

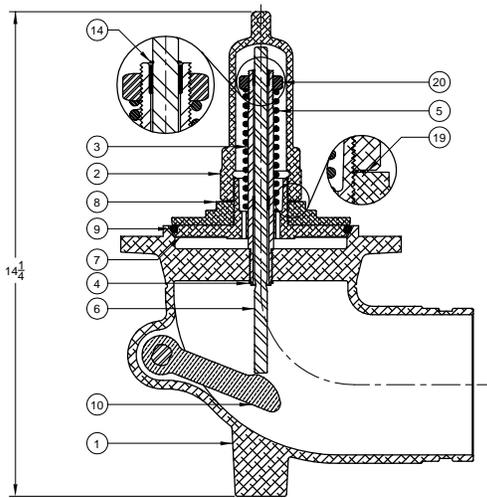
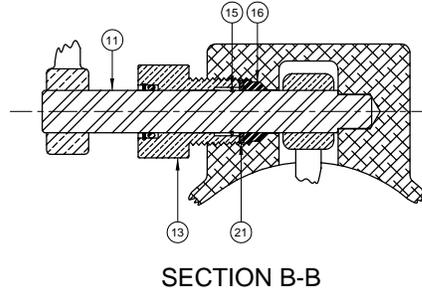
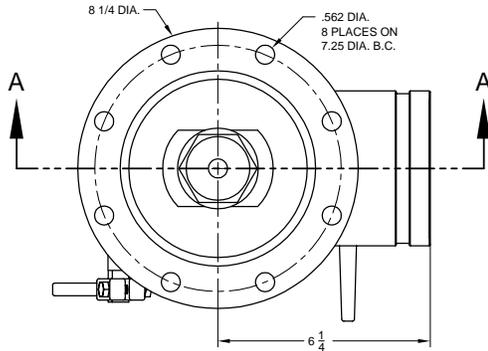
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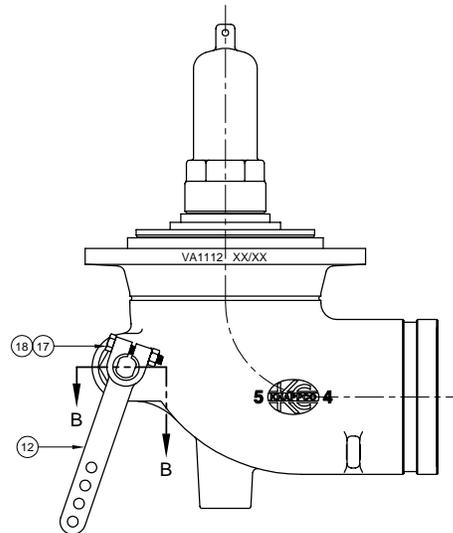
*Over 8,000 Part Numbers – Over 26,000 Square Feet of Warehouse – We Ship Worldwide*

Rev. 0, January 2003

## VA1112 5" X 4" EMERGENCY VALVE



SECTION A-A



ITEM	PART NUMBER	DESCRIPTION	QTY.
1	7106	VALVE BODY	1
2	7363	CAP	1
3	2899	STEM ASSEMBLY	1
4	6099	RETAINING RING	1
5	5215	SPRING	1
6	7794	PUSH ROD	1
7	5087	DISC	1
8	7865	DISC LOCK NUT	1
9	7342	O-RING (TEF-O-SIL)	1
10	7898	LIFT LEVER (BRASS)	1
11	7909	LEVER SHAFT	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
12	6117	HANDLE	1
13	6427	GLAND ASSY (BRASS/TEF-O-SIL)	1
14	4094	RETAINING RING	2
15	2198	RETAINING RING	1
16	7117	PACKING (TEFLON)	2
17	5684	SCREW	1
18	5685	HEX NUT	1
19	8041	GASKET (TEFLON)	1
20	5687	JAM NUT	1
21	6024	WASHER	1

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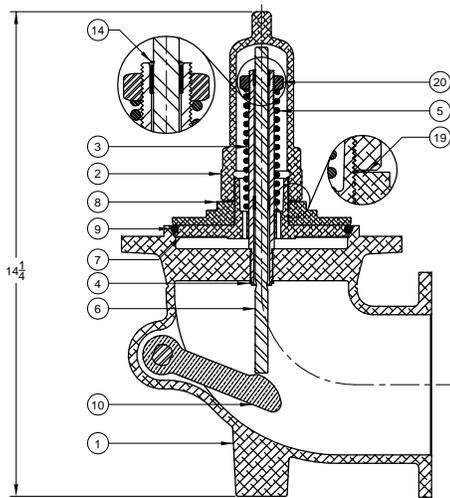
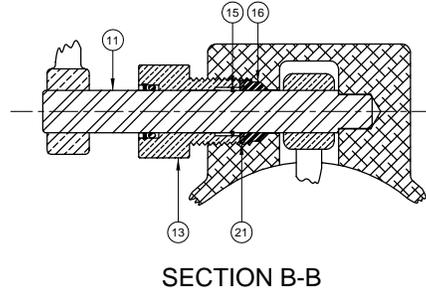
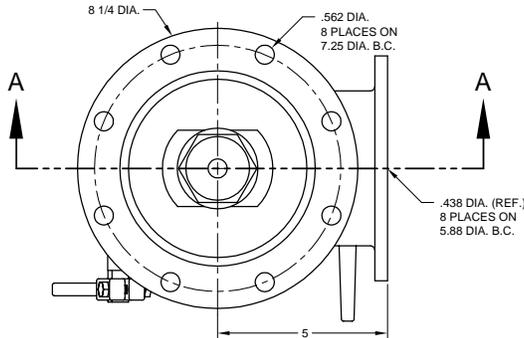
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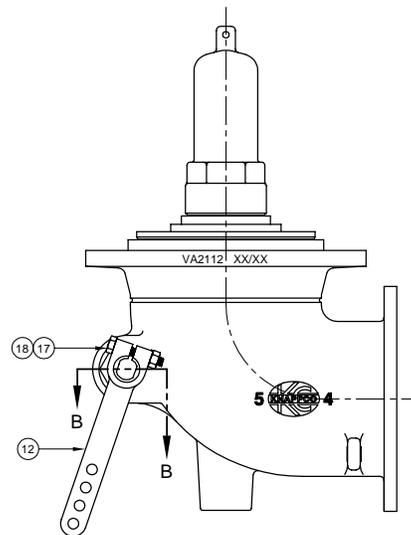
*Over 8,000 Part Numbers – Over 26,000 Square Feet of Warehouse – We Ship Worldwide*

Rev. 0, January 2003

## VA2112 5" X 4" EMERGENCY VALVE



SECTION A-A



ITEM	PART NUMBER	DESCRIPTION	QTY.
1	5086	VALVE BODY	1
2	7363	CAP	1
3	2899	STEM ASSEMBLY	1
4	6099	RETAINING RING	1
5	5215	SPRING	1
6	7794	PUSH ROD	1
7	5087	DISC	1
8	7865	DISC LOCK NUT	1
9	7342	O-RING (TEF-O-SIL)	1
10	7898	LIFT LEVER (BRASS)	1
11	7909	LEVER SHAFT	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
12	6117	HANDLE	1
13	6427	GLAND ASSY (BRASS/TEF-O-SIL)	1
14	4094	RETAINING RING	2
15	2198	RETAINING RING	1
16	7117	PACKING (TEFLON)	2
17	5684	SCREW	1
18	5685	HEX NUT	1
19	8041	GASKET (TEFLON)	1
20	5687	JAM NUT	1
21	6024	WASHER	1

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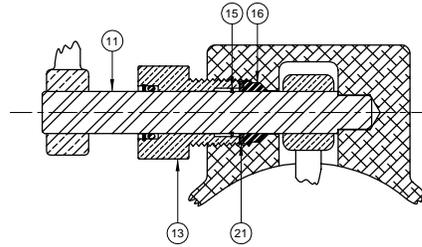
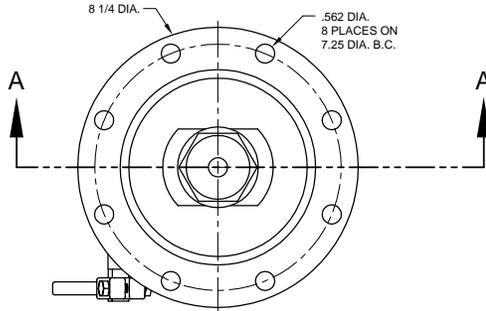
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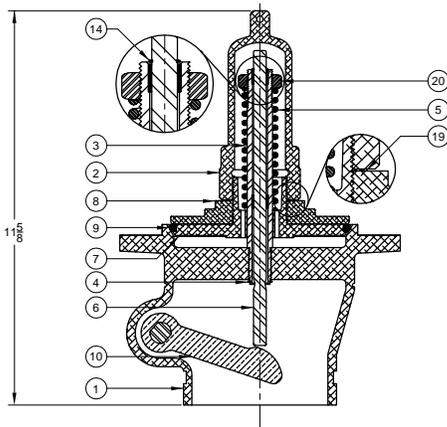
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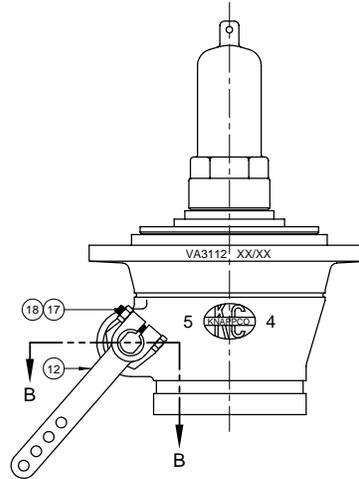
## VA3112 5" X 4" EMERGENCY VALVE



SECTION B-B



SECTION A-A



ITEM	PART NUMBER	DESCRIPTION	QTY.
1	7972	VALVE BODY	1
2	7363	CAP	1
3	2899	STEM ASSEMBLY	1
4	6099	RETAINING RING	1
5	5215	SPRING	1
6	7231	PUSH ROD	1
7	5087	DISC	1
8	7865	DISC LOCK NUT	1
9	7342	O-RING (TEF-O-SIL)	1
10	7898	LIFT LEVER (BRASS)	1
11	7909	LEVER SHAFT	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
12	6117	HANDLE	1
13	6427	GLAND ASSY (BRASS/TEF-O-SIL)	1
14	4094	RETAINING RING	2
15	2198	RETAINING RING	1
16	7117	PACKING (TEFLON)	2
17	5684	SCREW	1
18	5685	HEX NUT	1
19	8041	GASKET (TEFLON)	1
20	5687	JAM NUT	1
21	6024	WASHER	1



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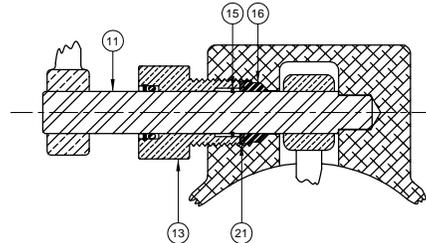
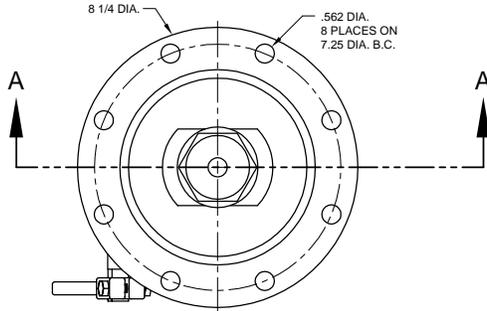
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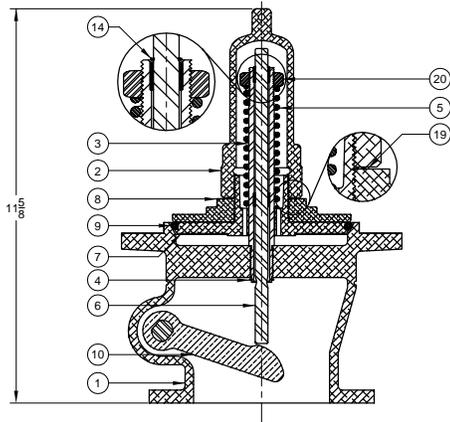
*Over 8,000 Part Numbers – Over 26,000 Square Feet of Warehouse – We Ship Worldwide*

Rev. 0, January 2003

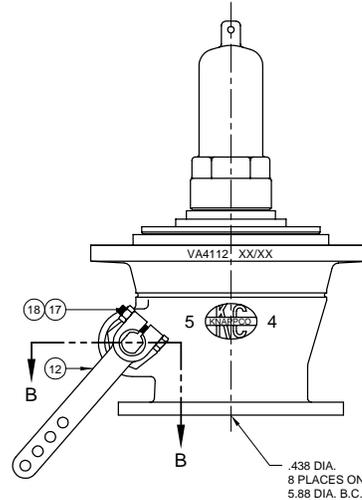
## VA4112 5" X 4" EMERGENCY VALVE



SECTION B-B



SECTION A-A



ITEM	PART NUMBER	DESCRIPTION	QTY.
1	5083	VALVE BODY	1
2	7363	CAP	1
3	2899	STEM ASSEMBLY	1
4	6099	RETAINING RING	1
5	5215	SPRING	1
6	7231	PUSH ROD	1
7	5087	DISC	1
8	7865	DISC LOCK NUT	1
9	7342	O-RING (TEF-O-SIL)	1
10	7898	LIFT LEVER (BRASS)	1
11	7909	LEVER SHAFT	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
12	6117	HANDLE	1
13	6427	GLAND ASSY (BRASS/TEF-O-SIL)	1
14	4094	RETAINING RING	2
15	2198	RETAINING RING	1
16	7117	PACKING (TEFLON)	2
17	5684	SCREW	1
18	5685	HEX NUT	1
19	8041	GASKET (TEFLON)	1
20	5687	JAM NUT	1
21	6024	WASHER	1

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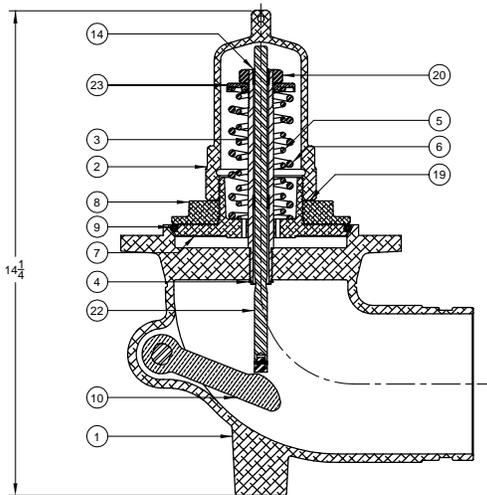
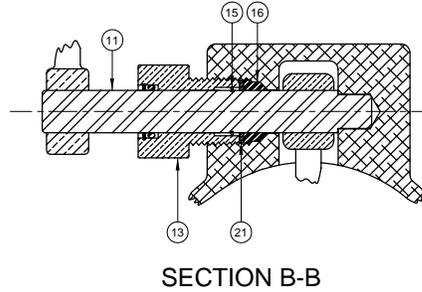
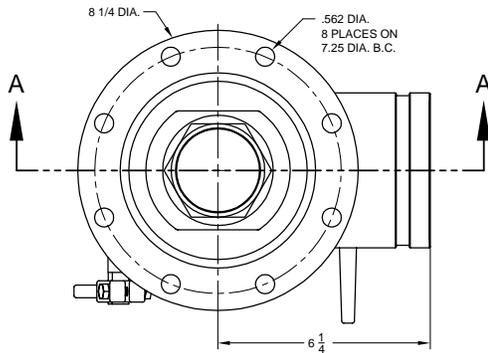
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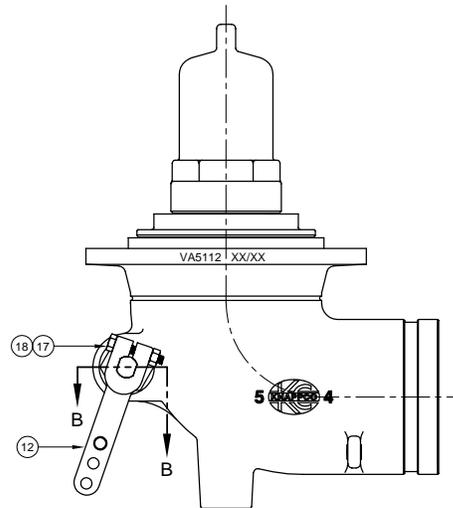
*Over 8,000 Part Numbers – Over 26,000 Square Feet of Warehouse – We Ship Worldwide*

