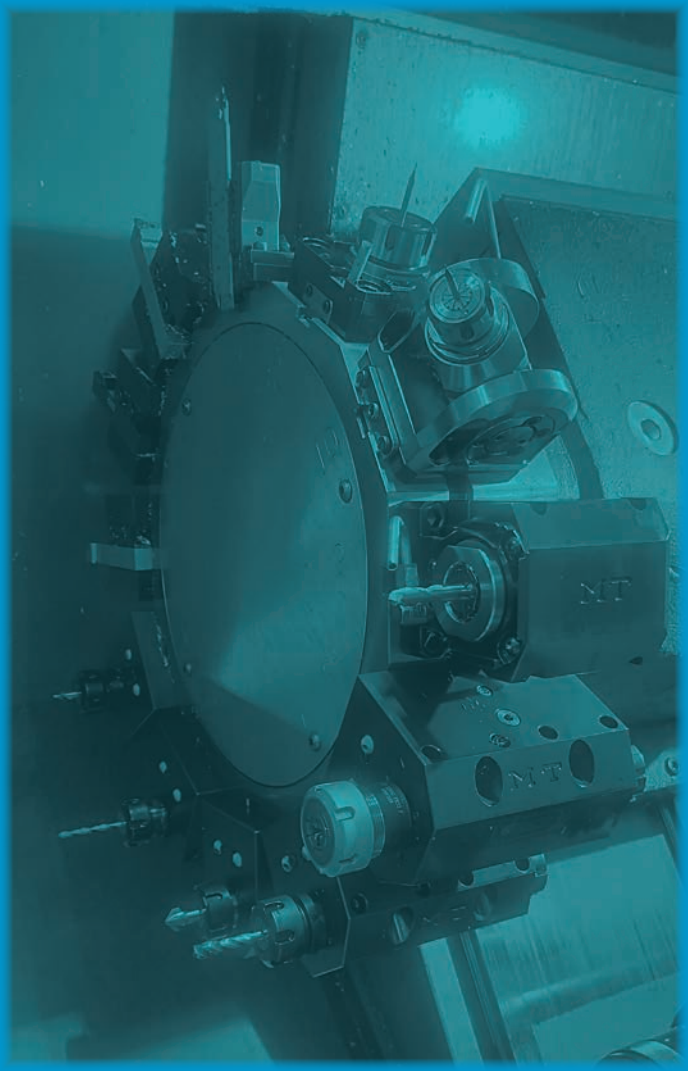
No.	Description
1	NUT
2	ST Nozzle Seal
3	Diffuser
4	Hand guard
5	Complete Needle
6	Trigger Screw
7	Trigger screw nut
8	RST2 Gun Body
9	RST2 Push rod trigger
10	RST2 Internal plate
11	Spring Pin
12	Spring
13	Plug RST2
14	Nylon gasket handle
15	Gun filter
16	Filter spring
17	Black Handle Gun
18	Copper handle gasket
19	Swivel Connection
20-23	Four Finger Trigger / Two Finger Trigger/handle

INVAKO
PROFESSIONAL SPRAYING EQUIPMENT

05 Where To Find Us

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