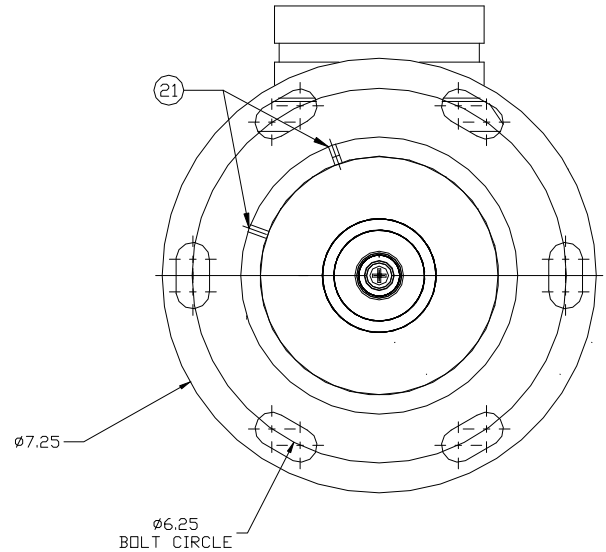
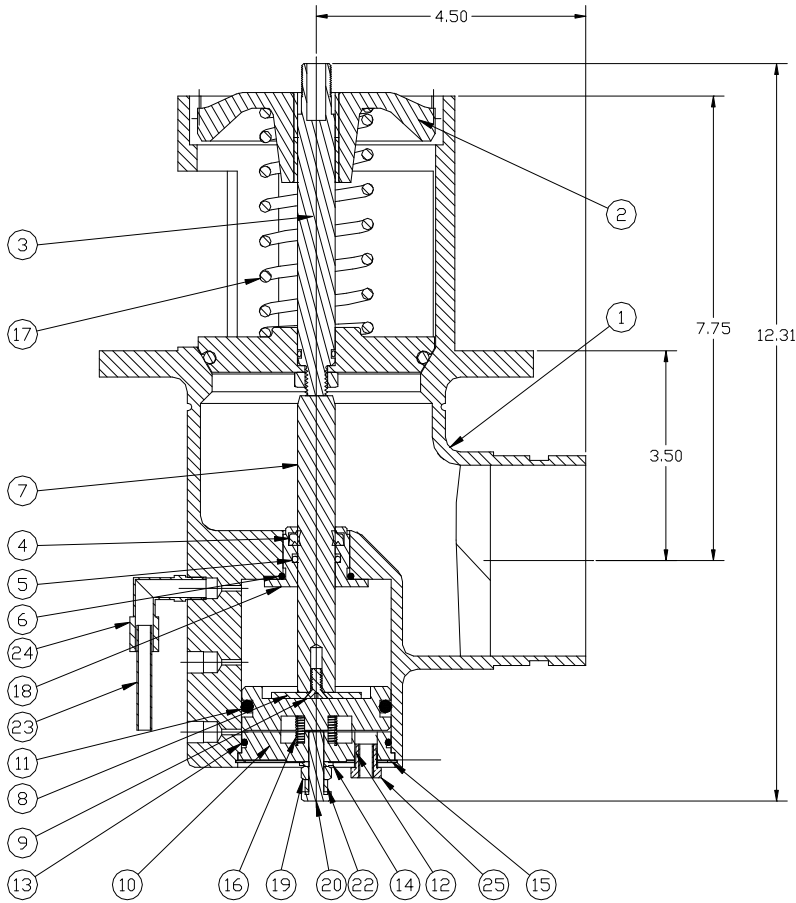




VA1050 3" Emergency Valve

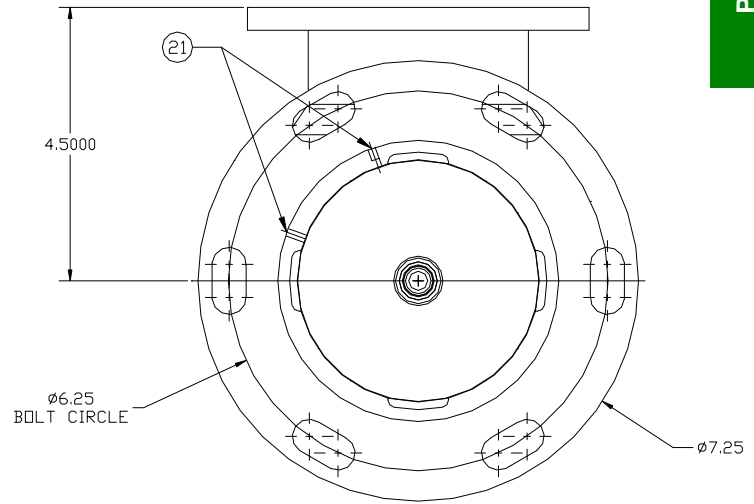
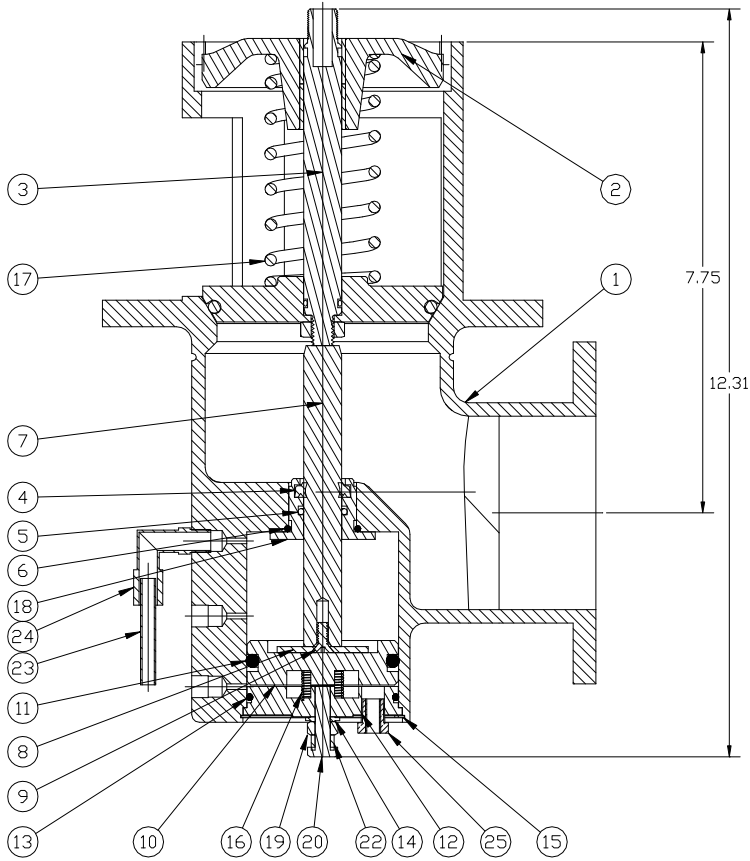


ITEM	PART NUMBER	DESCRIPTION	QTY.
1	10684	MACHINED BODY	1
2	10819	TOP CAP ASSEMBLY	1
3	10810M	POPPET SUB-ASSEMBLY	1
4	10238M	WIPER SEAL	1
5	10681M	O-RING, VITON GF	1
6	10700	O-RING, VITON GF	1
7	10692	ROD, SS	1
8	10338	WASHER	1
9	10339	SCREW, 10-24 x 1/2 18-8	1
10	10683	PISTON	1
11	10676M	O-RING, FLUROSILICONE	1
12	10719	END CAP	1
13	10720	O-RING, BUNA-N	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
14	10344	SEAL WASHER, 1/4" SS	1
15	10345	RETAIN CLIP	1
16	10346	SPRING, POPPET	1
17	10347	SPRING, AIR CYLINDER	1
18	10823	GLAND NUT	1
19	1088	NUT, 1/4-20 18-8	1
20	9541	SCREW, 1/4-20 x 1 18-8	1
21	9760	PIN, SS	2
22	10746	JACK SCREW	1
23	9052	QUICK EXHAUST	1
24	9054	BRASS ELBOW	1
25	5047	FUSIBLE PLUG	1



