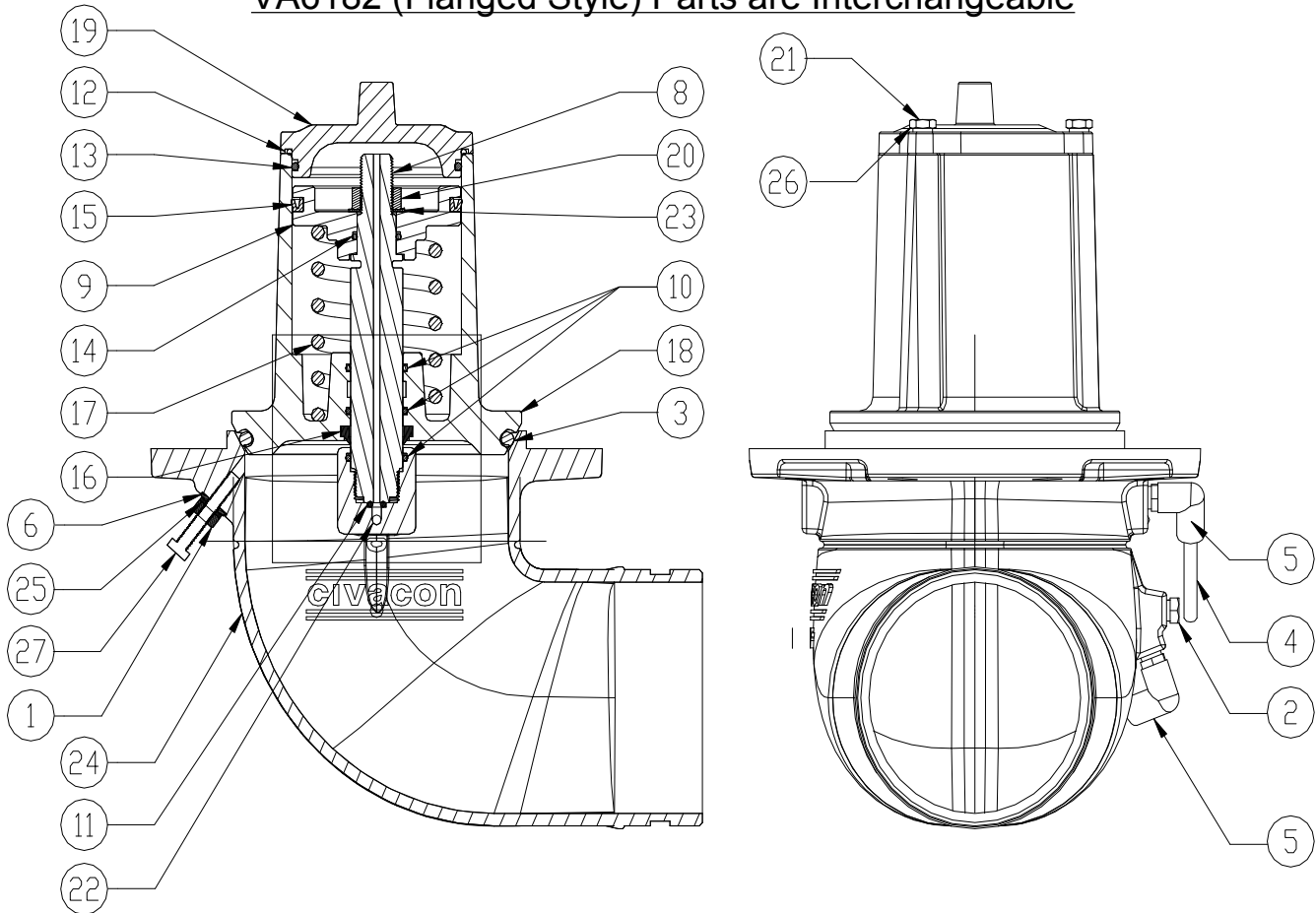


VA5182 5"x4" MaxAirII Emergency Valve

VA6182 (Flanged Style) Parts are Interchangeable

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	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



Tank Truck Service & Sales, Inc Warren, Michigan
800-482-2678 www.tanktruckservice.com