Rev. 0, January 2003

## VA5112 5" X 4" EMERGENCY VALVE



SECTION A-A



ITEM	PART NUMBER	DESCRIPTION	QTY.
1	7106	VALVE BODY	1
2	6140	CAP	1
3	2899	STEM ASSEMBLY	1
4	6099	RETAINING RING	1
5	6233	SPRING (INNER)	1
6	6234	SPRING (OUTER)	1
7	6138	DISC	1
8	6139	DISC LOCK NUT	1
9	7342	O-RING (TEF-O-SIL)	1
10	7898	LIFT LEVER (BRASS)	1
11	7909	LEVER SHAFT	1
12	7939	HANDLE	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
13	6427	GLAND ASSY (BRASS/TEF-O-SIL)	1
14	4094	RETAINING RING	2
15	2198	RETAINING RING	1
16	7117	PACKING (TEFLON)	2
17	5684	SCREW	1
18	5685	HEX NUT	1
19	6227	GASKET (TEFLON)	1
20	5687	JAM NUT	1
21	6024	WASHER	1
22	6275	PUSH ROD ASSEMBLY	1
23	6228	WASHER	1

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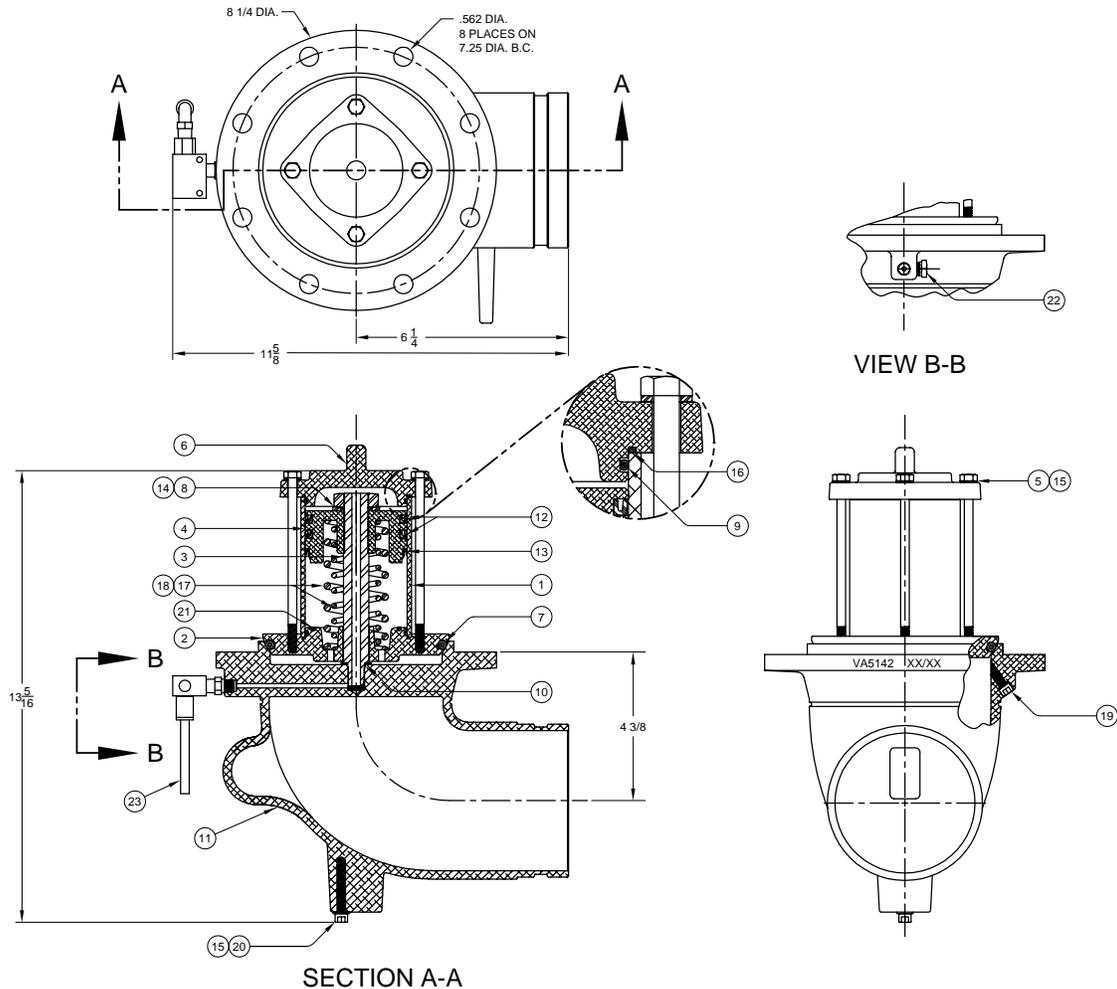
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*Over 8,000 Part Numbers – Over 26,000 Square Feet of Warehouse – We Ship Worldwide*

Rev. 0, January 2003

## VA5142 5" X 4" EMERGENCY VALVE



ITEM	PART NUMBER	DESCRIPTION	QTY.
1	6950	CYLINDER BODY	1
2	6951	CYLINDER DISK	1
3	6953	STEM	1
4	6954	PISTON	1
5	6956	HEX CAP SCREW	4
6	6957	CAP	1
7	6959	O-RING (TEF-O-SIL)	1
8	6960	SEAL WASHER (BUNA)	1
9	6961	O-RING (BUNA)	2
10	6962	SEAL WASHER (BUNA)	1
11	6963	VALVE BODY	1
12	5865	U-CUP SEAL (BUNA)	2

ITEM	PART NUMBER	DESCRIPTION	QTY.
13	6966	U-CUP SEAL (TEFLON)	1
14	5687	HEX JAM NUT	1
15	6633	LOCK WASHER	5
16	6964	O-RING (VITON)	2
17	6233	SPRING (INNER)	1
18	6234	SPRING (OUTER)	1
19	6965	SEAL SCREW	1
20	6967	SCREW	1
21	6969	O-RING (VITON)	1
22	5047	FUSIBLE PLUG	1
23	9811	QUICK EXHAUST ASSEMBLY	1

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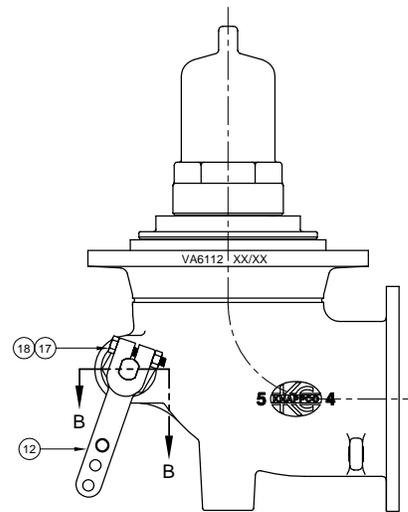
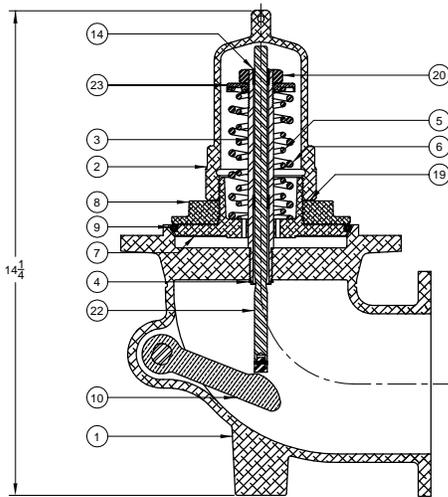
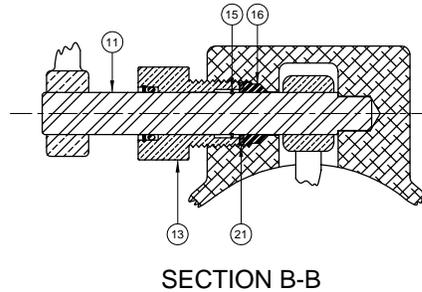
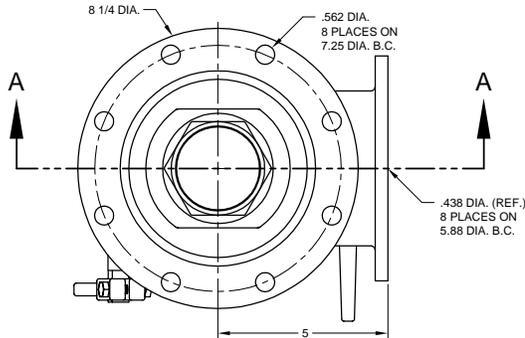
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*Over 8,000 Part Numbers – Over 26,000 Square Feet of Warehouse – We Ship Worldwide*

Rev. 0, January 2003

## VA6112 5" X 4" EMERGENCY VALVE



SECTION A-A

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	5086	VALVE BODY	1
2	6140	CAP	1
3	2899	STEM ASSEMBLY	1
4	6099	RETAINING RING	1
5	6233	SPRING (INNER)	1
6	6234	SPRING (OUTER)	1
7	6138	DISC	1
8	6139	DISC LOCK NUT	1
9	7342	O-RING (TEF-O-SIL)	1
10	7898	LIFT LEVER (BRASS)	1
11	7909	LEVER SHAFT	1
12	7939	HANDLE	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
13	6427	GLAND ASSY (BRASS/TEF-O-SIL)	1
14	4094	RETAINING RING	2
15	2198	RETAINING RING	1
16	7117	PACKING (TEFLON)	2
17	5684	SCREW	1
18	5685	HEX NUT	1
19	6227	GASKET (TEFLON)	1
20	5687	JAM NUT	1
21	6024	WASHER	1
22	6275	PUSH ROD ASSEMBLY	1
23	6228	WASHER	1

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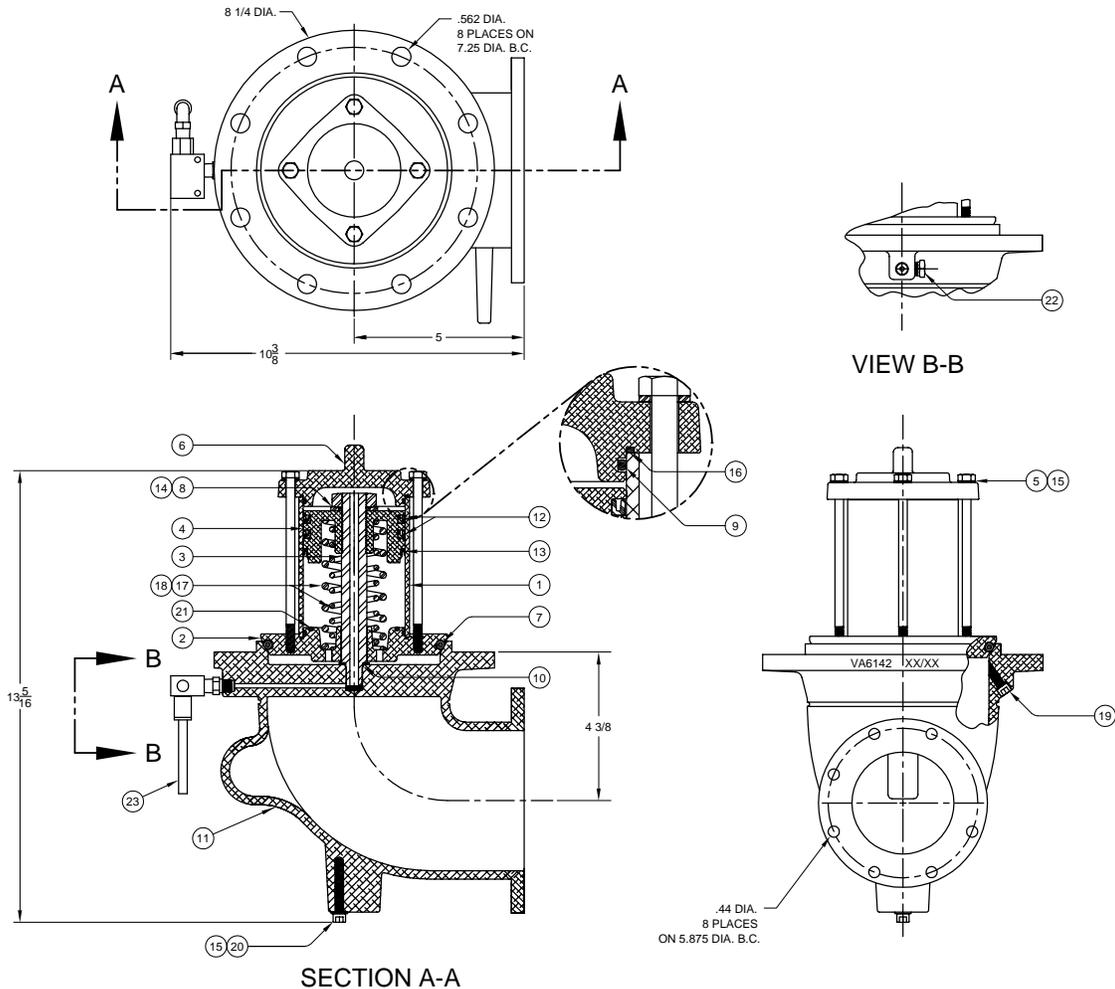
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Rev. 0, January 2003

## VA6142 5" X 4" EMERGENCY VALVE



ITEM	PART NUMBER	DESCRIPTION	QTY.
1	6950	CYLINDER BODY	1
2	6951	CYLINDER DISK	1
3	6953	STEM	1
4	6954	PISTON	1
5	6956	HEX CAP SCREW	4
6	6957	CAP	1
7	6959	O-RING (TEF-O-SIL)	1
8	6960	SEAL WASHER (BUNA)	1
9	6961	O-RING (BUNA)	2
10	6962	SEAL WASHER (BUNA)	1
11	9423	VALVE BODY	1
12	5865	U-CUP SEAL (BUNA)	2

ITEM	PART NUMBER	DESCRIPTION	QTY.
13	6966	U-CUP SEAL (TEFLON)	1
14	5687	HEX JAM NUT	1
15	6633	LOCK WASHER	5
16	6964	O-RING (VITON)	2
17	6233	SPRING (INNER)	1
18	6234	SPRING (OUTER)	1
19	6965	SEAL SCREW	1
20	6967	SCREW	1
21	6969	O-RING (VITON)	1
22	5047	FUSIBLE PLUG	1
23	9811	QUICK EXHAUST ASSEMBLY	1

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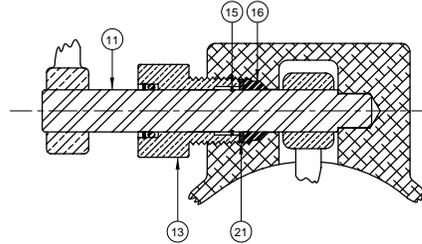
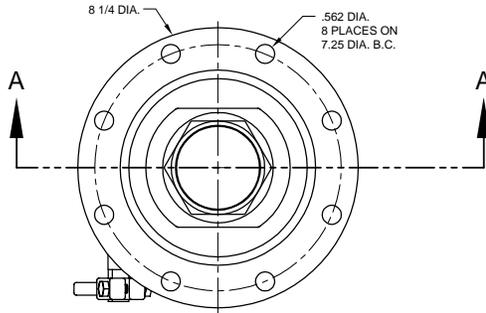
# Western Pacific Products, Inc.