VA2050 3" Emergency Valve

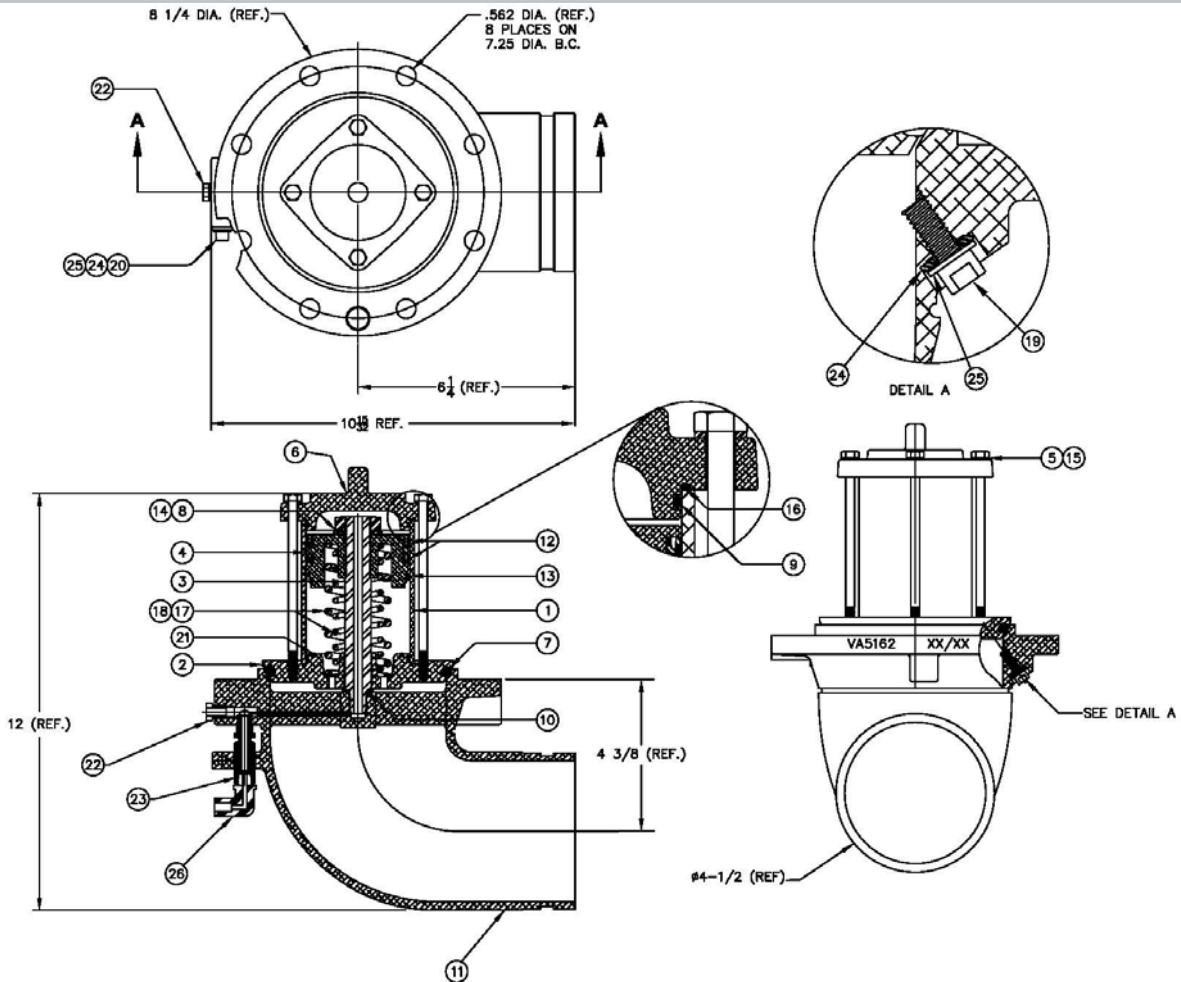


ITEM	PART NUMBER	DESCRIPTION	QTY.
1	11243	MACHINED BODY	1
2	10819	TOP CAP ASSEMBLY	1
3	10810M	POPPET SUB-ASSEMBLY	1
4	10238M	WIPER SEAL	1
5	10681M	O-RING, VITON GF	1
6	10700	O-RING, VITON GF	1
7	10692	ROD, SS	1
8	10338	WASHER	1
9	10339	SCREW, 10-24 x 1/2 18-8	1
10	10683	PISTON	1
11	10676M	O-RING, FLUROSILICONE	1
12	10719	END CAP	1
13	10720	O-RING, BUNA-N	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
14	10344	SEAL WASHER, 1/4" SS	1
15	10345	RETAIN CLIP	1
16	10346	SPRING, POPPET	1
17	10347	SPRING, AIR CYLINDER	1
18	10823	GLAND NUT	1
19	1088	NUT, 1/4-20 18-8	1
20	9541	SCREW, 1/4-20 x 1 18-8	1
21	9760	PIN, SS	2
22	10746	JACK SCREW	1
23	9052	QUICK EXHAUST	1
24	9054	BRASS ELBOW	1
25	5047	FUSIBLE PLUG	1



VA5162 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	12056	PISTON	1
5	6956	HEX CAP SCREW	4
6	6957	CAP	1
7	6959 ¹	O-RING, TEF-O-SIL	1
8	6960 ¹	SEAL WASHER	1
9	6961 ¹	O-RING, BUNA-N	2
10	6962 ¹	SEAL WASHER	1
11	11018	MACHINED BODY	1
12	12122 ¹	O-Ring	2
13	6966 ¹	U-CUP SEAL	1
14	5687	HEX JAM NUT	1
15	H50086M	LOCK WASHER	4

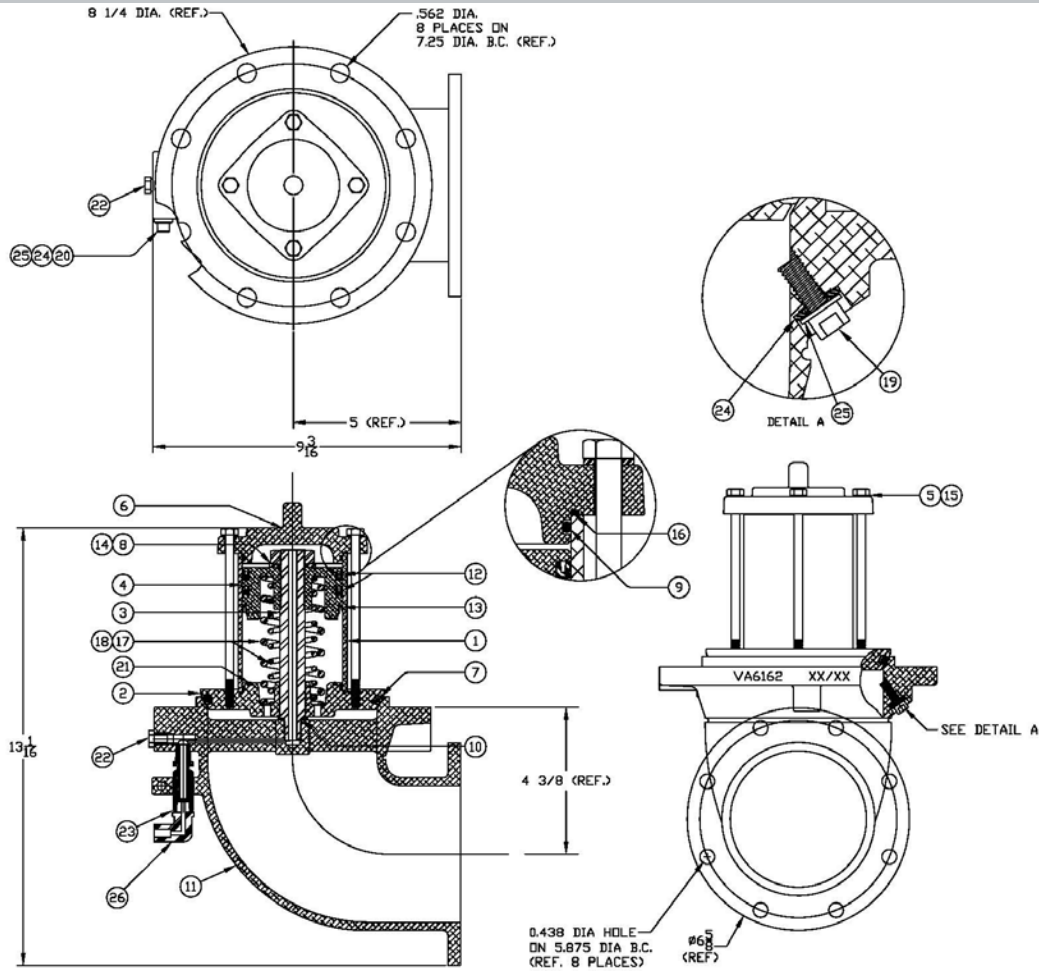
ITEM	PART NUMBER	DESCRIPTION	QTY.
16	6964 ¹	O-RING, VITON	2
17	6233	SPRING (INNER)	1
18	6234	SPRING (OUTER)	1
19	9163	SCREW	1
20	6967	SCREW	1
21	6969 ¹	O-RING, VITON	1
22	5047	FUSIBLE PLUG	1
23	11000	SHEAR SCREW	1
24	10344	SEAL WASHER	2
25	H20312M	WASHER	2
26	9489	ELBOW AIR FITTING	1