Rev. +, Nov. 2012

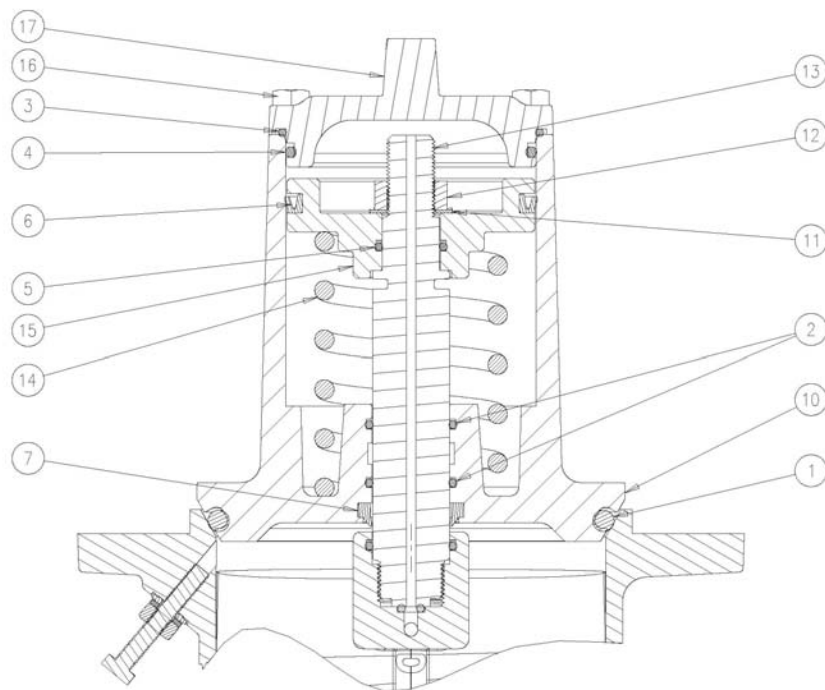


Figure 1 - Air Operated Internal Valve Section View

REPAIR KIT BILL OF MATERIAL

ITEM	PART NUMBER	DESCRIPTION	QTY
1	6959	O-Ring, Tef-O-Sil, supplied with 12577RK Kit	1
1	9456	O-Ring, Viton GF, supplied with 12576VRK Kit	1
2	12299	O-Ring, Viton GFLT	2
3	12470	O-Ring, Viton GF	1
4	12471	O-Ring, Buna	1
5	12303	O-Ring, Buna	1
6	12469	Seal, U-Cup, Polyurethane	1
7	12305	Seal, Wiper, FKM/Viton	1
8	12244	Silicone Compound Lubricant	1

REPAIR PROCEDURE

1. Review Figure 1 before disassembling the valve
2. Remove bolts/washers (16). This will allow the end cap (17) to be removed.
3. Remove nut and lock washer (11)(12). This will allow the piston (15), and poppet (10) to be removed from the shaft (13).
4. Remove wiper seal (7) and o-rings (1) & (2) from poppet (10) and replace with new o-rings from kit.
5. Generously apply lubricant (8) to wiper seal (7), o-rings (2), and shaft (13).
6. Reinstall the poppet (10) onto shaft (13) being careful not to cut o-rings.
7. Remove the u-cup seal (6) and o-ring (5) from the piston (15) being careful not to scratch the o-ring grooves. Replace with new seals from kit. Ensure u-cup seal orientation is correct when installing.
8. Generously apply lubricant (8) to o-ring (5), u-cup seal (6) and poppet bore (10). Re-install spring (14), piston (15), and washer/nut (11)(12). Tighten nut (12) until piston (15) is fully seated onto shaft (13).
9. Remove o-rings (3)(4) from end cap (17), being careful not to scratch o-ring grooves, and replace with new seals from kit.
10. Apply lubricant (8) to end cap o-rings (3)(4). Re-install end cap (17) and securely tighten bolts (16).
11. Test valve to verify proper operation. Activate the valve with an air supply (80 psi minimum). Actuate the valve several times to ensure proper operation. With valve open, submerge entire valve in clear water. Wait 20 seconds and check for air bubbles. Air bubbles would indicate a leak and further repair would be required.

ORDERING SPECIFICATIONS

Petro Emergency Valve Seal Repair Kit

12576VRK Seal Repair Kit (Viton)

12577RK Seal Repair Kit (Tef-O-Sil)