

S4 SPRING CHECK, FOOT, AERATING (VACUUM BREAKER) VALVE - PVC, PP, PVDF

SPECIFICATIONS:

- Sizes: 3/8" - 4" (DN 10 - DN 80)
- Body material: PVC-u - PP - PVDF
- O-rings and check seal: EPDM / FPM (Viton)
- Spring material: 304 stainless, Teflon
- HASTELLOY-C (optional)
- Foot valve screen material: PP

Operating pressure:

3/8" - 2 1/2" 232 psi (16bar)

3" 145 psi (10 bar)

4" 87 psi (6 bar)

Valve ends:

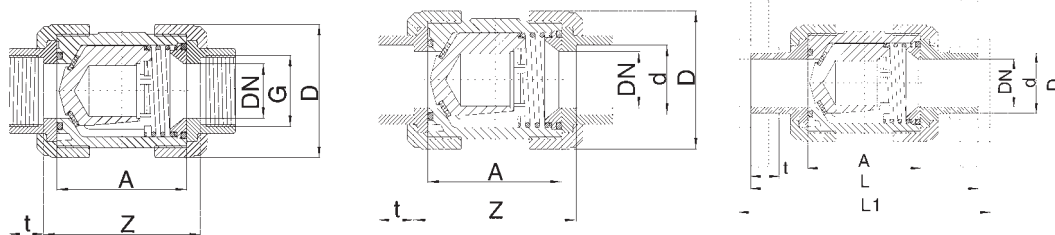
- Solvent cement socket (ASTM, DIN, JIS)
- Solvent cement spigot (DIN)
- Threaded socket (BSP, NPT)
- Flanged (ANSI, ASA, DIN, JIS)

FEATURES:

- corrosion resistant
- radial installation or removal
- low pressure loss
- suitable for high flow rates
- quick and exact closing and opening
- suitable for liquids with very low specific gravity

Sample Specification:

All Praher s4 series spring check valves, sizes 3/8" - 4" shall be of true union design. The internal spring loaded check design shall guarantee leak tight seating in extreme low pressure and vertical installations. Minimum spring load of 1 lb., spring shall be 304 stainless steel, teflon encapsulated stainless steel or Hastelloy-C. All O-rings and check seals shall be EPDM or VITON and shall meet NSF/ANSI 61 criteria. Union ends shall be interchangeable with s4 series ball valves. PVC shall be NSF/ANSI 61 listed and meet ASTM D1764-cell class 12454. PP shall be conforming to ASTM D4101, cell class PP02120B67272. PVDF shall be conforming to ASTM 3222 cell class type II.



d	16	20	25	32	40	50	63	75	90	110
DN	10	15	20	25	32	40	50	65	80	80
G	3/8"	1/2"	3/4"	1" 1	1/4"	1 1/2"	2"	2 1/2"	3"	4"
L	114,0	124,0	144,0	154,0	174,0	194,0	224,0	284,0	300,0	340,0
L1	120,0	130,0	150,0	160,0	180,0	200,0	230,0	290,0	310,0	350,0
A	62,0	62,0	70,0	74,0	84,0	95,0	109,0	137,0	163,0	163,0
Z	67,5	67,5	76,0	81,0	90,0	104,0	121,0	148,0	183,0	176,0
t	16,5	16,5	19,5	22,5	26,5	31,5	38,5	45,0	55,5	64,0
D	53,0	53,0	63,0	70,0	85,0	101,0	121,5	155,0	188,0	188,0
PN PVC	16	16	16	16	16	16	16	16	10	6
PN PP	16	16	16	16	16	16	16	16	10	6
PN PVDF	16	16	16	16	16	16	16	16	10	6

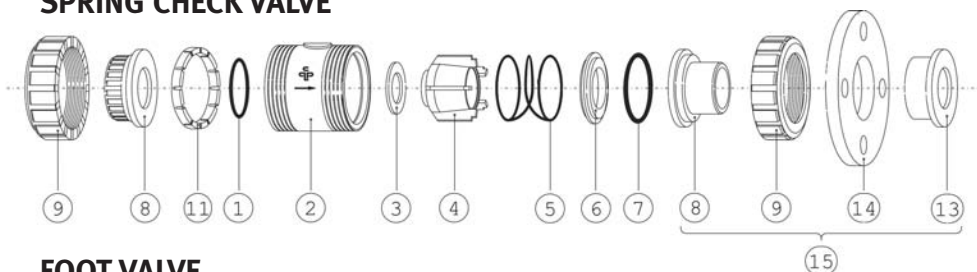
all dimensions in mm, all pressure ratings (PN) in BAR