REPAIR KIT	
12150	CYLINDER REPAIR KIT

1—Included in 12150



VA6162 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	12056	PISTON	1
5	6956	HEX CAP SCREW	4
6	6957	CAP	1
7	6959 ¹	O-RING, TEF-O-SIL	1
8	6960 ¹	SEAL WASHER	1
9	6961 ¹	O-RING, BUNA-N	2
10	6962 ¹	SEAL WASHER	1
11	11035	MACHINED BODY	1
12	12122 ¹	O-Ring	2
13	6966 ¹	U-CUP SEAL	1
14	5687	HEX JAM NUT	1
15	H50086M	LOCK WASHER	4

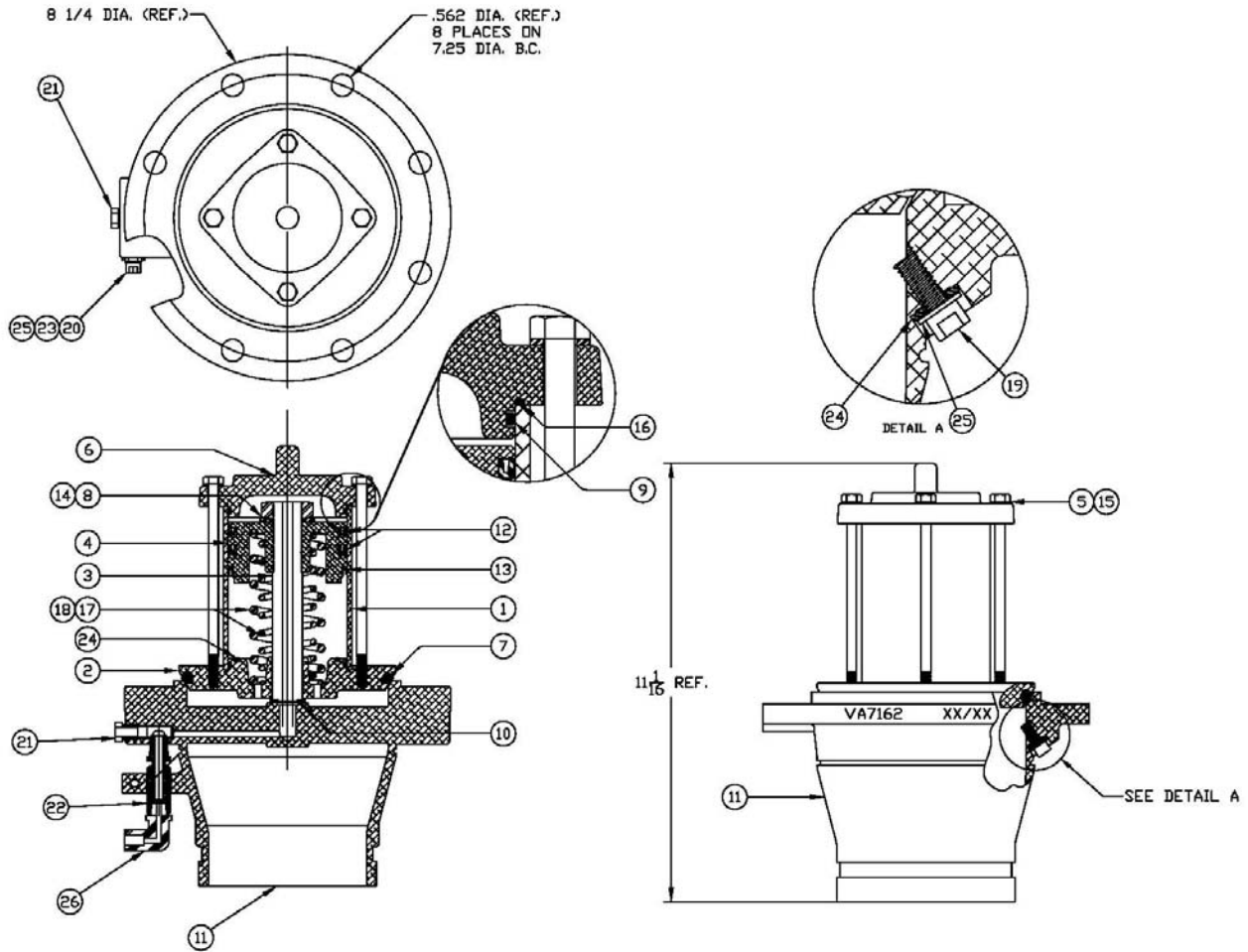
ITEM	PART NUMBER	DESCRIPTION	QTY.
16	6964 ¹	O-RING, VITON	2
17	6233	SPRING (INNER)	1
18	6234	SPRING (OUTER)	1
19	6965	SEAL SCREW	1
20	6967	SCREW	1
21	6969 ¹	O-RING, VITON	1
22	5047	FUSIBLE PLUG	1
23	11000	SHEAR SCREW	1
24	10344	SEAL WASHER	2
25	H20312M	WASHER	2
26	9489	ELBOW AIR FITTING	1

REPAIR KIT	
12150	CYLINDER REPAIR KIT

1—Included in 12150



VA7162 5" X 4" Emergency Valve



PARTS BREAK DOWN

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	6950	CYLINDER BODY	1
2	6951	CYLINDER DISK	1
3	6953	STEM	1
4	12056	PISTON	1
5	6956	HEX CAP SCREW	4
6	6957	CAP	1
7	6959 ¹	O-RING, TEF-O-SIL	1
8	6960 ¹	SEAL WASHER	1
9	6961 ¹	O-RING, BUNA-N	2
10	6962 ¹	SEAL WASHER	1
11	11033	MACHINED BODY	1
12	12122 ¹	O-Ring	2
13	6966 ¹	U-CUP SEAL	1
14	5687	HEX JAM NUT	1
15	H50086M	LOCK WASHER	4