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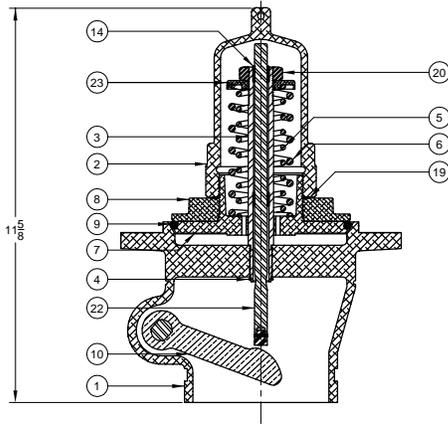
*Over 8,000 Part Numbers – Over 26,000 Square Feet of Warehouse – We Ship Worldwide*

Rev. 0, January 2003

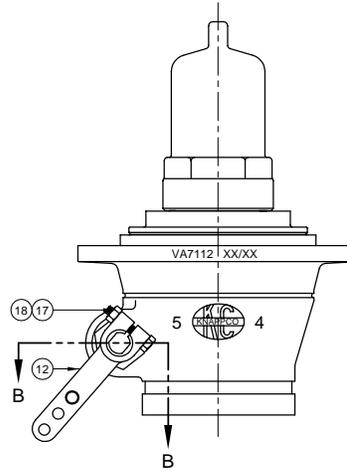
## VA7112 5" X 4" EMERGENCY VALVE



SECTION B-B



SECTION A-A



ITEM	PART NUMBER	DESCRIPTION	QTY.
1	7972	VALVE BODY	1
2	6140	CAP	1
3	2899	STEM ASSEMBLY	1
4	6099	RETAINING RING	1
5	6233	SPRING (INNER)	1
6	6234	SPRING (OUTER)	1
7	6138	DISC	1
8	6139	DISC LOCK NUT	1
9	7342	O-RING (TEF-O-SIL)	1
10	7898	LIFT LEVER (BRASS)	1
11	7909	LEVER SHAFT	1
12	7939	HANDLE	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
13	6427	GLAND ASSY (BRASS/TEF-O-SIL)	1
14	4094	RETAINING RING	2
15	2198	RETAINING RING	1
16	7117	PACKING (TEFLON)	2
17	5684	SCREW	1
18	5685	HEX NUT	1
19	6227	GASKET (TEFLON)	1
20	5687	JAM NUT	1
21	6024	WASHER	1
22	6280	PUSH ROD ASSEMBLY	1
23	6228	WASHER	1



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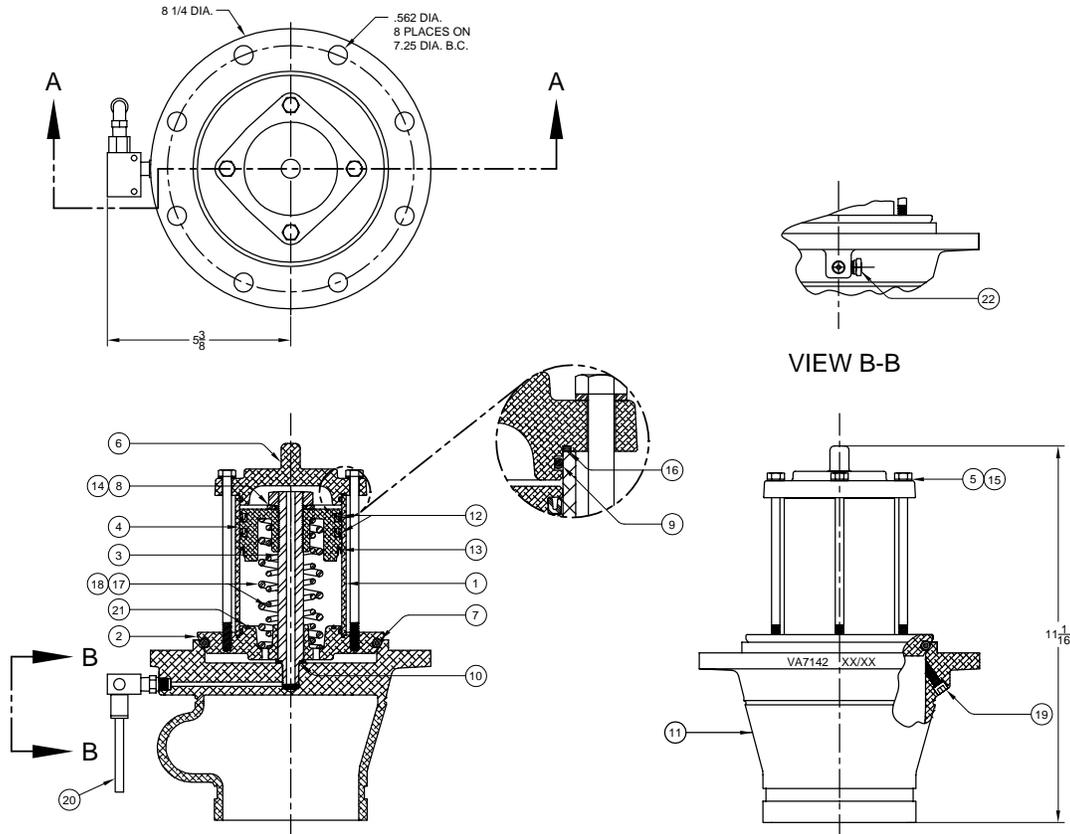
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## VA7142 5" X 4" EMERGENCY VALVE



SECTION A-A

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	6950	CYLINDER BODY	1
2	6951	CYLINDER DISK	1
3	6953	STEM	1
4	6954	PISTON	1
5	6956	HEX CAP SCREW	4
6	6957	CAP	1
7	6959	O-RING (TEF-O-SIL)	1
8	6960	SEAL WASHER (BUNA)	1
9	6961	O-RING (BUNA)	2
10	6962	SEAL WASHER (BUNA)	1
11	9014	VALVE BODY	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
12	5865	U-CUP SEAL (BUNA)	2
13	6966	U-CUP SEAL (TEFLON)	1
14	5687	HEX JAM NUT	1
15	6633	LOCK WASHER	4
16	6964	O-RING (VITON)	2
17	6233	SPRING (INNER)	1
18	6234	SPRING (OUTER)	1
19	6965	SEAL SCREW	1
20	9811	QUICK EXHAUST ASSEMBLY	1
21	6969	O-RING (VITON)	1
22	5047	FUSIBLE PLUG	1

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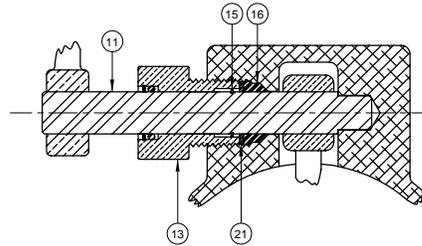
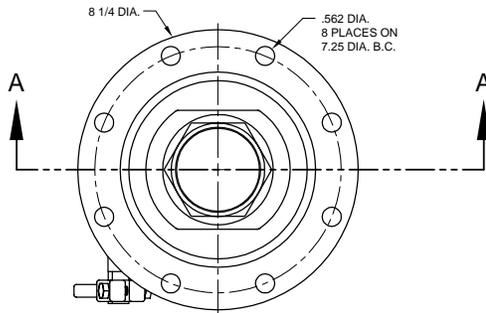
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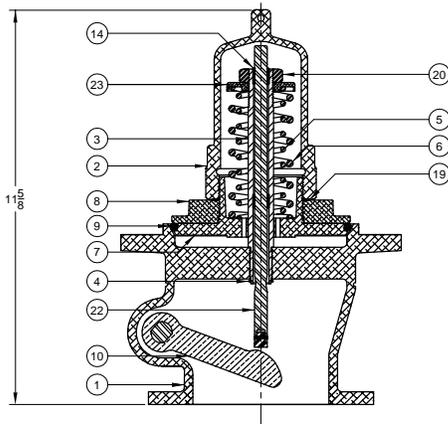
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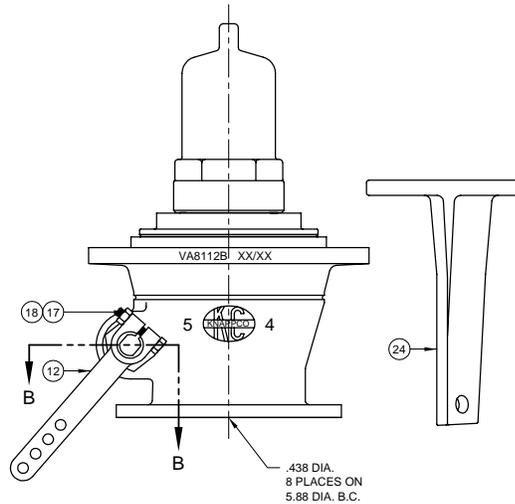
## VA8112B 5" X 4" EMERGENCY VALVE



SECTION B-B



SECTION A-A



ITEM	PART NUMBER	DESCRIPTION	QTY.
1	5083	VALVE BODY	1
2	6140	CAP	1
3	2899	STEM ASSEMBLY	1
4	6099	RETAINING RING	1
5	6233	SPRING (INNER)	1
6	6234	SPRING (OUTER)	1
7	6138	DISC	1
8	6139	DISC LOCK NUT	1
9	7342	O-RING (TEF-O-SIL)	1
10	7898	LIFT LEVER (BRASS)	1
11	7909	LEVER SHAFT	1
12	6117	HANDLE	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
13	6427	GLAND ASSY (BRASS/TEF-O-SIL)	1
14	4094	RETAINING RING	2
15	2198	RETAINING RING	1
16	7117	PACKING (TEFLON)	2
17	5684	SCREW	1
18	5685	HEX NUT	1
19	6227	GASKET (TEFLON)	1
20	5687	JAM NUT	1
21	6024	WASHER	1
22	6280	PUSH ROD ASSEMBLY	1
23	6228	WASHER	1
24	5730	CABLE BRACKET	1



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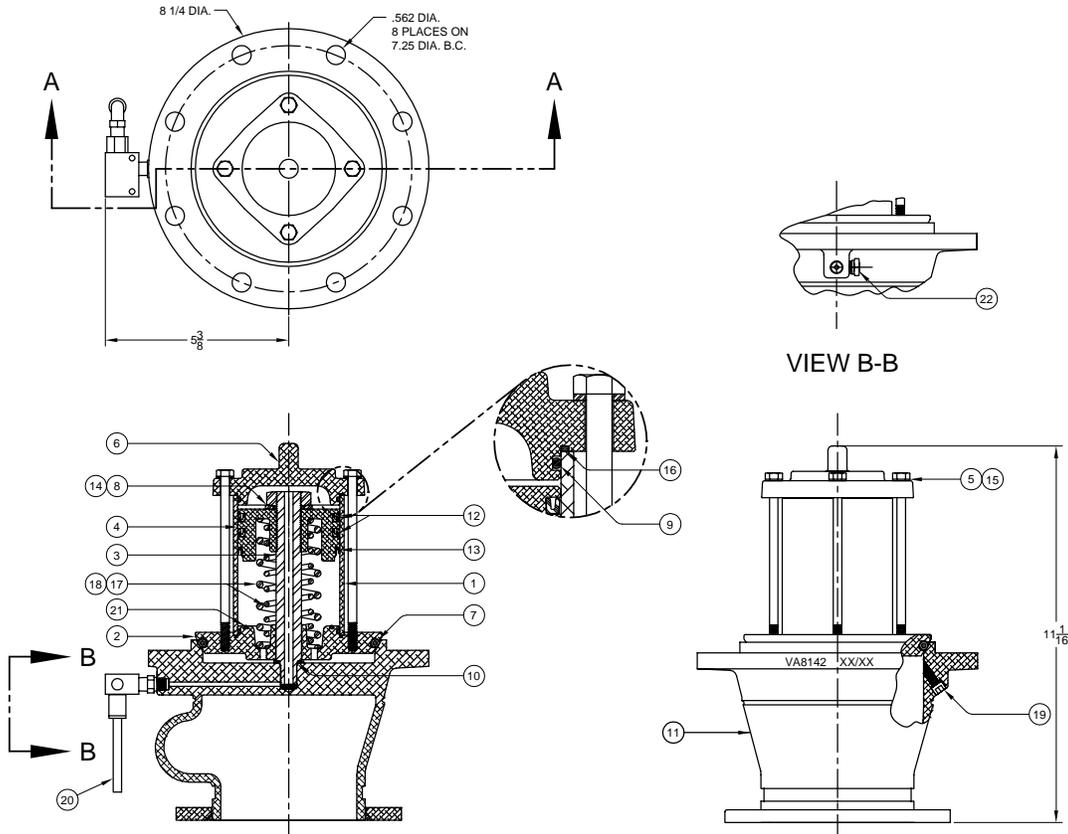
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Rev. 0, January 2003

## VA8142 5" X 4" EMERGENCY VALVE



SECTION A-A

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	6950	CYLINDER BODY	1
2	6951	CYLINDER DISK	1
3	6953	STEM	1
4	6954	PISTON	1
5	6956	HEX CAP SCREW	4
6	6957	CAP	1
7	6959	O-RING (TEF-O-SIL)	1
8	6960	SEAL WASHER (BUNA)	1
9	6961	O-RING (BUNA)	2
10	6962	SEAL WASHER (BUNA)	1
11	9806	VALVE BODY	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
12	5865	U-CUP SEAL (BUNA)	2
13	6966	U-CUP SEAL (TEFLON)	1
14	5687	HEX JAM NUT	1
15	6633	LOCK WASHER	4
16	6964	O-RING (VITON)	2
17	6233	SPRING (INNER)	1
18	6234	SPRING (OUTER)	1
19	6965	SEAL SCREW	1
20	9811	QUICK EXHAUST ASSEMBLY	1
21	6969	O-RING (VITON)	1
22	5047	FUSIBLE PLUG	1

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# Western Pacific Products, Inc.

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## Emergency Valve Aluminum Flat Seat Style

- Air or Cable Operated
- Groove or Flange Outlet
- Buna Urethane or Viton Seals

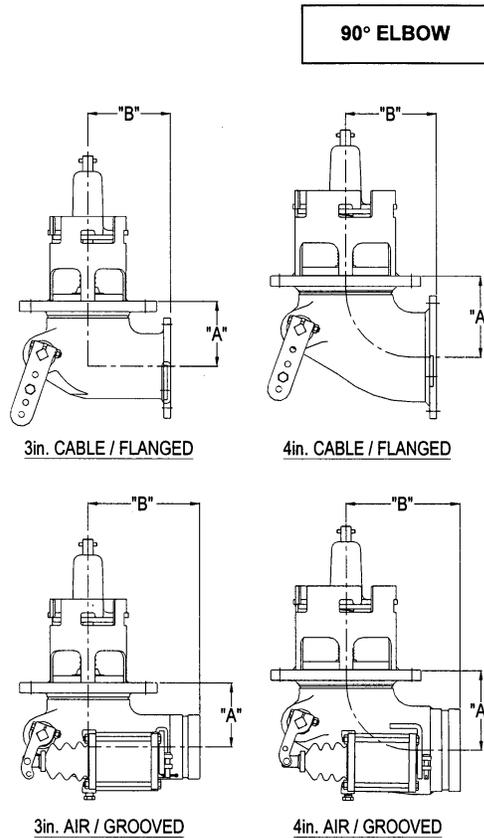
Betts flat seat style emergency valves combine Betts quality with an economical design. Valves feature aluminum construction with a specially designed seat disc to provide positive sealing. Shear section tested per TTMA RP84 and meets 49CFR178.345-8.

Air operated valves are provided with an external air cylinder to help prevent gasoline or other products from contaminating the air supply. The air cylinder is hard-coated aluminum with a polished stainless steel shaft. Cylinders have 1/8" NPT port for air connection and are supplied with a fusible plug installed.

Cable operated valves are supplied with a universal lever arm which provides up to 8 cable travel options to work with most operators. Lever arm is "E" Coated to provide exceptional corrosion resistance.

Left-hand valves are available with air cylinder or cable lever arm on opposite side of valve as shown at right. Add suffix -005 for left-hand option. Add suffix -004 for optional screen.

4" Valves are available with Stainless Trim, add suffix 010. See section 30 Page 10A for parts list.



Size	*Assembly No.	Air/Cable	Outlet	Wt.	Dimensions		Inlet Flange		Outlet Flange	
					A	B	B.C.	Holes	B.C.	Holes
3"	EV46672ALB	Air	3" Grv	10.5	3.50"	6.06"	6.25"	6-9/16	N.A.	N.A.
	EV46673ALB	Cable	3" Grv	8.2						
	EV46670ALB	Air	3" Flg	10.5	3.50"	4.50"	6.25"	6-9/16	4.88"	8-7/16
	EV46671ALB	Cable	3" Flg	8.2						
4"	EV46435ALB	Air	4" Grv	12.7	4.38"	6.25"	7.25"	8-9/16	N.A.	N.A.
	EV46398ALB	Cable	4" Grv	10.4						
	EV46428ALB	Air	4" Flg	12.7	4.38"	5.00"	7.25"	8-9/16	5.88"	8-7/16
	EV46399ALB	Cable	4" Flg	10.4						

\*Specify Viton seals by substituting "V" for "B" in Assembly Number.