S4 SPRING CHECK, FOOT, AERATING (VACUUM BREAKER) VALVE, PVC, PP, PVDF

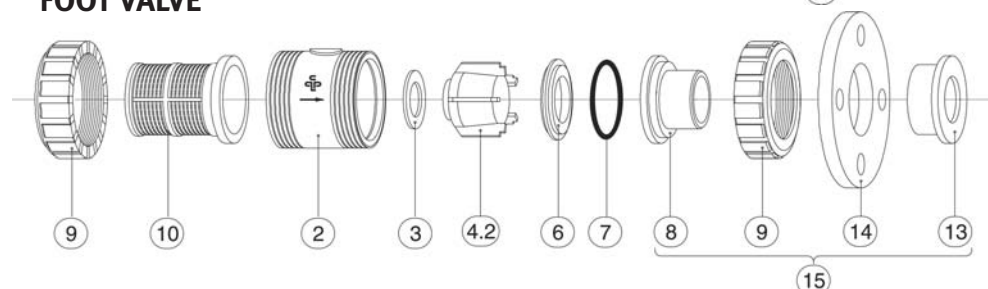
Parts:

- 01. O-Ring
- 02. Body
- 03. Gasket
- 04. Check valve poppet
- 04.1 Aerating valve poppet
- 04.2 Foot valve poppet (weighed)
- 05. Spring
- 06. Spring retainer ring
- 07. O-Ring
- 08. End Connector
- 09. Union nut
- 10. Screen PP - only foot valve
- 11. O-Ring support ring (PP valve only)
- 13. Flange adapter
- 14. Flange
- 15. Connection set

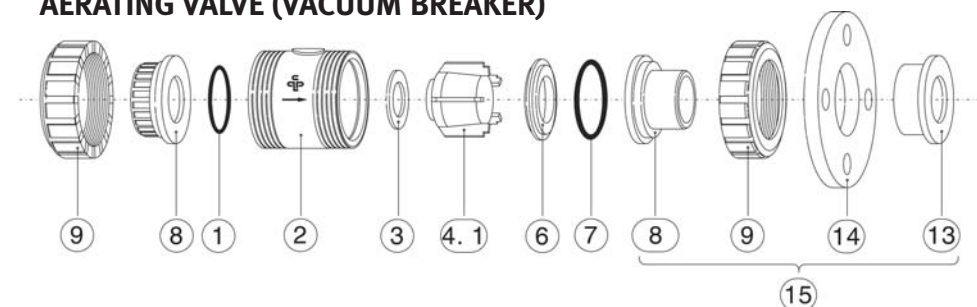
SPRING CHECK VALVE



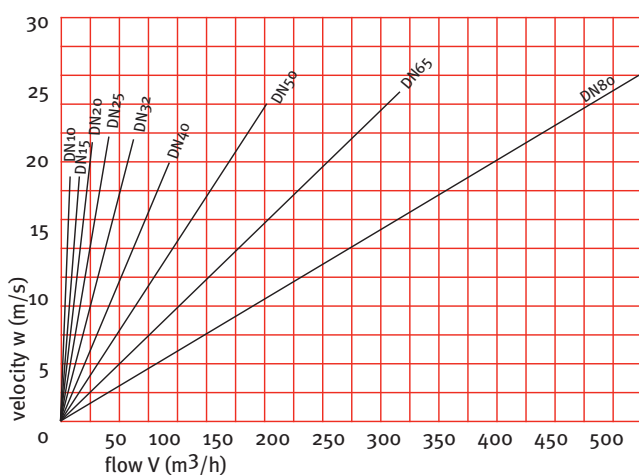
FOOT VALVE



AERATING VALVE (VACUUM BREAKER)



Air Flow Diagram (PVC Valves)



Head loss Diagram (water)