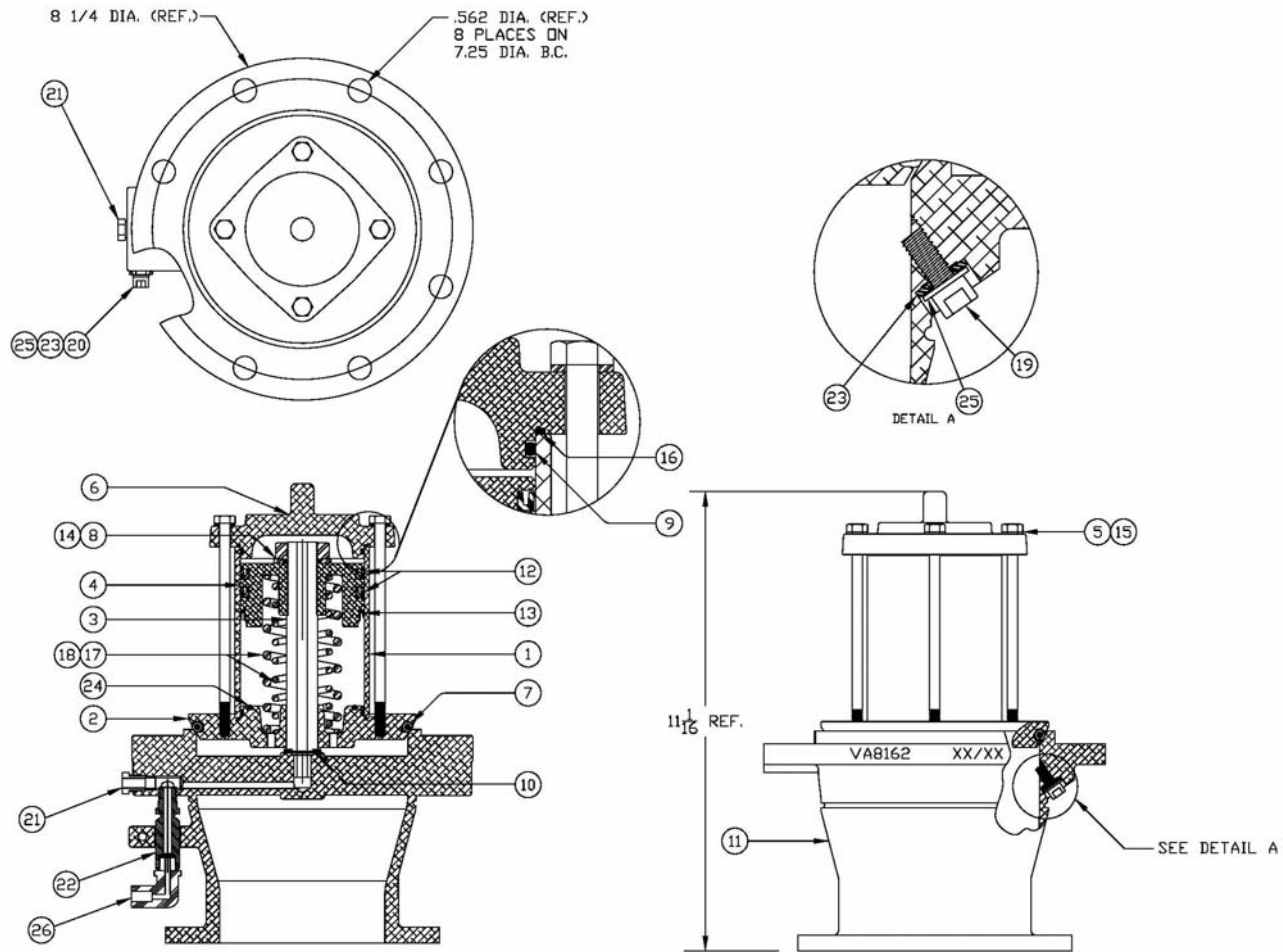
ITEM	PART NUMBER	DESCRIPTION	QTY.
16	6964 ¹	O-RING, VITON	2
17	6233	SPRING (INNER)	1
18	6234	SPRING (OUTER)	1
19	9163	SCREW	1
20	6967	SCREW	1
21	5047	FUSIBLE PLUG	1
22	11000	SHEAR SCREW	1
23	10344	WASHER	2
24	6969 ¹	O-RING, VITON	1
25	H20312M	WASHER	2
26	9489	ELBOW AIR FITTING	1

REPAIR KIT	
12150	CYLINDER REPAIR KIT

1—Included in 12150



VA8162 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	12056	PISTON	1
5	6956	HEX CAP SCREW	4
6	6957	CAP	1
7	6959 ¹	O-RING, TEF-O-SIL	1
8	6960 ¹	SEAL WASHER	1
9	6961 ¹	O-RING, BUNA-N	2
10	6962 ¹	SEAL WASHER	1
11	11031	MACHINED BODY	1
12	12122 ¹	O-Ring	2
13	6966 ¹	U-CUP SEAL	1
14	5687	HEX JAM NUT	1
15	H50086M	LOCK WASHER	4

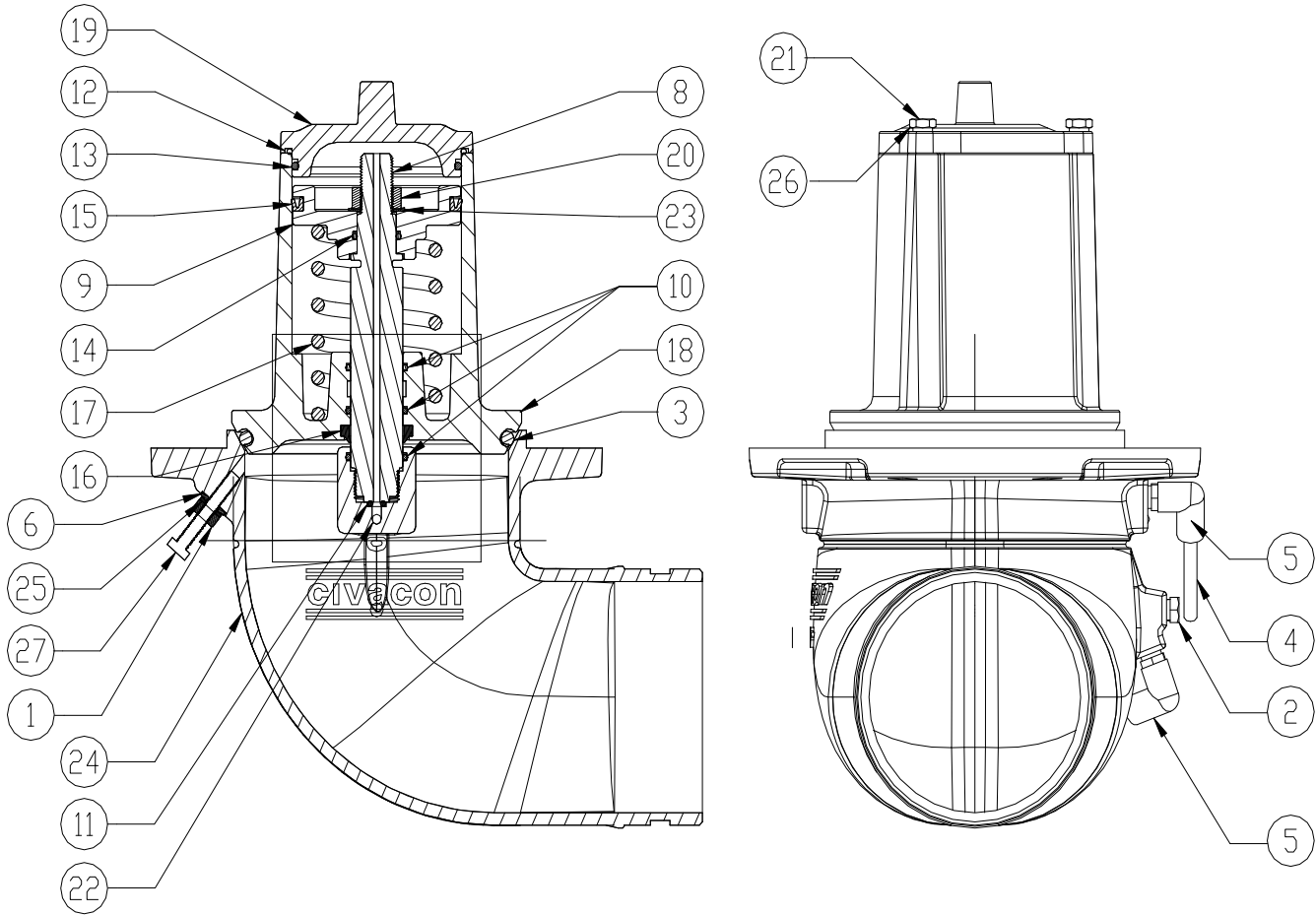
ITEM	PART NUMBER	DESCRIPTION	QTY.
16	6964 ¹	O-RING, VITON	2
17	6233	SPRING (INNER)	1
18	6234	SPRING (OUTER)	1
19	9163	SEAL SCREW	1
20	6967	SCREW	1
21	5047	FUSIBLE PLUG	1
22	11000	SHEAR SCREW	1
23	10344	SEAL WASHER	2
24	6969 ¹	O-RING, VITON	1
25	7031	WASHER	2
26	9489	ELBOW AIR FITTING	1