Force rating from TTMA RP86: 3" Valves: F<sub>b-max</sub> = 21,035 lb. 4" Valves: F<sub>b-max</sub> = 15,500 lb.

**CAUTION:** Never bottom load through emergency valves without first opening valve. Failure to do so may result in damage to the tank and/or valve.

**Betts**<sup>™</sup>  
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WARREN, PA.

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## Emergency Valve Aluminum Flat Seat Style

TEE

- Air or Cable Operated
- Groove or Flange Outlet
- Buna Urethane or Viton Seals

Betts flat seat style emergency valves combine Betts quality with an economical design. Valves feature aluminum construction with a specially designed seat disc to provide positive sealing. Shear section tested per TTMA RP84 and meets 49CFR178.345-8.

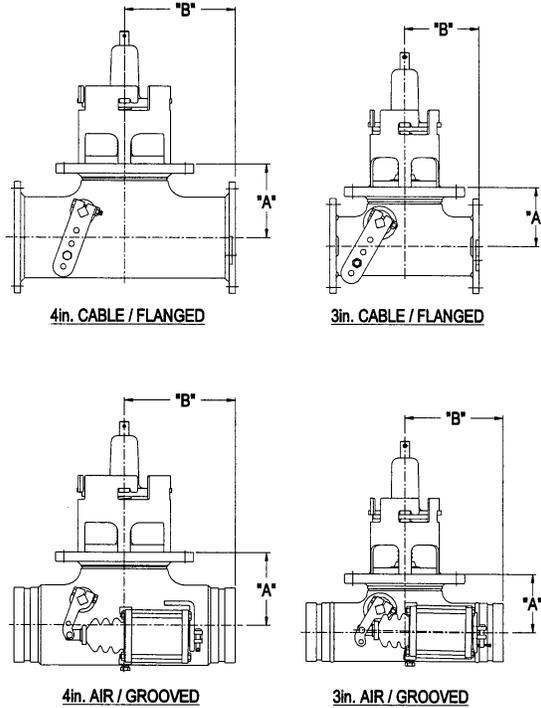
Air operated valves are provided with an external air cylinder to help prevent gasoline or other products from contaminating the air supply. The air cylinder is hard-coated aluminum with a polished stainless steel shaft. Cylinders have 1/8" NPT port for air connection and are supplied with a fusible plug installed.

Cable operated valves are supplied with a universal lever arm which provides up to 8 cable travel options to work with most operators. Lever arm is "E" Coated to provide exceptional corrosion resistance.

Left-hand valves are available with air cylinder or cable lever arm on opposite side of valve as shown at right. Add suffix -005 for left-hand option. Add suffix -004 for optional screen.

4" Valves are available with Stainless Trim, add suffix 010.

See Section 30 Page 10A for parts list.



Size	*Assembly No.	Air/Cable	Outlet	Wt.	Dimensions		Inlet Flange		Outlet Flange	
					A	B	B.C.	Holes	B.C.	Holes
3"	EV46536ALB	Air	3" Grv	11.8	3.50"	5.94"	6.25"	6-9/16	N.A.	N.A.
	EV46534ALB	Cable	3" Grv	9.5						
	EV46537ALB	Air	3" Flg	11.8	3.50"	4.50"	6.25"	6-9/16	4.88"	8-7/16
	EV46535ALB	Cable	3" Flg	9.5						
4"	EV46625ALB	Air	4" Grv	12.9	4.38"	6.63"	7.25"	8-9/16	N.A.	N.A.
	EV46623ALB	Cable	4" Grv	10.6						
	EV46626ALB	Air	4" Flg	12.9	4.38"	5.13"	7.25"	8-9/16	5.88"	8-7/16
	EV46624ALB	Cable	4" Flg	10.6						

\*Specify Viton seals by substituting "V" for "B" in Assembly Number.

Force rating from TTMA RP86: 3" Valves:  $F_{b-max}=15,300$  lb. 4" Valves:  $F_{b-max}=15,500$  lb.

**CAUTION:** Never bottom load through emergency valves without first opening valve. Failure to do so may result in damage to the tank and/or valve.

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## Emergency Valve Aluminum Tapered Seat Style

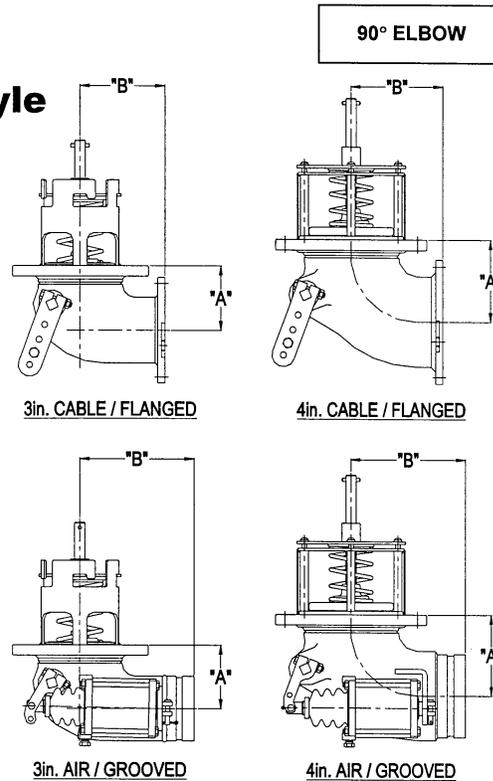
- Air or Cable Operated
- Stainless Trim
- Teflon Encapsulated Seals

Betts tapered seat emergency valves are designed and manufactured to use Teflon encapsulated seals for compatibility with a wide range of products. Body is constructed of aluminum with stainless steel trim. Shear section tested per TTMA RP84 and meets 49CFR178.345-8.

Air operated valves are provided with an external air cylinder to help prevent gasoline or other products from contaminating the air supply. The air cylinder is hard-coated aluminum with a polished stainless steel shaft. Cylinders have 1/8" NPT port for air connection and are supplied with a fusible plug installed.

Cable operated valves are supplied with a universal lever arm which provides up to 8 cable travel options to work with most operators. Lever arm is "E" Coated to provide exceptional corrosion resistance.

Left-hand valves are available with air cylinder or cable lever arm on opposite side of valve as shown at right. Add suffix – 005 for left-hand option. Add suffix –004 for optional screen.



See section 30 Page 10B for 3" parts list; See section 30 Page 11A for 4" parts list

Size	Assembly No.	Air /Cable	Outlet	Wt.	Dimensions		Inlet Flange		Outlet Flange	
					A	B	B.C.	Holes	B.C.	Holes
3"	EV46169ALTS	Air	3" Grv	9.7	3.50"	6.06"	6.25"	6-9/16	N.A.	N.A.
	EV46158ALTS	Cable	3" Grv	7.5						
	EV46152ALTS	Air	3" Flg	9.7	3.50"	4.50"	6.25"	6-9/16	4.88"	8-7/16
	EV46157ALTS	Cable	3" Flg	7.5						
4"	EV46455ALTS	Air	4" Grv	13.5	4.38"	6.25"	7.25"	8-9/16	N.A.	N.A.
	EV46458ALTS	Cable	4" Grv	11.3						
	EV46456ALTS	Air	4- 1/2 " Grv	13.5	4.38"	6.25"	7.25"	8-9/16	N.A.	N.A.
	EV46459ALTS	Cable	4- 1/2 " Grv	11.3						
	EV46454ALTS	Air	4" Flg	13.5	4.38"	5.00"	7.25"	8-9/16	5.88"	8-7/16
	EV46457ALTS	Cable	4" Flg	11.3						

Force rating from TTMA RP86: 3" Valves: F<sub>b-max</sub>=15,300 lb. 4" Valves: F<sub>b-max</sub>=24,000 lb.

**CAUTION:** Never bottom load through emergency valves without first opening valve. Failure to do so may result in damage to the tank and/or valve.

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## Emergency Valve Aluminum Tapered Seat Style

STRAIGHT

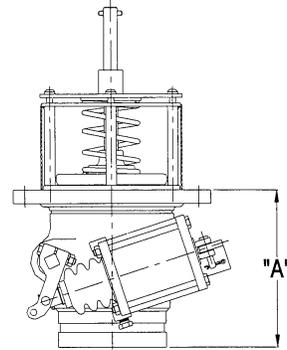
- Air or Cable Operated
- Stainless Trim
- Teflon Encapsulated Seals

Betts tapered seat emergency valves are designed and manufactured to use Teflon encapsulated seals for compatibility with a wide range of products. Body is constructed of aluminum with stainless steel trim. Shear section tested per TTMA RP84 and meets 49CFR178.345-8.

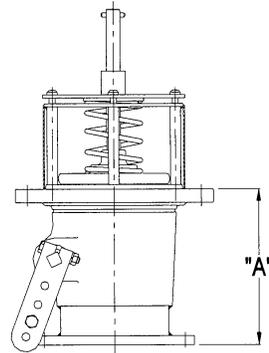
Air operated valves are provided with an external air cylinder to help prevent gasoline or other products from contaminating the air supply. The air cylinder is hard-coated aluminum with a polished stainless steel shaft. Cylinders have 1/8" NPT port for air connection and are supplied with a fusible plug installed.

Cable operated valves are supplied with a universal lever arm which provides up to 8 cable travel options to work with most operators. Lever arm is "E" Coated to provide exceptional corrosion resistance.

Left-hand valves are available with air cylinder or cable lever arm on opposite side of valve as shown at right. Add suffix – 005 for left-hand option. Add suffix –004 for optional screen.



AIR / GROOVED



CABLE / FLANGED

See section 30 Page 11A for parts list

Size	Assembly No.	Air /Cable	Outlet	Wt.	Dimensions	Inlet Flange		Outlet Flange	
					A	B.C.	Holes	B.C.	Holes
4"	EV46461ALTS	Air	4" Grv	13.5	6.50"	7.25"	8-9/16	N.A.	N.A.
	EV46464ALTS	Cable	4" Grv	10.0					
	EV46462ALTS	Air	4- 1/2" Grv	13.5	6.50"	7.25"	8-9/16	N.A.	N.A.
	EV46465ALTS	Cable	4- 1/2" Grv	10.0					
	EV46460ALTS	Air	4" Flg	13.5	6.50"	7.25"	8-9/16	5.88"	8-7/16
	EV46463ALTS	Cable	4" Flg	10.0					

Force rating from TTMA RP86:

4" Valves: F<sub>b-max</sub>=15,000 lb.

**CAUTION:** Never bottom load through emergency valves without first opening valve. Failure to do so may result in damage to the tank and/or valve.

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## Emergency Valve Aluminum 6"x4" High Flow

- Air or Cable Operated
- Stainless Trim
- Teflon Encapsulated Seals

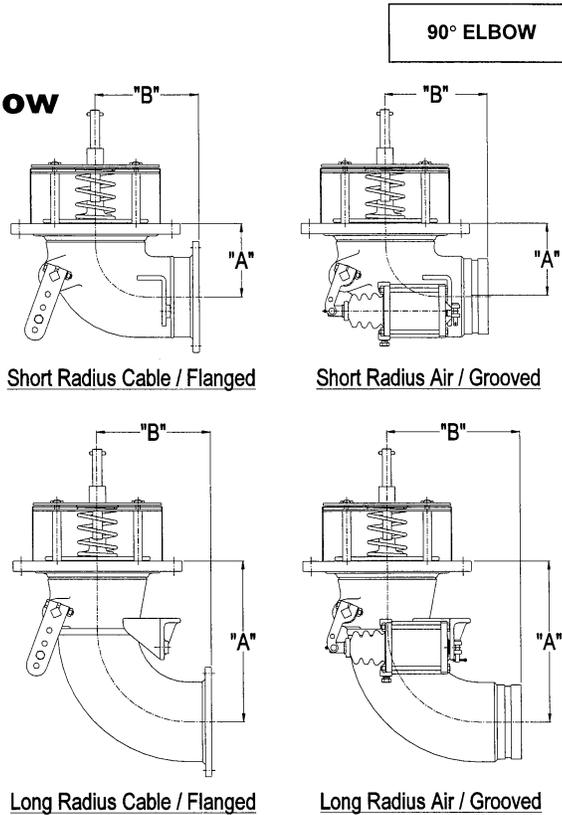
Betts High Flow Emergency valves provide increased flow rates compared to 4" emergency valves. Valves feature Teflon encapsulated seals for compatibility with a wide range of products and a special lift mechanism for smooth operation. Body is constructed of aluminum with stainless steel trim. Shear section tested per TTMA RP84 and meets 49CFR178.345-8.

Air operated valves are provided with an external air cylinder to help prevent gasoline or other products from contaminating the air supply. The air cylinder is hard-coated aluminum with a polished stainless steel shaft. Cylinders have 1/8" NPT port for air connection and are supplied with a fusible plug installed.

Available in Long-Radius and Short-Radius elbows. Use the Long-Radius for maximum flow or use the Short-Radius where clearance for piping is restricted.

Left-hand valves are available with air cylinder or cable lever arm on opposite side of valve as shown at right. Add suffix -005 for left-hand option. Add suffix -004 for optional screen.

See section 30 Page 11A for parts list.



Size	Assembly No.	Air /Cable	Outlet	Wt.	Dimensions		*Inlet Flange		Outlet Flange	
					A	B	B.C.	Holes	B.C.	Holes
6"x4" SHORT RADIUS	EV46467ALTS	Air	4" Grv	16.4	4.38"	6.25"	9.25"	12-9/16	N.A.	N.A.
	EV46470ALTS	Cable	4" Grv	14.2						
	EV46468ALTS	Air	4- 1/2" Grv	16.4	4.38"	6.25"	9.25"	12-9/16	N.A.	N.A.
	EV46471ALTS	Cable	4- 1/2" Grv	14.2						
	EV46466ALTS	Air	4" Flg	16.4	4.38"	6.25"	9.25"	12-9/16	5.88"	8-7/16
	EV46469ALTS	Cable	4" Flg	14.2						
6"x4" LONG RADIUS	EV46473ALTS	Air	4" Grv	18.2	9.75"	8.13"	9.25"	12-9/16	N.A.	N.A.
	EV46476ALTS	Cable	4" Grv	16.0						
	EV46474ALTS	Air	4- 1/2" Grv	18.2	9.75"	8.13"	9.25"	12-9/16	N.A.	N.A.
	EV46477ALTS	Cable	4- 1/2" Grv	16.0						
	EV46472ALTS	Air	4" Flg	18.2	9.75"	6.75"	9.25"	12-9/16	5.88"	8-7/16
	EV46475ALTS	Cable	4" Flg	16.0						

\*NOTE: Valves mount to standard 6" TTMA sump

Force rating from TTMA RP86: Short Radius Valves:  $F_{b-max}=35,000$  lb. Long Radius Valves:  $F_{b-max}=13,800$  lb.

**CAUTION:** Never bottom load through emergency valves without first opening valve. Failure to do so may result in damage to the tank and/or valve.

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## Emergency Valve Aluminum 6"x4" High Flow

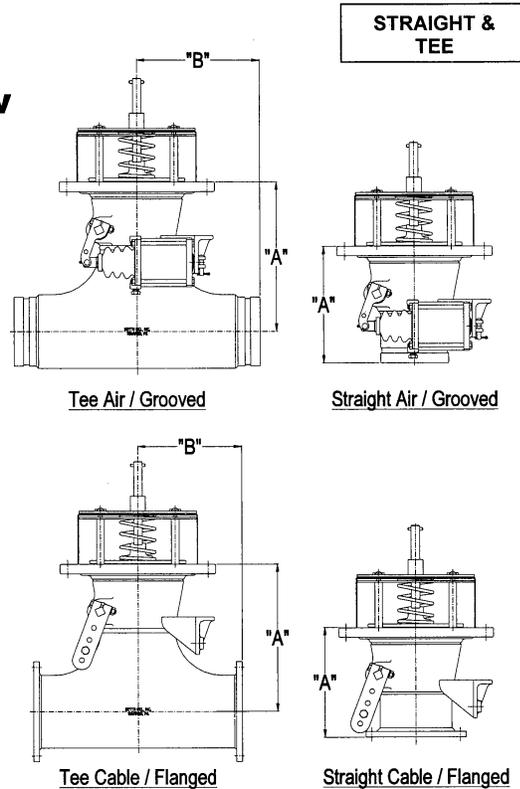
- Air or Cable Operated
- Stainless Trim
- Teflon Encapsulated Seals

Betts High Flow Emergency valves provide increased flow rates compared to 4" emergency valves. Valves feature Teflon encapsulated seals for compatibility with a wide range of products and a special left mechanism for smooth operation. Body is constructed of aluminum with stainless steel trim. Shear section tested per TTMA RP84 and meets 49CFR178.345-8.