REPAIR KIT	
12150	CYLINDER REPAIR KIT

1—Included in 12150



VA5182 5"x4" MaxAir II Emergency Valve



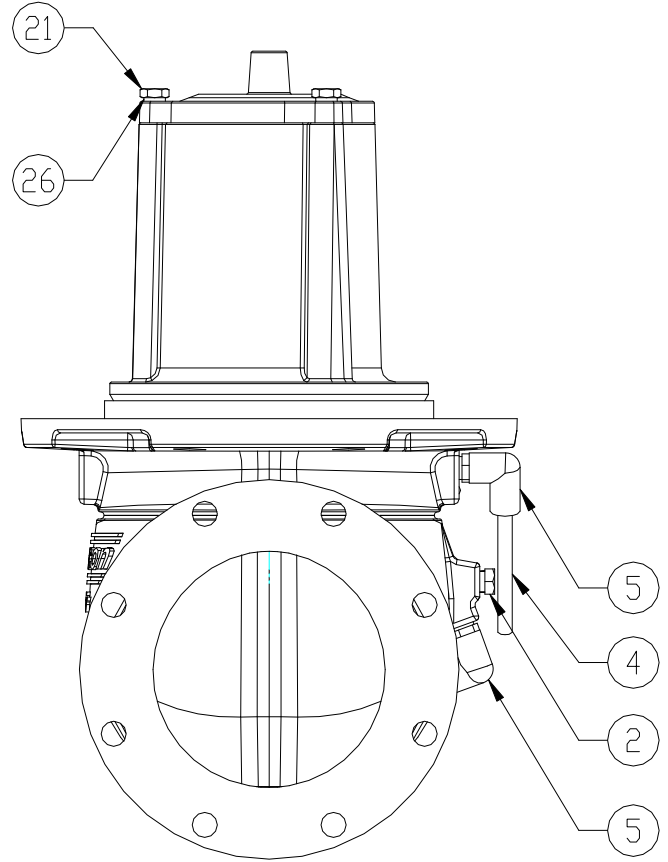
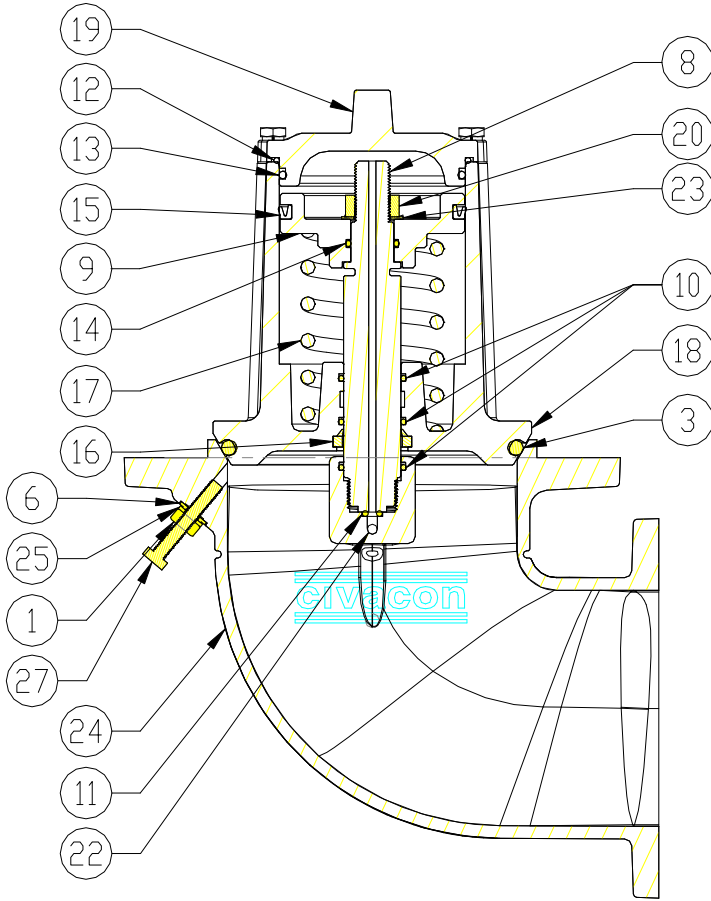
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	1088	NUT, HEX, 1/4-20, SS	1
2	5047	PLUG, FUSIBLE	1
3	6959	O-RING, TFE-O-SIL	1
4	9052	TUBING, AIR, 1/4"	1
5	9489	FITTING, AIR 90°	2
6	10344	WASHER, 1/4"	1
7	12080	PLUG, 3/8" (NOT SHOWN)	1
8	12296	PISTON ROD	1
9	12407	PISTON	1
10	12299	O-RING, VITON GFLT	3
11	12300	O-RING, VITON	1
12	12470	O-RING, VITON	1
13	12471	O-RING, BUNA-N	1
14	12303	O-RING, BUNA-N	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
15	12469	U-CUP, POLYURETHANE	1
16	12305	SEAL, WIPER, VITON	1
17	12306	SPRING	1
18	12404	POPPET, MACHINED	1
19	12406	CAP, MACHINED	1
20	12321	NUT, HEX, 5/8-16, SS	1
21	12525	SCREW, 1/4-28 x 1-1/8" SS	3
22	12324	BALL PLUG, 3/16, SS	1
23	12378	LOCKWASHER	1
24	12307	BODY, MACHINED	1
25	H20312M	WASHER, SS	1
26	H50086M	LOCK WASHER, 1/4" SS	3
27	12322	SCREW, 1/4-20 x 1-5/8" SS	1



VA6182 5"x4" MaxAir II Emergency Valve

RP 11-12D



PARTS BREAK DOWN

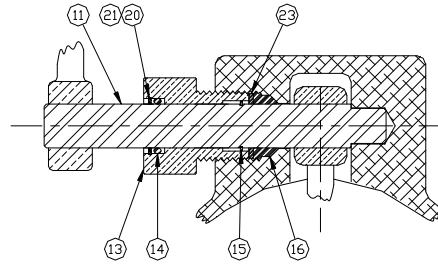
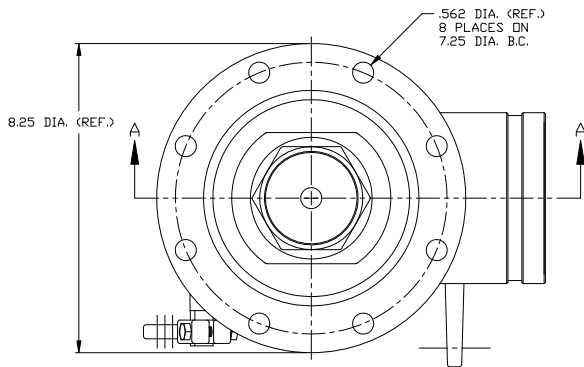
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	1088	NUT, HEX, 1/4-20, SS	1
2	5047	PLUG, FUSIBLE	1
3	6959	O-RING, TFE-O-SIL	1
4	9052	TUBING, AIR, 1/4"	1
5	9489	FITTING, AIR 90°	2
6	10344	WASHER, 1/4"	1
7	12080	PLUG, 3/8" (NOT SHOWN)	1
8	12296	PISTON ROD	1
9	12407	PISTON	1
10	12299	O-RING, VITON GFLT	3
11	12300	O-RING, VITON	1
12	12470	O-RING, VITON	1
13	12471	O-RING, BUNA-N	1
14	12303	O-RING, BUNA-N	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
15	12469	U-CUP, POLYURETHANE	1
16	12305	SEAL, WIPER, VITON	1
17	12306	SPRING	1
18	12404	POPPET, MACHINED	1
19	12406	CAP, MACHINED	1
20	12321	NUT, HEX, 5/8-16, SS	1
21	12525	SCREW, 1/4-28 x 1-1/8" SS	3
22	12324	BALL PLUG, 3/16, SS	1
23	12378	LOCKWASHER	1
24	12380	BODY, MACHINED	1
25	H20312M	WASHER, SS	1
26	H50086M	LOCK WASHER, 1/4" SS	3
27	12322	SCREW, 1/4-20 x 1-5/8" SS	1

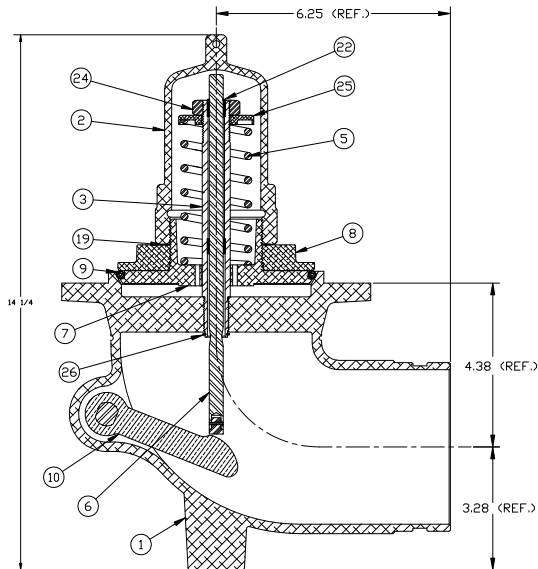


VA5112A 5" X 4" EMERGENCY VALVE

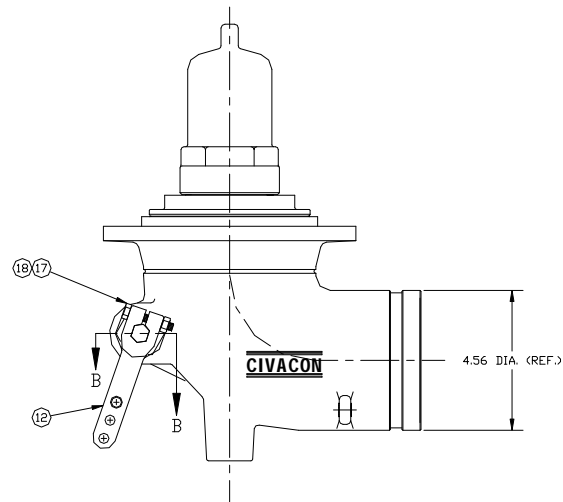
PARTS BREAK DOWN



SECTION B-B (FULL SCALE)



SECTION A-A (FULL SCALE)

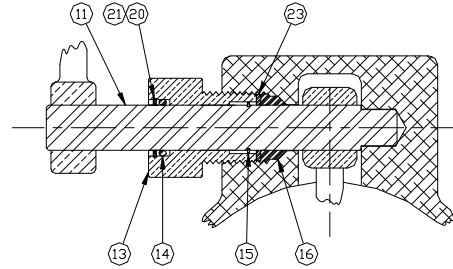
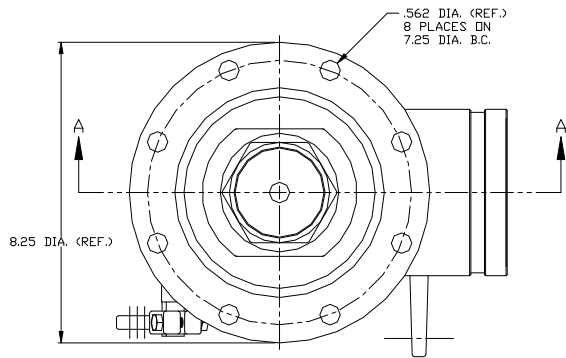


ITEM	PART NUMBER	DESCRIPTION	QTY.
1	7106	VALVE BODY	1
2	6140	CAP	1
3	2899	STEM ASSEMBLY	1
4 & 5	6910	SPRING	1
6	6275	PUSH ROD ASSY.	1
7	6138	DISC	1
8	6139	DISC LOCK NUT	1
9	7342	O-RING (TEF-0- SIL)	1
10	7898	LIFT LEVER (BRASS)	1
11	7909	LEVER SHAFT	1
12	7939	HANDLE	1
13	5212	GLAND	

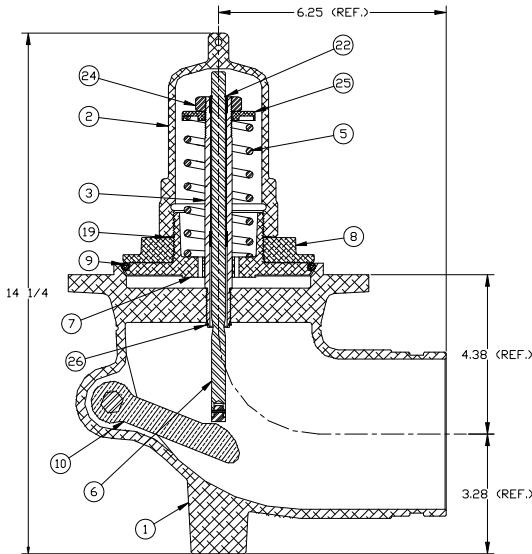
ITEM	PART NUMBER	DESCRIPTION	QTY.
14	7367	O-RING	1
15	2198	RETAINING RING	1
16	7117	PACKING (TEFLON)	2
17	5684	SCREW	1
18	5685	HEX NUT	1
19	6227	GASKET (TEFLON)	1
20	5214	BACKING RING (TEFLON)	1
21	5213	RETAINING RING (SS)	1
22	4094	RETAINING RING (3/8")	1
23	6024	WASHER	1
24	5687	JAM NUT	1
25	6228	WASHER	1
26	6099	RETAINING RING	1



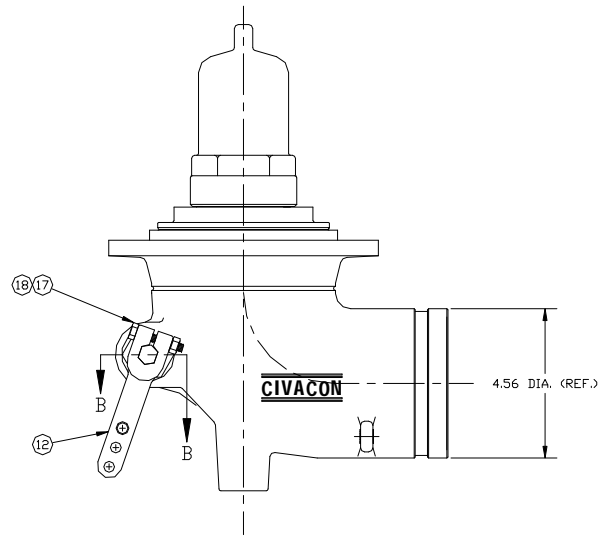
VA6112A 5" X 4" EMERGENCY VALVE



SECTION B-B (FULL SCALE)



SECTION A-A (FULL SCALE)



ITEM	PART NUMBER	DESCRIPTION	QTY.
1	5086	BODY	1
2	6140	CAP	1
3	2899	STEM ASSEMBLY	1
4	6910	SPRING	1
5	6275	PUSH ROD ASSY.	1
6	6138	DISC	1
7	6139	DISC LOCK NUT	1
8	7342	O-RING (TEF-0- SIL)	1
9	7898	LIFT LEVER (BRASS)	1
10	7909	LEVER SHAFT	1
11	7939	HANDLE	1
12	5212	GLAND	
13	2198	RETAINING RING	1

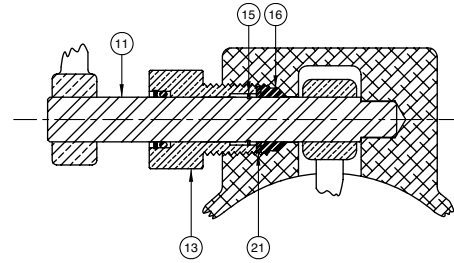
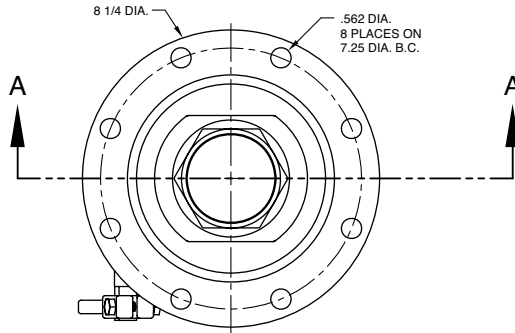
ITEM	PART NUMBER	DESCRIPTION	QTY.
14	7117	PACKING (TEFLON)	2
15	5684	SCREW	1
16	5685	HEX NUT	1
17	6227	GASKET (TEFLON)	1
18	4094	RETAINING RING (3/8")	1
19	6024	WASHER	1
20	5687	JAM NUT	1
21	6228	WASHER	1
22	6099	RETAINING RING	1
23	10154	TAG	
24	5214	BACKING RING (TEFLON)	
25	5213	RETAINING RING (SS)	
26	7367	O-RING (TEF-SIL)	