Air operated valves are provided with an external air cylinder to help prevent gasoline or other products from contaminating the air supply. The air cylinder is hard-coated aluminum with a polished stainless steel shaft. Cylinders have 1/8" NPT port for air connection and are supplied with a fusible plug installed.

Left-hand valves are available with air cylinder or cable lever arm on opposite side of valve as shown at right. Add suffix –005 for left-hand option. Add suffix –004 for optional screen.

See section 30 page 11A for part list.



Size	Assembly No.	Air /Cable	Outlet	Wt.	Dimensions		*Inlet Flange		Outlet Flange	
					A	B	B.C.	Holes	B.C.	Holes
6"x4" STRAIGHT	EV46479ALTS	Air	4" Grv	16.0	7.63"	N.A.	9.25"	12-9/16	N.A.	N.A.
	EV46482ALTS	Cable	4" Grv	13.8						
	EV46480ALTS	Air	4- 1/2 " Grv	16.0	8.38"	N.A.	9.25"	12-9/16	N.A.	N.A.
	EV46483ALTS	Cable	4- 1/2 " Grv	13.8	7.63"					
	EV46478ALTS	Air	4" Flg	16.0	7.25"	N.A.	9.25"	12-9/16	5.88"	8-7/16
	EV46481ALTS	Cable	4" Flg	13.8						
6"x4" TEE	EV46485ALTS	Air	4" Grv	20.8	9.75"	8.13"	9.25"	12-9/16	N.A.	N.A.
	EV46488ALTS	Cable	4" Grv	18.6						
	EV46486ALTS	Air	4- 1/2 " Grv	20.8	9.75"	8.13"	9.25"	12-9/16	N.A.	N.A.
	EV46489ALTS	Cable	4- 1/2 " Grv	18.6						
	EV46484ALTS	Air	4" Flg	20.8	9.75"	6.75"	9.25"	12-9/16	5.88"	8-7/16
	EV46487ALTS	Cable	4" Flg	18.6						

\*NOTE: Valves mount to standard 6" TTMA sump

Force rating from TTMA RP86: Straight Valves: F<sub>D-max</sub>=18,300 lb. Tee Valves: F<sub>D-max</sub>=13,800 lb.

**CAUTION:** Never bottom load through emergency valves without first opening valve. Failure to do so may result in damage to the tank and/or valve.

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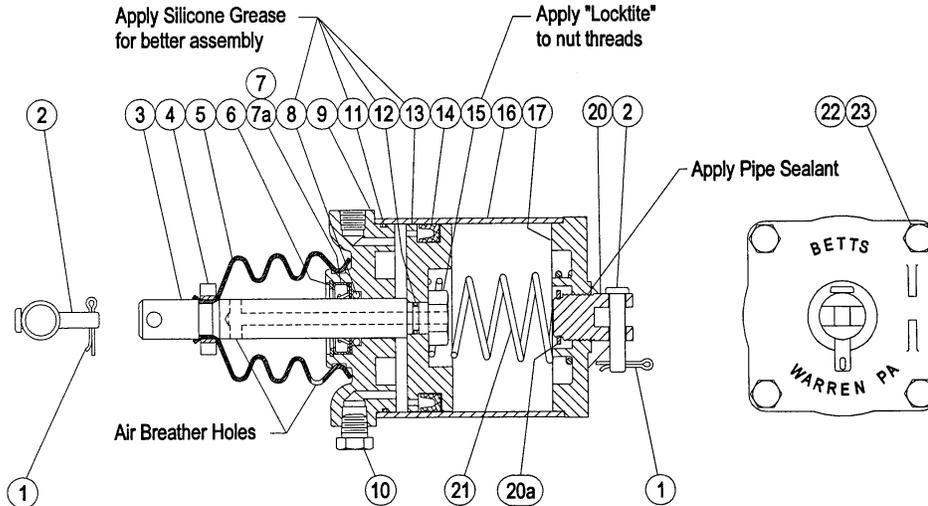
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## PARTS LIST

## Air Cylinder AC35005ALB



REBUILD KIT AC19307BN - Includes Items 3, 4, 5, 7, 7a, 8, 11, 12, 14, 20, and 21  
 REPAIR KIT AC18674BN - Includes Items 4, 5, 6, 7, 7a, 8, 11, 12, and 14

NO.	REQ.	DESCRIPTION	MATERIAL	PART NO.
1	2	Cotter Pin 3/32 X 3/4"	Brass	9Q5865
2	2	Clevis Pin	Steel Zinc Plt.	9Q4728
3	1	Shaft	Stnls 304	17661SL
4	1	Boot Retainer	Delrin	17952DL
5	1	Boot	Neoprene	17777NE
6	1	Retaining Ring	Steel - Zinc Plt.	9Q4967
7	1	Wiper Seal	Steel - Phosphate Coated	19085PA
7a	1	Spacer	Teflon	19057TF
8	1	O-Ring Shaft Seal	Buna-N	18066BN
9	1	End Plate	Aluminum	17880AL
10	1	Fusible Plug	Brass	FP15003BR
11	1	O-Ring - End Plate	Buna-N	17666BN
12	1	O-Ring - Shaft	Buna-N	17781BN
13	1	Piston	Aluminum	17660AL
14	1	Piston Seal	Buna-N (special low temp.)	17669BN
15	1	Hex Half Nut 1/2-20 Thd.	Steel - Zinc Plt.	9Q5910
16	1	Cylinder	Aluminum	17659AL
17	1	Mounting End Plate	Aluminum	17881AL
20	1	Clevis	Steel - Black Epoxy Coated	19060EY
20a	1	Clevis Retaining Ring	Stnls. 316	9Q4970
21	1	Spring	Steel - Black Epoxy Coated	18742EY
22	4	Locknut 1/4-28 Thd.	Steel - Zinc Plt.	9Q5807
23	4	Bolt 1/4-28 X 4"	Steel - Zinc Plt.	9Q1270

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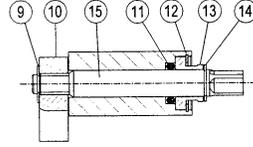
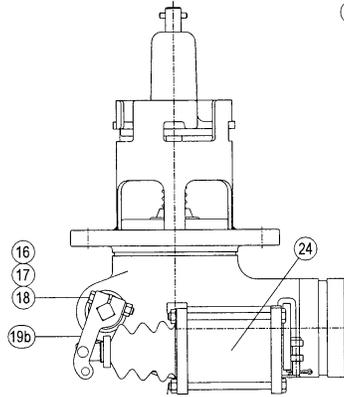
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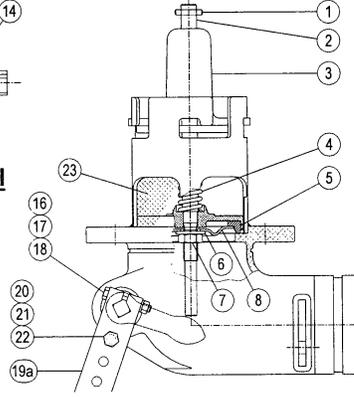
## PARTS LIST

## Emergency Valve

### 3" & 4" Flat Seat Aluminum



**Stuffing Box Detail**



#### Air Operated

#### Cable Operated

NO.	REQ.	DESCRIPTION	MATERIAL	PART NO.	
				3" VALVE	4" VALVE
1	1	Bail Pin 3/16 Dia. X 1"	Stnls 18-8	9Q5901	9Q5901
2	1	Stem & Disc Holder Assembly	Alum./Steel Zinc Plt.	**27773ZA ***27517ZA	17991CA / *17991SA
3	1	Bonnet	Aluminum	25074AL	25248AL
4	1	Spring	Steel "E" Coated	15196EY	15196EY/ *15196SS
5	1	Disc	Buna Urethane	19018BU	19017BU
			Viton	19018VT	19017VT
6	1	Lockwasher 1/2" external tooth	Stnls 410	9Q5916	9Q5918/ *9Q5916
7	1	Hex Nut 1/2-20UNF Thd.	Stnls 18-8	9Q5909	9Q5909
8	1	Disc Retainer Plate	Aluminum	15006AL	15051AL
9	1	Cam Retaining Ring	Stnls 316	9Q4933	9Q4933
10	1	Cam	Steel	19022MS	19022MS/ *19022SS
11	1	O-Ring (Cam Shaft)	Buna-N	19082BN	19082BN
			Viton	19082VT	19082VT
12	1	Retaining Ring-Gland	Stnls 316	9Q4968	9Q4968
13	1	Retaining Gland	Aluminum	19081AL	19081AL
14	1	Retaining Ring – Cam shaft	Stnls 316	9Q4970	9Q4970
15	1	Cam Shaft	Steel	27332ZC	27332ZC/ *27332SS
16	1	Bolt 1/4-20UNC x 1.75" lg.	Steel Zinc Plt.	9Q5825	9Q5825
17	1	Lockwasher 1/4"	Steel Zinc Plt.	9Q5845	9Q5845
18	1	Hex Nut 1/4-20UNC Thd	Steel Zinc Plt.	9Q5806	9Q5806
19a	1	Lever Arm - Cable	Steel "E" Coated	10587EY	10587EY
19b	1	Lever Arm - Air	Steel "E" Coated	18366EY	18366EY
20	1	Bolt 5/16-18UNC x 1" lg.	Steel Zinc Plt.	9Q5829	9Q5829
21	1	Lockwasher 5/16"	Steel Zinc Plt.	9Q5847	9Q5847
22	1	Hex Nut 5/16-18UNC Thd	Steel Zinc Plt.	9Q5808	9Q5808
23	1	Screen - Optional	Stnls 304	17644SL	17645SL
24	1	Air Cylinder Assembly	Aluminum	AC35005ALB	AC35005ALB

\* Indicates Part No. for Valves with Stainless Trim

\*\* Indicates Part No. for 90 Deg. Elbow

\*\*\* Indicates Part No. for Straight & Tee

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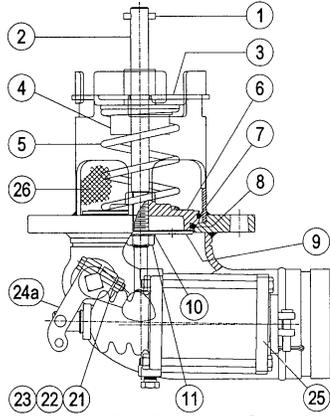
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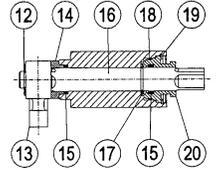
## PARTS LIST

## Emergency Valve

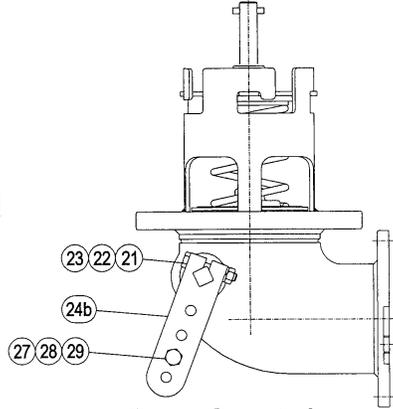
### 3" Tapered Seat Aluminum



**Air Operated**



**Stuffing Box Detail**



**Cable Operated**

NO.	REQ.	DESCRIPTION	MATERIAL	PART NO.
1	1	Bail Pin 3/16 dia. X 1"	Stnls 18-8	9Q5901
2	1	Stem	Stnls 316	26886SS
3	1	Bonnet	Stnls 316	18770SS
4	1	Spring Washer & Shaft Guide	Teflon W/Glass	18881TG
5	1	Spring	Stnls 316	18222SS
6	1	O-Ring Holder	Aluminum	18768AL
7	1	Guide Ring	Teflon	18283TF
8	1	O-Ring Seat	Viton	18098VT
			Tef-Sil	18098TS
9	1	Retainer Plate	Aluminum	18769AL
10	1	Lockwasher 1/2" external Tooth	Stnls 410	9Q5916
11	1	Hex Half Nut 1/2-20UNF	Stnls 304	9Q5909
12	1	Retaining Ring - Cam	Stnls 410	9Q4933
13	1	Cam	Stnls 316	19021SS
14	1	Retainer Sleeve	Teflon W/Glass	18467TG
15	2	O-Ring Cam Shaft	Viton	17946VT
			Tef-Sil	17946TS
16	1	Cam Shaft	Stnls 316	27340SS
17	1	Retaining Ring - Cam Shaft	Stnls 316	9Q4970
18	1	O-Ring Gland	Viton	17945VT
			Tef-Sil	17945TS
19	1	Retaining Ring - Gland	Stnls 316	9Q4968
20	1	Gland	Aluminum	17821AL
21	1	Bolt 1/4-20UNC x 1.50 lg.	Steel - Zinc Plt.	9Q5947
22	1	Lockwasher 1/4"	Steel - Zinc Plt.	9Q5845
23	1	Hex Nut 1/4-20UNC	Steel - Zinc Plt.	9Q5806
24a	1	Lever Arm - Air	Steel "E" Coated	18366EY
24b	1	Lever Arm - Cable	Steel "E" Coated	10587EY
25	1	Air Cylinder Assembly	Aluminum	AC35005ALB
26	1	Screen - Optional	Stnls 304	17644SL
27	1	Bolt 5/16-18UNC - 1" lg.	Steel - Zinc Plt.	9Q5829
28	1	Lockwasher 5/16"	Steel - Zinc Plt.	9Q5845
29	1	Hex Nut 5/16-18UNC Thd.	Steel - Zinc Plt.	9Q5808

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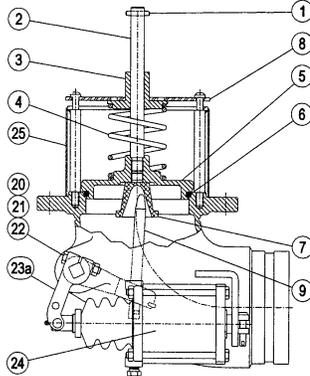
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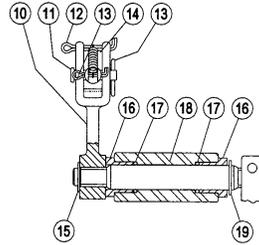
## PARTS LIST

## Emergency Valve

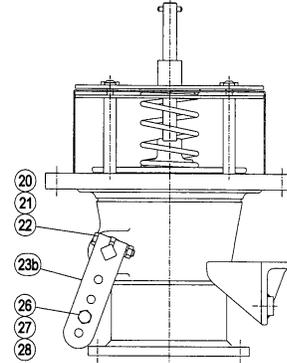
**Tapered Seat 4" & 6"x4"**



**Air Operated**



**Stuffing Box Detail**



**Cable Operated**

NO.	REQ.	DESCRIPTION	MATERIAL	PART NO.	
				4" VALVE	6"x 4" VALVE
1	1	Bail Pin 3/16 dia. X 1"	Stnls 18-8	9Q5901	9Q5901
2	1	Stem	Stnls 316	27415SS	27415SS
3	1	Spring Washer & Shaft Guide	Teflon W/Glass	19180TG	19180TG
4	1	Spring	Stnls 316	18222SS	18222SS
5	1	O-Ring Holder	Aluminum	27413AL	27412AL
6	1	O-Ring Seat	Tef - Sil	19028TS	18872TS
7	1	Lift Cup	Stnls 316	19178SS	19178SS
8	1	Bonnet Plate	Stnls 316	27017SS	27184SL
9	1	Lift Stem	Stnls 316	19179SS	19179SS
10	1	Lift Arm	Stnls 316	27414SS	27414SS
11	1	Clevis Pin 1/4 x 1-1/8	Stnls 303	9Q4727	9Q4727
12	1	Cotter Pin 1/8 x 1-1/4	Stnls 316	9Q4939	9Q4939
13	2	Cotter Pin 3/32 x 1-3/4	Stnls 304	9Q5866	9Q5866
14	1	Lift Spring	Stnls 302	19183SL	19183SL
15	1	Retaining Ring – Cam Shaft	Stnls	9Q4933	9Q4933
16	2	Spacer Sleeve	Teflon W/Glass	19034TG	19034TG
17	2	O-Ring Cam Shaft	Tef-Sil	17946TS	17946TS
18	1	Cam Shaft	Stnls 316	27332SS	27332SS
19	1	Retaining Ring – Cam Shaft	Stnls	9Q4970	9Q4970
20	1	Bolt 1/4-20UNC x 1.50 lg.	Steel - Zinc Plt.	9Q5947	9Q5947
21	1	Lockwasher 1/4"	Steel - Zinc Plt.	9Q5845	9Q5845
22	1	Hex Nut 1/4-20UNC	Steel - Zinc Plt.	9Q5806	9Q5806
23a	1	Lever Arm - Air	Steel "E" Coated	18366EY	18366EY
23b	1	Lever Arm - Cable	Steel "E" Coated	10587EY	10587EY
24	1	Air Cylinder Assembly	Aluminum/Buna	AC35005ALB	AC35005ALB
25	1	Screen - Optional	Stnls 304	18969SL	18935SL
26	1	Bolt 5/16-18UNC x 1 lg.	Steel - Zinc Plt.	9Q5829	9Q5829
27	1	Lockwasher 5/16"	Steel - Zinc Plt.	9Q5847	9Q5847
28	1	Hex Nut 5/16-18UNC Thd.	Steel - Zinc Plt.	9Q5808	9Q5808

**WARNING** Use only genuine BETTS INDUSTRIES INC. replacement parts. Use of substitute parts can impair the proper functioning of this product.

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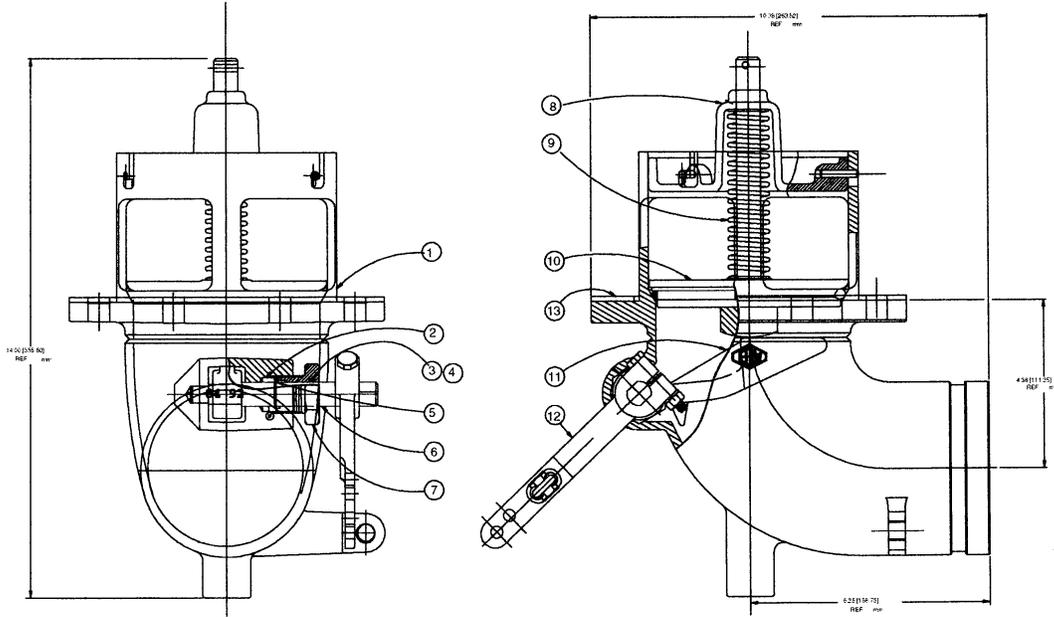
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## 880-430 Emergency Valve Victaulic - Parts List



ITEM	NAME	QTY. REQ'D	PART NO.
1	Body Emergency Valve Victaulic	1	880-429
2	Packing 3/16 Syn PTFE	2	11358-01
3	O- Ring	1	11039-20
4	White Petroleum	1	No Part #
5	Retaining Ring Spiral	1	11090-08
6	Shaft-Cam	1	880-241-01
7	Nut- Stuffing Box	1	880-242-01
8	Reatiner Assembly-Emergency Valve	1	880-264-01
9	Spring Poppet	1	11357-01
10	Poppet Assembly	1	880-263-01
11	Cam	1	880-233-01
12	Cam Lever Assembly	1	880-265-01
13	Gasket-Sump, Emergency Valve	1	11388-01

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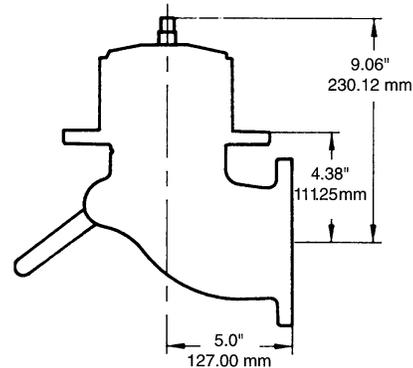
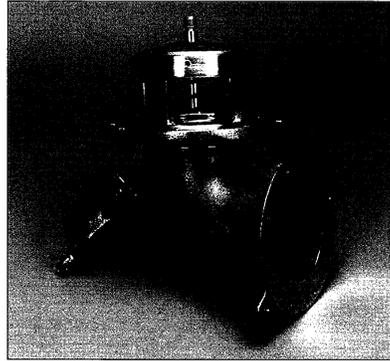
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## F241 Emergency Valve, Mechanical

**EMCO WHEATON™**

### FEATURES AND BENEFITS

- Manufactured to DOT-406 regulations.
- Lightweight Aluminum.
- Operable from above and below valve.
- Conical spring allows greater lift and maximum flow.
- Concentric plunger prevents leakage.
- Stainless Steel Trim available for chemical applications.
- TTMA flanges.
- Cable guide cast in outlet flange.
- Standard Seal - Buna. Options - Viton, Gylon and others available upon request.
- Optional: Screen, Plunger Bail. Fuse plate and support available.



EMERGENCY VALVES

PART NUMBER	DESCRIPTION	WEIGHT
F241-003	3", Buna Seals	7.25 lbs - 3.29 kg
F241-004	★4", Buna Seals★	9.50 lbs - 4.31 kg
F241-005	6", Buna Seals	27.00 lbs - 12.24 kg
F241-008	3", Gylon Seals, Stainless Steel Trim	7.50 lbs - 3.40 kg
F241-009	★4", Gylon Seals, Stainless Steel Trim★	9.50 lbs - 4.31 kg
F241-032	3", Viton Seals	7.25 lbs - 3.29 kg
F241-036	★4", Viton Seals★	9.50 lbs - 4.31 kg

**\*DISCONTINUED\***

NOTE: All 4" F240 series valves replaced by new F7000 series.

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Another Symbol of Emco Wheaton Quality

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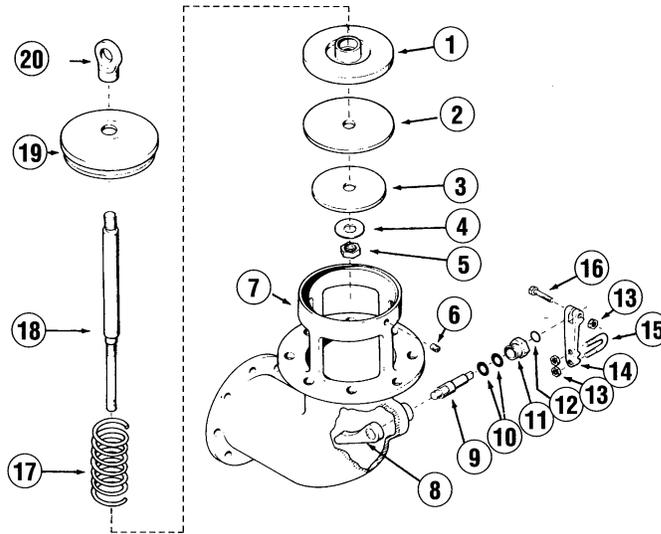
## F241 Emergency Valve, Mechanical

(Continued from page 20)

**EMCO WHEATON**

**DESCRIPTION  
AND PART NUMBERS**

F241-003 / 004 / 008 / 009 / 032 / 036



EMERGENCY VALVES

REF	DESCRIPTION	PART # F241-003 3" BUNA	PART # F241-004 4" BUNA	PART # F241-008 3" GYLON	PART # F241-009 4" GYLON	PART # F241-032 3" BUNA	PART # F241-036 4" VITON	REQ'D
1	Disc Holder	563686	563687	577607	577608	563686	563687	1
2	Plunger Disc	407710	407747	563618	563123	407724	408024	1
3	Disc Retainer Plt	407699	450342	407699	450342	407699	450342	1
4	Washer	407723	407723	407700	407700	407723	407723	1
5	Plunger Stem Nut	407722	407722	407701	407701	407722	407722	1
6	Set Screw	444562	444562	444562	444562	444562	444562	3
7	Body	407706	407705	407706	407705	407706	407705	1
8	Cam	407717	407751	407704	407727	407717	407751	1
9	Operating Stem	407713	407713	443468	443468	407713	407713	1
10	Packing Gland	407804	407804	563113	563113	407804	407804	2
11	Stuffing Box Nut	407709	407709	577603	577603	407709	407709	1
12	O-ring	404942	404942	404942	404942	404942	566295	1
13	Nut	445540	445540	445540	445540	445540	445540	3
14	Operating Lever	441836	442144	441836	442144	441836	442144	1
15	U-bolt	443793	443793	443793	443793	443793	443793	1
16	Screw	407943	407943	407943	407943	407943	407943	1
17	Spring	409733	561083	443460	443460	409733	561083	1
18	Plunger Stem	407715	407749	407702	446361	407715	407749	1
19	Bonnet	444671	450339	444671	450339	444671	450339	1
20	Plunger Bail (Opt)	440036	440036	440036	440036	440036	440036	1

\*NOTE: Please call customer service at 1-800-285-3626 for F241-005 parts breakdown



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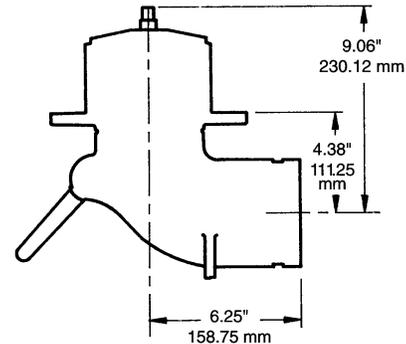
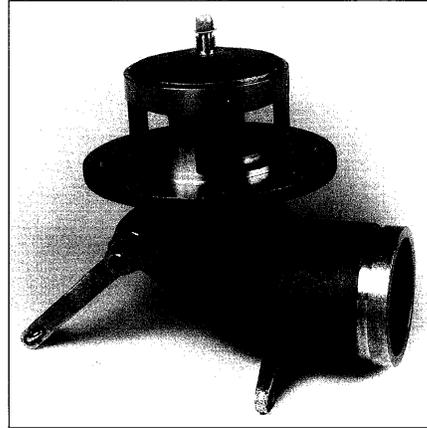
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## F242 Emergency Valve, Mechanical

**EMCO WHEATON™**

### FEATURES AND BENEFITS

- Manufactured to DOT-406 regulations.
- Lightweight Aluminum.
- Operable from above and below valve.
- Conical spring allows greater lift and maximum flow.
- Concentric plunger prevents leakage.
- Stainless Steel trim available for chemical applications.
- Cable guide cast on to valve body.
- Standard Seal - Buna. Options - Viton, Gylon and others available upon request.
- Optional: Screen, Plunger. Bail Fuse plate and support available.



EMERGENCY VALVES

PART NUMBER	DESCRIPTION	WEIGHT
F242-003	3", Buna Seals	8.25 lbs - 3.74 kg
F242-004	★ 4", Buna Seals★	9.50 lbs - 4.31 kg
F242-024	★ 4", Viton Seals★	9.50 lbs - 4.31 kg
F242-029	★ 4", Gylon Seals, Stainless Steel Trim★	11.00 lbs - 4.99 kg
F242-031	3", Viton Seals	8.25 lbs - 3.74 kg

### ★DISCONTINUED★

NOTE: All 4" F240 series valves replaced by new F7000 series.

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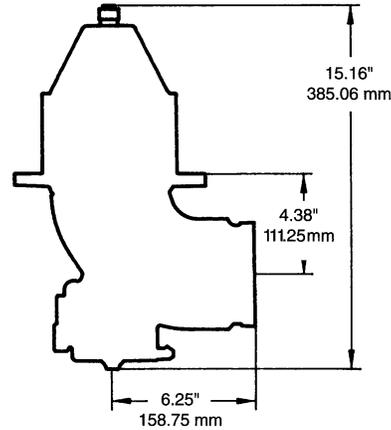
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## **F467** **4" Emergency Valve, Air-Operated**

**//EMCO WHEATON\**™

### **FEATURES AND BENEFITS**

- Manufactured to DOT-406 regulations.
- Lightweight Aluminum.
- High flow capacity.
- Cylinder air feed exhausts through breather to atmosphere.
- Air feed of cylinder has fusible plug.
- Safe: Manually operable in case of emergency.



EMERGENCY VALVES

PART NUMBER	DESCRIPTION	WEIGHT
F467-007	4", Viton Seal	11.75 lbs - 5.33 kg

Refer to page 44 for discontinued variants.

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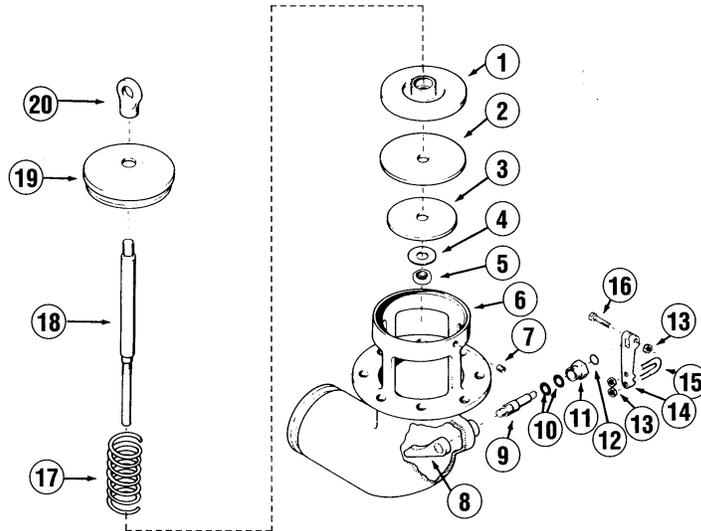
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## F242 Emergency Valve, Mechanical

(Continued from page 22)

**EMCO WHEATON™**



Mounting Gasket Available  
Part #443507

EMERGENCY VALVES

### DESCRIPTION AND PART NUMBERS

REF	DESCRIPTION	PART # F242-004 4" BUNA	PART # F242-024 4" VITON	PART # F242-029 4" GYLON	REQ'D	MATERIAL
1	Disc Holder	563687	563687	577608	1	Aluminum
2	Plunger Disc	407747	408024	563123	1	Buna/Viton/Gylon
3	Retainer Plate	450342	450342	450342	1	Aluminum
4	Washer	407723	407723	407700	1	Steel
5	Nut	407722	407722	407701	1	Steel
6	Body	407743	407743	407743	1	Aluminum
7	Set Screw	444562	444562	444562	3	Stainless Steel
8	Cam	407751	407751	407727	1	Iron
9	Operating Stem	407713	407713	443468	1	Steel
10	Packing Gland	407804	407804	563113	2	PTFE
11	Stuffing Box Nut	407709	407709	577603	1	Brass
12	O-ring	404942	566295	404942	1	Buna/Viton/Gylon
13	Nut	445540	445540	445540	2	Steel Plated
14	Operating Lever	442144	442144	442144	1	Malleable Iron
15	U-bolt	443793	443793	443793	1	Steel Plated
16	Screw	407943	407943	407943	1	Steel Plated
17	Spring	561083	561083	443460	1	Wire
18	Plunger Stem	407749	407749	446361	1	Steel Plated
19	Bonnet	450339	450339	450339	1	Aluminum
20	Plunger Bail, Optional	440036	440036	440036	1	Aluminum