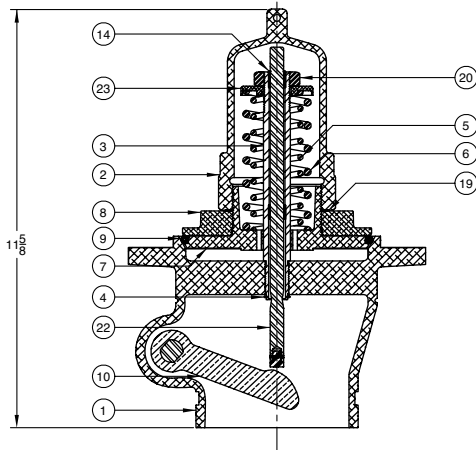
VA7112 5" X 4" Emergency Valve

Replacement Parts

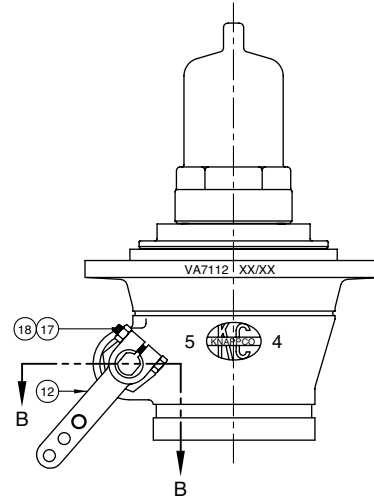
Rev. 0, January 2003



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

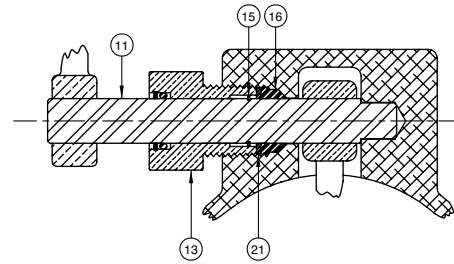
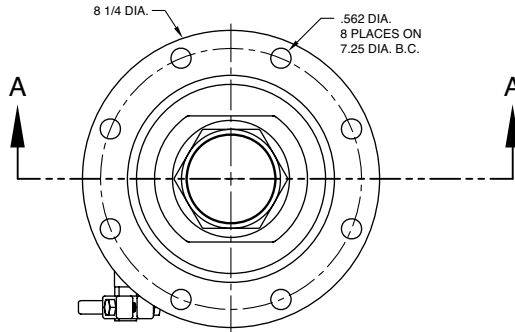
ITEM	PART NUMBER	DESCRIPTION	QTY.
13	6427	GLAND ASSY (BRASS/TEF-O-SIL)	1
14	4094	RETAINING RING	2
15	2198	RETAINING RING	1
16	7117	PACKING (TEFLON)	2
17	5684	SCREW	1
18	5685	HEX NUT	1
19	6227	GASKET (TEFLON)	1
20	5687	JAM NUT	1
21	6024	WASHER	1
22	6280	PUSH ROD ASSEMBLY	1
23	6228	WASHER	1



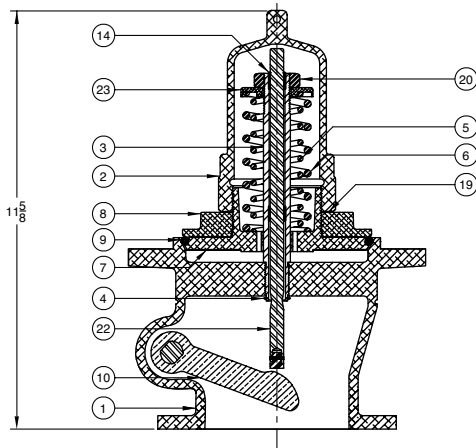
VA8112B 5" X 4" Emergency Valve

Replacement Parts

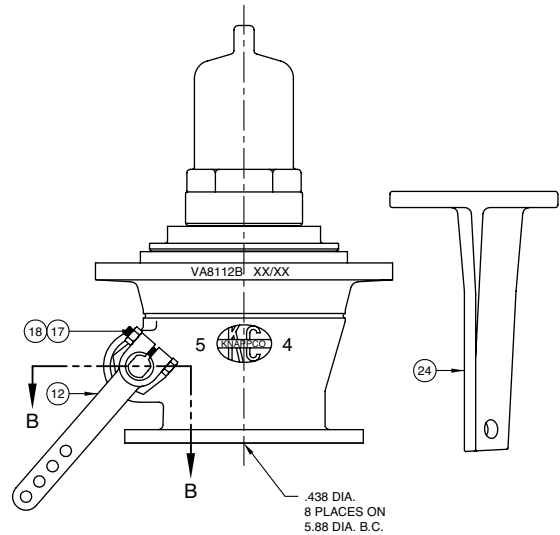
Rev. 0, January 2003



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

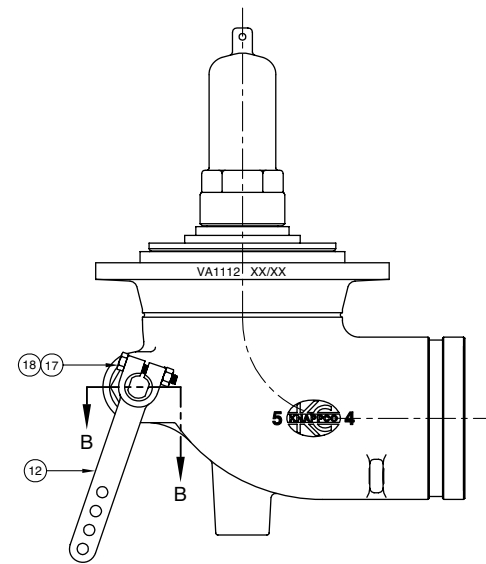
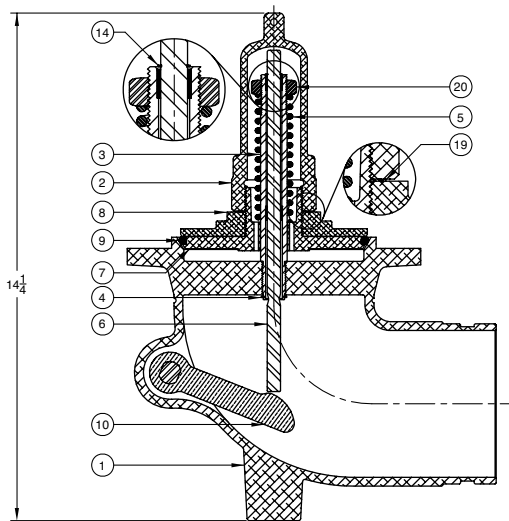
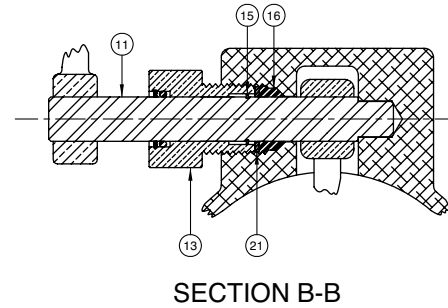
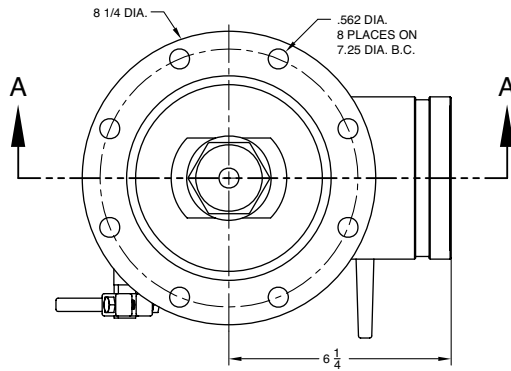
ITEM	PART NUMBER	DESCRIPTION	QTY.
13	6427	GLAND ASSY (BRASS/TEF-O-SIL)	1
14	4094	RETAINING RING	2
15	2198	RETAINING RING	1
16	7117	PACKING (TEFLON)	2
17	5684	SCREW	1
18	5685	HEX NUT	1
19	6227	GASKET (TEFLON)	1
20	5687	JAM NUT	1
21	6024	WASHER	1
22	6280	PUSH ROD ASSEMBLY	1
23	6228	WASHER	1
24	5730	CABLE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