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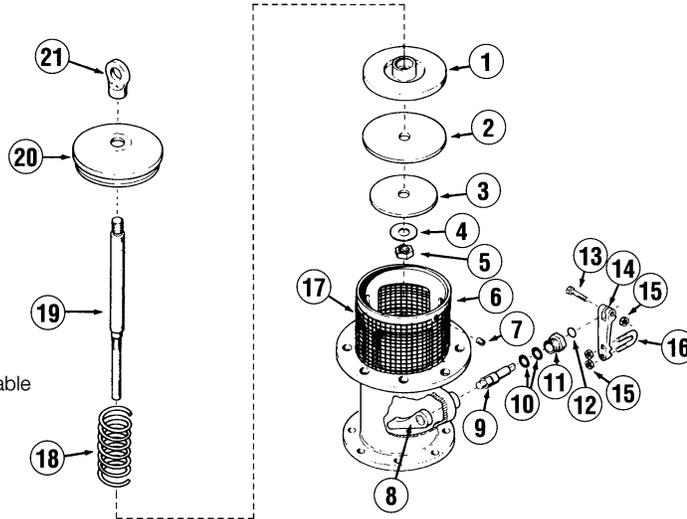
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## F243 Emergency Valve, Mechanical

(Continued from page 24)

**EMCO WHEATON™**



### DESCRIPTION AND PART NUMBERS

REF	DESCRIPTION	PART # F243-002 4" BUNA	PART # F243-005 4" GYLON	PART # F243-013 4" VITON	PART # F243-017 4" VITON	PART # F243-018 4" GYLON	REQ'D	MATERIAL
1	Disc Holder	563687	577608	577608	563687	577608	1	Aluminum
2	Plunger Disc	407747	563123	408024	408024	563123	1	Buna/Viton
3	Disc Retainer Plate	450342	450342	450342	450342	450342	1	Aluminum
4	Washer	407723	407700	407700	407723	407700	1	Steel/SST
5	Plunger Stem Nut	407722	407701	407701	407722	407701	1	Steel/SST
6	Body	407745	407745	407745	503661	563661	1	Aluminum
7	Set Screw	444562	444562	444562	444562	444562	3	Stainless Steel
8	Cam	407751	407727	407727	407751	407727	1	Ductile Iron/Steel
9	Operating Stem	407713	443468	443468	407713	443468	1	Steel/SST
10	Packing Gland	407804	563113	407804	407804	563113	2	PTFE
11	Stuffing Box Nut	407709	577603	577603	407709	577603	1	Brass
12	O-ring	404942	404942	566295	566295	404942	1	Buna
13	Screw	407943	407943	407943	407943	407943	1	Steel
14	Operating Lever	442144	442144	442144	442144	442144	1	AL & Bronze
15	Nut	445540	445540	445540	445540	445540	3	Steel Plated
16	U-bolt	443793	443793	449793	443793	443793	1	—
17	Screen, Optional	—	—	—	—	—	—	—
18	Spring	561083	443460	443460	561083	443460	1	Wire/SST
19	Plunger Stem	407715	407702	407702	407715	407702	1	Steel/SST
20	Bonnet	450339	450339	450339	450339	450339	1	Aluminum
21	Plunger Bail, Optional	440036	440036	440036	440036	440036	1	Aluminum

EMERGENCY VALVES

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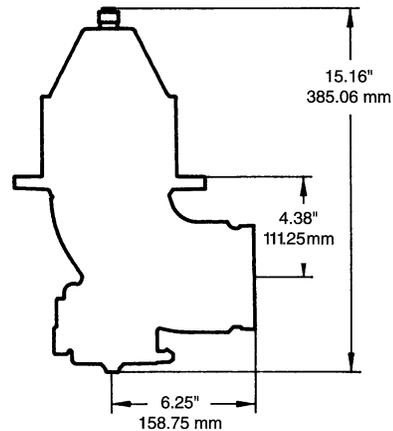
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## **F467** **4" Emergency Valve, Air-Operated**

**//EMICO WHEATON\**

### **FEATURES AND BENEFITS**

- Manufactured to DOT-406 regulations.
- Lightweight Aluminum.
- High flow capacity.
- Cylinder air feed exhausts through breather to atmosphere.
- Air feed of cylinder has fusible plug.
- Safe: Manually operable in case of emergency.



EMERGENCY VALVES

PART NUMBER	DESCRIPTION	WEIGHT
F467-007	4", Viton Seal	11.75 lbs - 5.33 kg

Refer to page 44 for discontinued variants.

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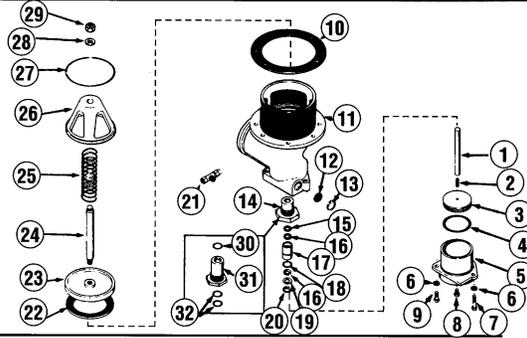
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## F467 Emergency Valve, Air-Operated

(Continued from page 26)

**EMCO WHEATON™**



### DESCRIPTION AND PART NUMBERS

REF	DESCRIPTION	PART # F467-007	REQ'D	MATERIAL
1	Cylinder Stem	560127	1	Steel
2	Roll Pin	470031	1	Steel
3	Cylinder Poppet	297052	1	Aluminum
4	O-ring	577636	1	Viton
5	Cylinder Cup	297048	1	Aluminum
6	Lockwasher	470034	3	Steel
7	Screw	297282	1	Steel
8	Screw	403587	1	Steel
9	Screw	405766	2	Steel
10	Gasket	443507	1	Cork Buna
11	Body	560175	1	Aluminum
12	Breather Filter	297041	1	Felt
13	Retaining Ring	409262	1	Steel
14	Housing	560126	1	Aluminum
15	Wiper	560129	1	Buna
16	Quad Ring	560130	2	Buna & Viton
17	Sleeve	409399	1	Celcon & Viton
18	O-ring	407433	1	Buna & Viton
19	Washer	560128	1	Steel
20	Retaining Ring	408169	1	Steel
21	Feed Tee w/Fuse Plug	297055	1	Brass
22	Valve Disc	409044	1	Buna/Viton
23	Disc Holder	297039	1	Aluminum
24	Stem	297054	1	Steel
25	Spring	409734	1	Steel
26	Spring Retainer	297029	1	Aluminum
27	Retaining Ring	297030	1	Steel
28	Washer	470026	1	Steel
29	Nut	407722	1	Steel
30	Wiper Ring	—	1	Buna & PTFE
31	Stuffing Box	—	1	Aluminum
32	O-ring	—	2	Buna & PTFE
	Screws	031658	6	
	Screen	443519	1	
	O-ring	577068	1	

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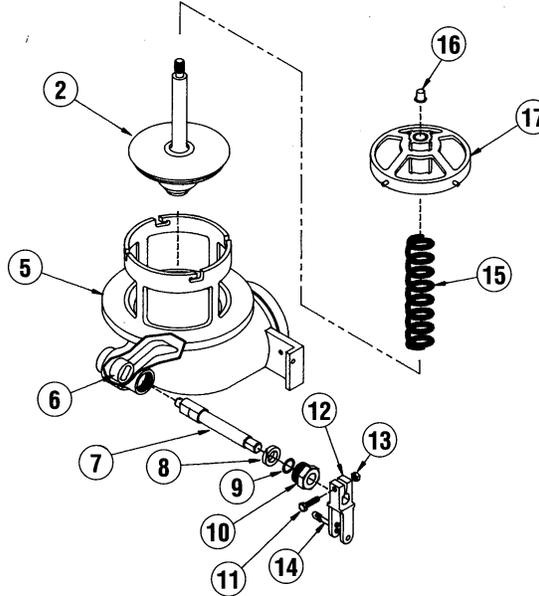
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## F601 4" Mechanical Emergency Valve Flanged or Victaulic

(Continued from page 30)



**NOTE: Parts are still available for F600 series.**



Mounting Gasket Available  
Part #443507

### DESCRIPTION AND PART NUMBERS

REF	DESCRIPTION	PART #	PART #	PART #	PART #	PART #	PART #	REQ'D	MATERIAL
		F601-001 VITON FLANGED	F601-002 PTFE/SIL FLANGED	F601-003 CHEMRAZ FLANGED	F601-006 VITON VICTAULIC	F601-007 PTFE/SIL VICTAULIC	F601-008 CHEMRAZ VICTAULIC		
	Cap (not shown)	—	—	—	566114	566114	566114	1	Plastic
2	Poppet Assembly	494009	494010	494011	494009	494010	494011	1	Aluminum/SST
	Poppet*	577042	577042	577042	577042	577042	577042	1	Aluminum
	O-Ring*	577039	577046	577047	577039	577046	577047	1	—
	Roller*	577029	577029	577029	577029	577029	577029	1	Stainless Steel
5	Machined 4" Body	565713	565713	565713	565711	565711	565711	1	Aluminum
6	Cam	565723	565723	565723	565723	565723	565723	1	Stainless Steel
7	Cam Stem	565725	565725	565725	565725	565725	565725	1	Nickel/Steel
8	Packings	407804	407804	407804	407804	407804	407804	2	Acryl
9	Cam Stem O-ring	404942	404942	404942	404942	404942	404942	1	Buna
10	Packing Nut	407709	407709	407709	407709	407709	407709	1	CAD/Brass
11	Bolt	407943	407943	407943	407943	407943	407943	1	Steel
12	Nuts	445540	445540	445540	445540	445540	445540	3	Steel
13	Lever Arm	577410	577410	577410	577410	577410	577410	1	Iron
14	U-Bolt	443793	443793	443793	443793	443793	443793	1	Nickel/Steel
15	Spring	566037	566037	566037	566037	566037	566037	1	Stainless Steel
16	Thread Protector	563082	563082	563082	563082	563082	563082	1	Plastic
17	Bonnet Assembly	494008	494008	494008	494008	494008	494008	1	Aluminum/SST

\*Components of Poppet Assembly can be obtained separately. However, when replacing PTFE/Sil the Poppet Assembly should be obtained as complete unit.



EMERGENCY VALVES

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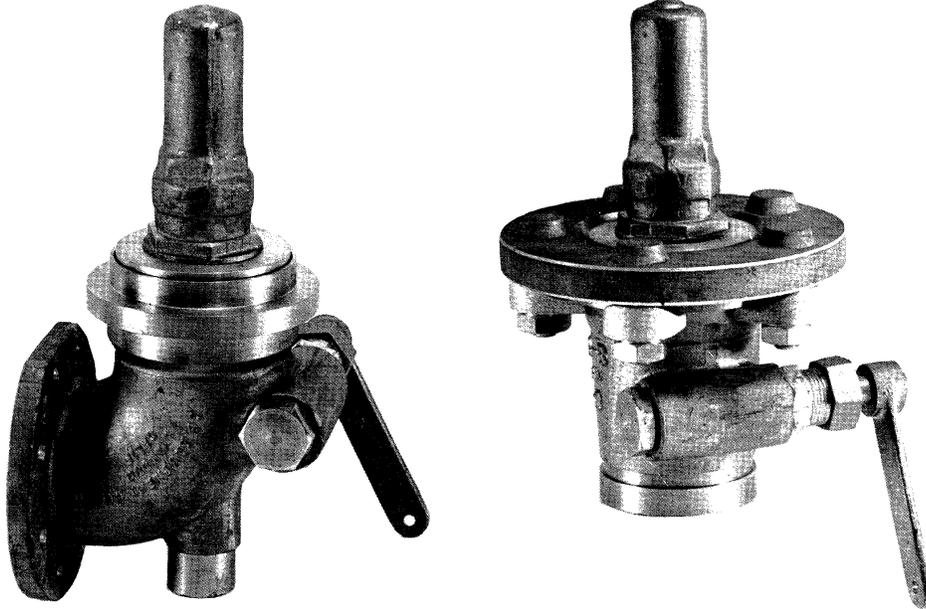
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## 3" INTERNAL VALVE



The 3" Internal Valve is made of cast aluminum or 316 stainless steel with the trim parts available in all aluminum, all 316 stainless steel or other varied combinations.

The valve is designed for long life, easy maintenance and has been in use, successfully, for thirty years. Each unit is fully tested at the time of assembly.

It may be ordered with either a flanged outlet or a victaulic outlet. The inlet flange and clips allow the valve to be turned to fit any installation and is available in 316 stainless steel or aluminum. All of the internal parts are replaceable.

The 3" Valve is also available with a 25 pound spring (without the operating mechanism) for use as a check valve.

Springs:      25 pound – SS                      62 pound – SS  
                     55 pound – 316 SS                      90 pound – SS

BODY	INTERNAL TRIM			
	Al/Brass Viton	SS 316 Teflon	Aluminum Viton	Inlet Flange Assembly
Elbow, Aluminum, Flanged	VA 0043	VA 0044	VA 0045	Aluminum 7220
Elbow, 316 SS, Flanged		VA 0047		Steel 7278
Elbow, Aluminum, Victaulic	VA 0048	VA 0049	VA 0050	316 SS 7221
Straight, Aluminum, Flanged	VA 0052	VA 0053	VA 0054	
Straight, 316 SS, Flanged		VA 0056		
Straight, Aluminum, Victaulic	VA 0057	VA 0058	VA 0059	
Elbow, 316 SS Victaulic		VA 0046		

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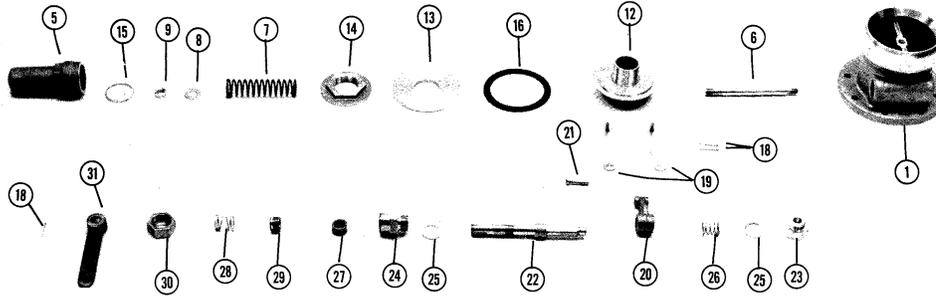
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## 3" INTERNAL VALVE

REFERRALS	DESCRIPTION	STEEL	ALUMINUM	PLATED	BRASS	316 SS	OTHER
1	Body, Straight, Flanged		7200			7201	
2	Body, Straight, Victaulic	NOT SHOWN	7202			7203	
3	Body, Elbow, Flanged	NOT SHOWN	7204			7205	
4	Body, Elbow, Victaulic	NOT SHOWN	7206			7207	
5	Cap, Valve		7083			7084	
6	Stem, Valve					7086	
7	Spring, Valve					7087	
8	Washer, SAE 1/2"			1043		2618	
9	Nut, Flex Lock 1/2 - 20 Thin			7024		7957	
10	Disc Assembly - Aluminum	NOT SHOWN	7208				
11	Disc Assembly - 316 SS	NOT SHOWN				7209	
12	Disc		7210			7211	
13	Disc, Washer		7212			7213	
14	Disc, Lock Nut		7091		7097		
15	Cap, Washer		8041			7098	
16	Seat Ring, Viton						7214
17	Seat Ring, Teflon	NOT SHOWN					7215
18	Pin, Cotter 3/32 x 1" (3)					7100	
19	Bar, Lift Assy.			7216		7217	
20	Lever, Lift		7103		7104	7105	
21	Screw, HHC 1/4 - 20 x 1 3/4					4583	
22	Shaft			7218		7219	
23	Plug		7110			7111	
24	Gland		7112			7113	
25	Gasket, Gland and Plug (2)		7114			7115	
26	Spring, Plug					7116	
27	Packing (2)						7117
28	Spring, Gland Nut					7118	
29	Push Ring		7119			7120	
30	Gland Nut		7121			7122	
31	Handle				7123	7124	
32	Inlet Flange	NOT SHOWN	7278	7220		7221	
33	Clips, Valve	NOT SHOWN		7128		7129	
34	Clips, Nut	NOT SHOWN		7130		7131	
35	Gasket, Inlet - Corprene	NOT SHOWN					7222
36	Gasket, Inlet - Teflon	NOT SHOWN					7223
37	Gasket, Outlet - Corprene 4 Hole	NOT SHOWN					7224
38	Gasket, Outlet - Corprene - 8 Hole	NOT SHOWN					7225
39	Gasket, Outlet - Teflon - 4 Hole	NOT SHOWN					7226
40	Gasket, Outlet - Teflon - 8 Hole	NOT SHOWN					7227
41	Flange, Outlet	7943	7325			7326	
42	Gasket, Outlet - Hi Temp			7938 (4 hole)		(8 hole) 7327	
43	Gasket, Inlet - Hi Temp					7328	
44	Nut, Lock 1/4 x 20	NOT SHOWN				7030	
45	Lift Lever Bar Assy.		7690	7605		7194	

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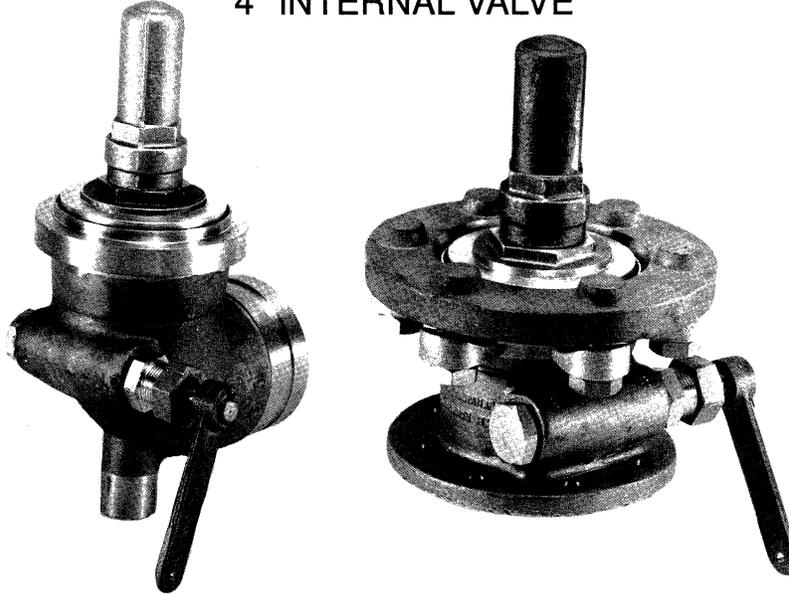
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## 4" INTERNAL VALVE



The 4" Internal Valve design has been in use, successfully, for thirty years. The valve is designed for long life, easy maintenance and each unit is fully tested at the time of assembly.

The body is made of cast aluminum or 316 stainless steel. The trim parts are available in all aluminum, all 316 stainless steel or various other combinations.

This unit may be ordered with either a flanged outlet or a victaulic outlet. The inlet flange and clips allow the valve to be turned to fit any installation and is available in 316 stainless steel or aluminum. All of the internal parts are replaceable.

The 4" Internal Valve is also available with a 25 pound spring (without the operating mechanism) – for use as a check valve.

Springs:      25 pound – SS                      62 pound – SS  
                   55 pound – 316 SS                90 pound – SS

BODY	INTERNAL TRIM			Inlet Flange Assembly
	Al/Brass Viton	SS 316 Teflon	Aluminum Viton	
Elbow Aluminum, Flanged	VA 0061	VA 0064	VA 0063	Aluminum 7248
Elbow, 316 SS, Flanged		VA 0065		Steel 7273
Elbow, Aluminum, Victaulic	VA 0066	VA 0069	VA 0068	316 SS 7249
Straight, Aluminum, Flanged	VA 0070	VA 0071	VA 0073	
Straight, 316 SS, Flanged		VA 0074		
Straight, Aluminum, Victaulic	VA 0075	VA 0078	VA 0077	

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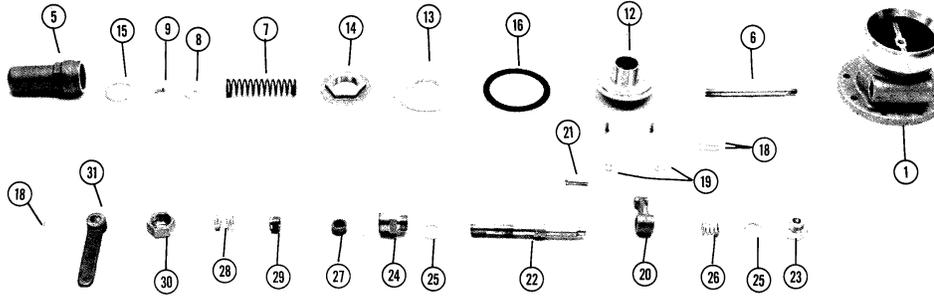
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# Western Pacific Products, Inc.

*Anything In Or On Your Tank – Ready to Ship*

*Over 8,000 Part Numbers – Over 26,000 Square Feet of Warehouse – We Ship Worldwide*



## 4" INTERNAL VALVE

REFERRALS	DESCRIPTION	STEEL	ALUMINUM	PLATED	BRASS	316 SS	OTHER
1	Body, Straight, Flanged		7228			7229	
2	Body, Straight, Victaulic	NOT SHOWN	7230			7231	
3	Body, Elbow, Flanged	NOT SHOWN	7232			7233	
4	Body, Elbow, Victaulic	NOT SHOWN	7234			7235	
5	Cap, Valve		7083			7084	
6	Stem, Valve			7085		7086	
7	Spring, Valve					7087	
8	Washer, SAE 1/2"			1043		2618	
9	Nut, Flex Lock 1/2 - 20" Thin			7024		7957	
10	Disc Assembly - Aluminum	NOT SHOWN	7276				
11	Disc Assembly - 316 SS	NOT SHOWN				7277	
12	Disc		7236			7237	
13	Disc, Washer		7238			7239	
14	Disc, Lock Nut		7240			7241	
15	Cap, Washer		8041			7098	
16	Seat Ring, Viton						7242
17	Seat Ring, Teflon	NOT SHOWN					7243
18	Pin, Cotter 3/32 x 1" (3)					7100	
19	Bar, Lift			7244		7245	
20	Lever, Lift		7103		7104	7105	
21	Screw, HHC 1/4" - 20 x 1 3/4					4583	
22	Shaft			7246		7247	
23	Plug		7110			7111	
24	Gland		7112			7113	
25	Gaskets, Gland and Plug (2)		7114			7115	
26	Spring, Plug					7116	
27	Packing (2)						7117
28	Spring, Gland Nut					7118	
29	Push Ring		7119			7120	
30	Gland Nut		7121			7122	
31	Handle				7123	7124	
32	Inlet Flange	NOT SHOWN	7273	7248		7249	
33	Clips, Valve	NOT SHOWN		(Ductile Iron)	7128	7129	
34	Clip, Nut	NOT SHOWN			7130	7131	
35	Gasket, Inlet - Corprene	NOT SHOWN					7250
36	Gasket, Inlet - Teflon	NOT SHOWN					7251
37	Gasket, Outlet - Corprene - 6 Hole	NOT SHOWN					7252
38	Gasket, Outlet - Corprene - 8 Hole	NOT SHOWN					7253
39	Gasket, Outlet - Teflon - 6 Hole	NOT SHOWN					7254
40	Gasket, Outlet - Teflon - 8 Hole	NOT SHOWN					7255
41	Flange, Outlet		7329	7330		7331	
42	Gasket, Outlet - Hi Temp	NOT SHOWN		(8 hole)	7941	(6 hole)	7332
43	Gasket, Inlet - Hi Temp	NOT SHOWN					7333
44	Nut Lock 1/4 x 20					7030	
45	Lift Lever & Bar Assy		7691	7641		7642	

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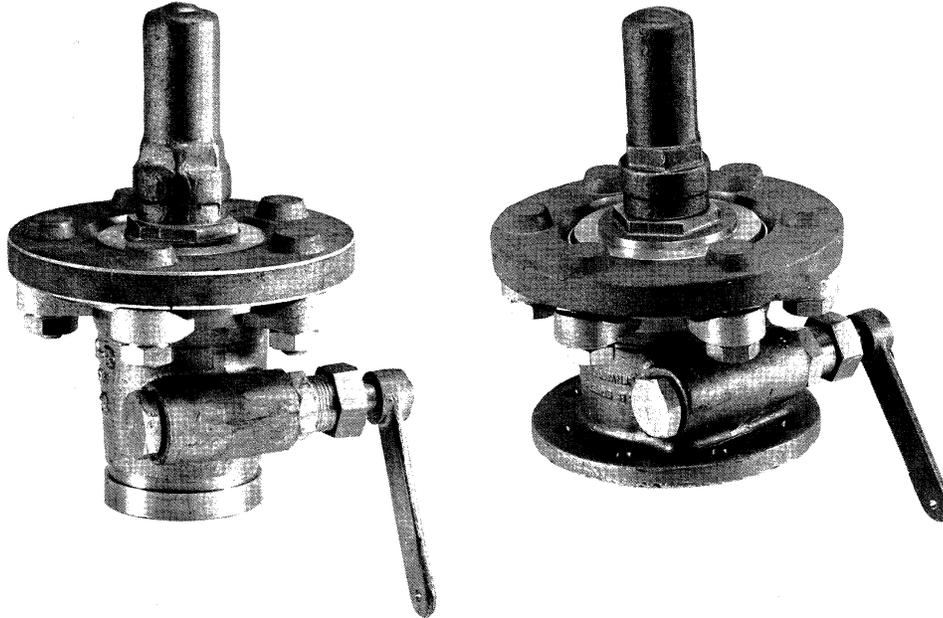
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## 5" INTERNAL VALVE



The 5" Internal Valve is designed for long life, easy maintenance and fully tested at assembly. This design has been successfully used for thirty years.

The unit can be ordered in aluminum with the trim parts available in all aluminum, 316 stainless steel or in various other combinations.

The 5" Internal Valve is not available in stainless steel.

The aluminum inlet flange with clips allow the valve to be turned to fit any installation. All of the internal parts are replaceable.

The 5" Valve may also be ordered with a 25 pound spring – (without the operating mechanism) – for use as a check valve.

Springs:      25 pound – SS                      62 pound – SS  
                   55 pound – 316 SS                90 pound – SS

BODY	INTERNAL TRIM			Inlet Flange Assembly
	Al/Brass Viton	SS 316 Teflon	Aluminum Viton	
Straight, Aluminum, Flanged	VA 0079	VA 0082	VA 0081	Aluminum 7270
Straight, Aluminum, Victaulic	VA 0084			

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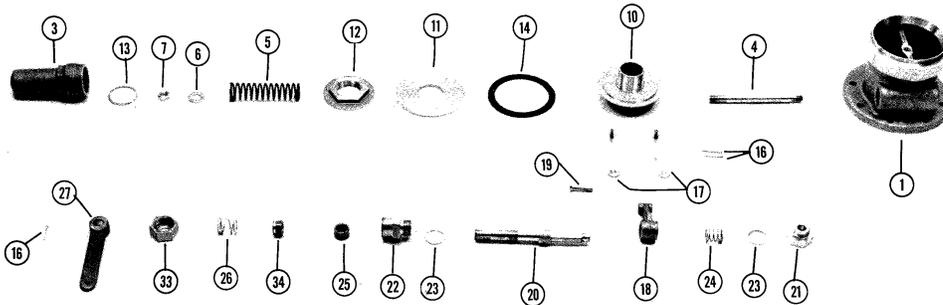
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## 5" INTERNAL VALVE

REFERRALS	DESCRIPTION	STEEL	ALUMINUM	PLATED	BRASS	316 SS	OTHER
1	Body, Straight - Flanged		7256				
2	Body, Straight - Victaulic		7257				
3	Cap, Valve		7083			7084	
4	Stem, Valve					7086	
5	Spring, Valve					7087	
6	Washer, SAE 20 1/2"			1043		2618	
7	Nut, Flex Lock 1/2 - 2- Thin			7024			
8	Disc Assembly, Aluminum	NOT SHOWN	7260				
9	Disc Assembly, 316 SS	NOT SHOWN				7261	
10	Disc		7262			7263	
11	Disc, Washer		7264			7265	
12	Disc, Lock Nut		7240			7241	
13	Cap, Washer		8041			7098	
14	Seat Ring - Viton						7266
15	Seat Ring - Teflon	NOT SHOWN					7267
16	Pin, cotter 3/16" x 1" (3)					7100	
17	Bar Lift (2)			7244		7245	
18	Lever Lift		7103		7104	7105	
19	Screw, HHC 1/4 - 20 x 1 3/4					4583	
20	Shaft			7268		7269	
21	Plug		7110			7111	
22	Gland		7112			7113	
23	Gasket, Gland and Plug (2)		7114			7115	
24	Spring, Plug					7116	
25	Packing (2)						7117
26	Spring, Gland Nut					7118	
27	Handle				7123	7124	
28	Inlet Flange	NOT SHOWN	7270				
29	Clips, Valve	NOT SHOWN	(Ductile Iron)	7128		7129	
30	Clips, Nut	NOT SHOWN		7130		7131	
31	Gasket Inlet - Corprene	NOT SHOWN					7274
32	Gasket, Inlet - Hi Temp	NOT SHOWN					7436
33	Gland Nut		7121			7122	
34	Push Ring		7119			7120	
35	Flange, Outlet	7563	7423			7336	
36	Gasket, Outlet - Corprene						7337
37	Gasket, Outlet - Teflon						7338
38	Gasket, Outlet - Hi Temp	6 Hole					7426
39	Gasket, Inlet - Teflon						7340
40	Nut, Top Lock 1/4 - 20					7030	

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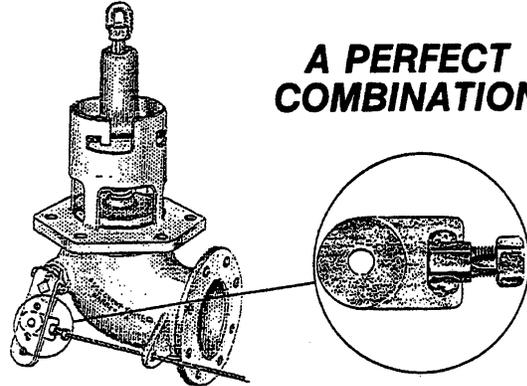
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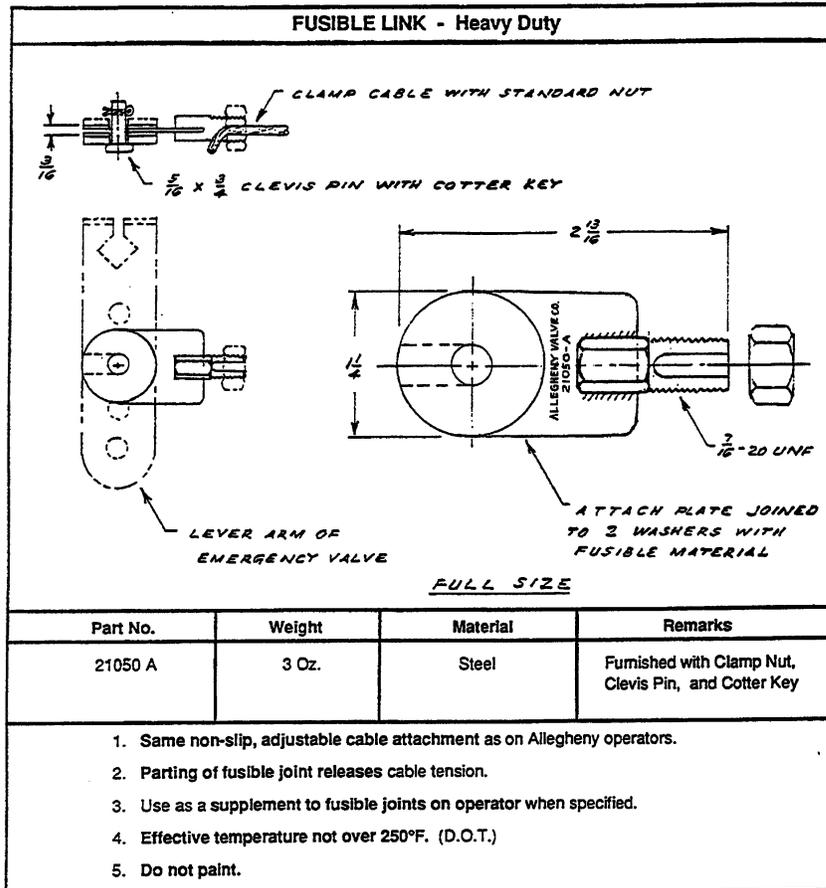
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