VA1112 5" X 4" Emergency Valve

Replacement Parts

Rev. 0, January 2003



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

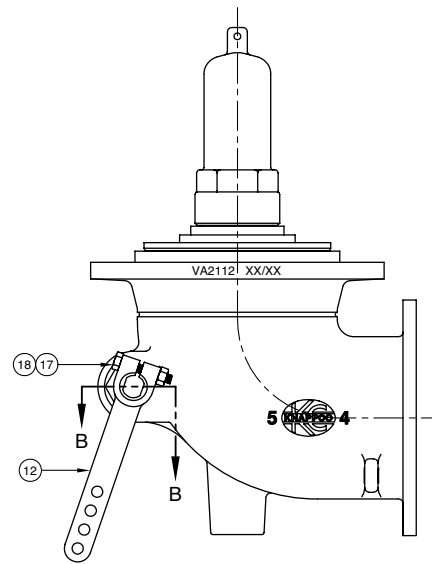
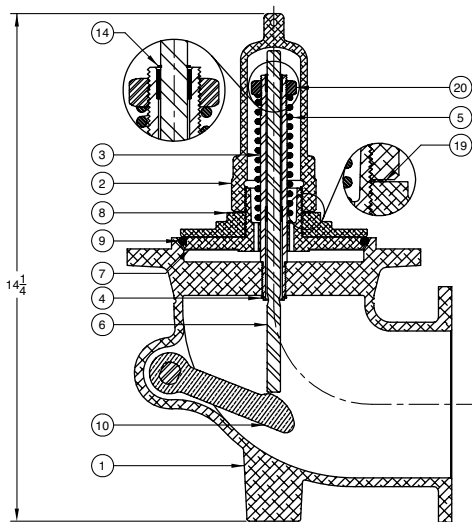
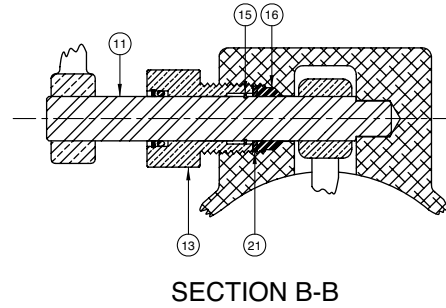
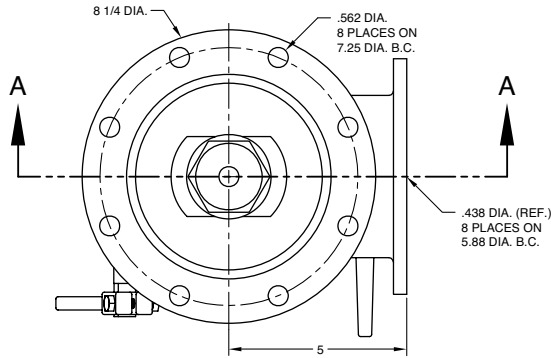
ITEM	PART NUMBER	DESCRIPTION	QTY.
12	6117	HANDLE	1
13	6427	GLAND ASSY (BRASS/TEF-O-SIL)	1
14	4094	RETAINING RING	2
15	2198	RETAINING RING	1
16	7117	PACKING (TEFLON)	2
17	5684	SCREW	1
18	5685	HEX NUT	1
19	8041	GASKET (TEFLON)	1
20	5687	JAM NUT	1
21	6024	WASHER	1



VA2112 5" X 4" Emergency Valve

Replacement Parts

Rev. 0, January 2003



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

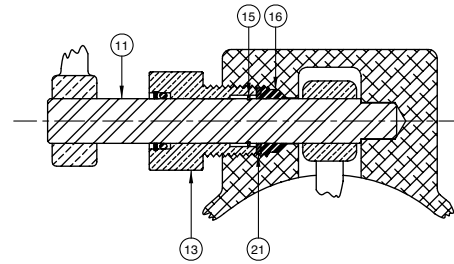
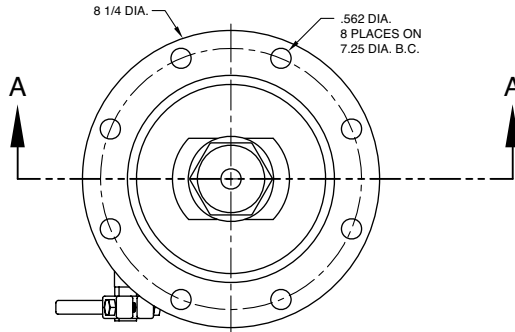
ITEM	PART NUMBER	DESCRIPTION	QTY.
12	6117	HANDLE	1
13	6427	GLAND ASSY (BRASS/TEF-O-SIL)	1
14	4094	RETAINING RING	2
15	2198	RETAINING RING	1
16	7117	PACKING (TEFLON)	2
17	5684	SCREW	1
18	5685	HEX NUT	1
19	8041	GASKET (TEFLON)	1
20	5687	JAM NUT	1
21	6024	WASHER	1



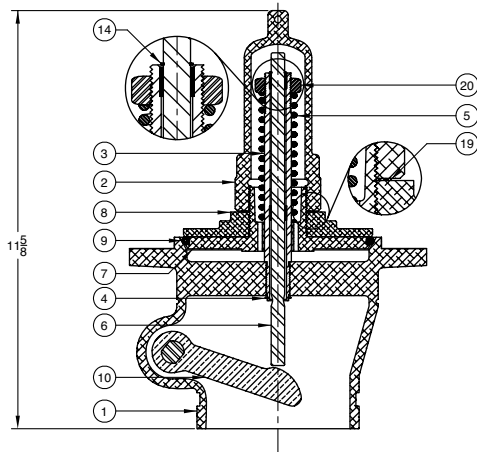
VA3112 5" X 4" Emergency Valve

Replacement Parts

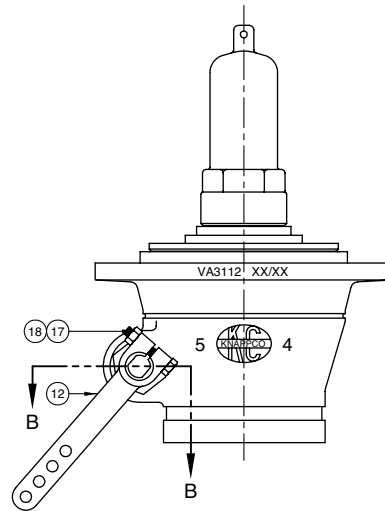
Rev. 0, January 2003



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

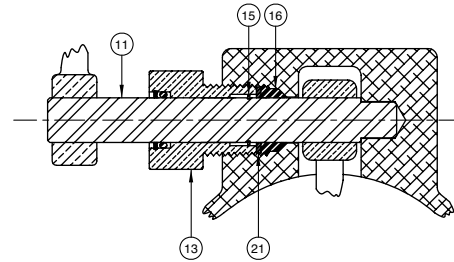
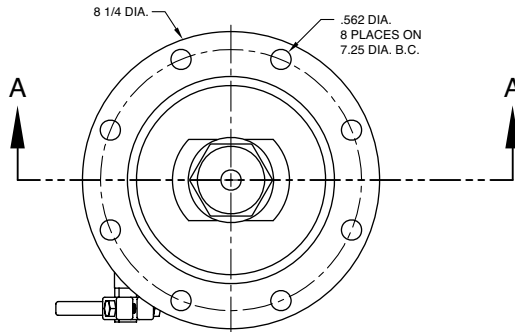
ITEM	PART NUMBER	DESCRIPTION	QTY.
12	6117	HANDLE	1
13	6427	GLAND ASSY (BRASS/TEF-O-SIL)	1
14	4094	RETAINING RING	2
15	2198	RETAINING RING	1
16	7117	PACKING (TEFLON)	2
17	5684	SCREW	1
18	5685	HEX NUT	1
19	8041	GASKET (TEFLON)	1
20	5687	JAM NUT	1
21	6024	WASHER	1



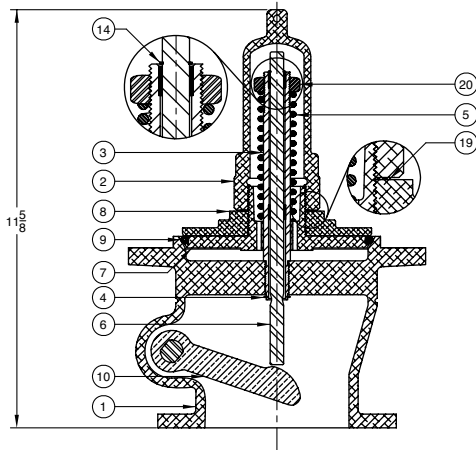
VA4112 5" X 4" Emergency Valve

Replacement Parts

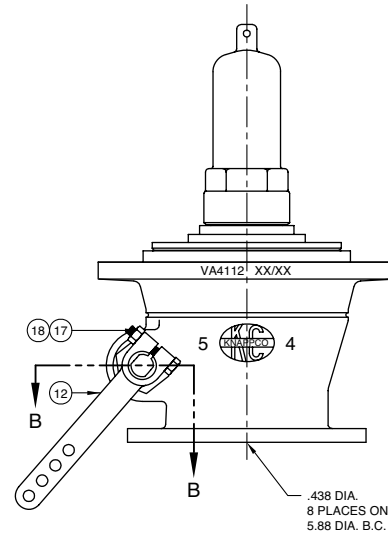
Rev. 0, January 2003



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