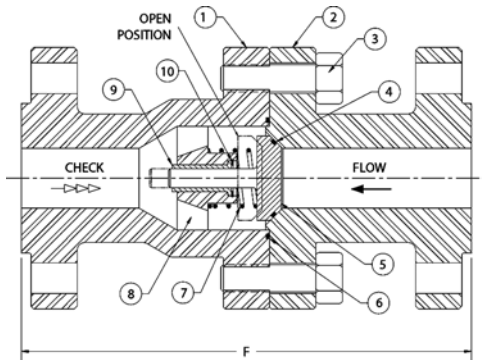




Crown Piston Check Valves

Fig. P-50 RF, P-51 RTJ

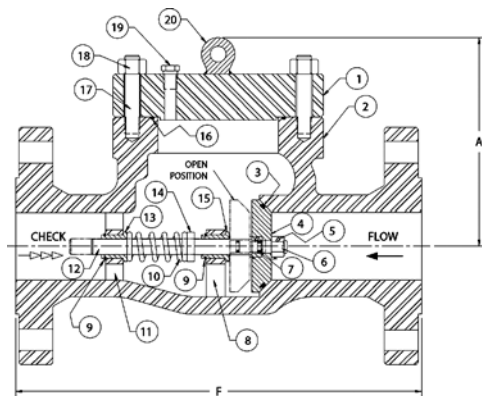
Figure "A" Piston Check Valves



No.	Part	Material
1	Body (body end)	carbon/low alloy steel ⁽¹⁾
2	Body (seat end)	carbon/low alloy steel ⁽¹⁾
3	Bolts	alloy steel
4	Piston seal	nitrile (buna) ⁽²⁾
5	Piston	carbon/low alloy steel ⁽¹⁾
6	Body seal	nitrile (buna) ⁽²⁾
7	Spring	alloy X750
8	Piston guide	carbon steel
9	Piston guide bushing	acetal (Delrin®) ⁽⁴⁾
10	Retaining ring	alloy steel

Information is for reference only.
For critical applications contact Stream-Flo Industries Ltd.

Figure "B" Piston Check Valves



No.	Part	Material
1	Body	carbon/low alloy steel ⁽¹⁾
2	cover	carbon/low alloy steel ⁽¹⁾
3	Piston seal	nitrile (buna) ⁽²⁾
4	Piston	carbon/low alloy steel ⁽¹⁾
5	Cotter pin	carbon steel
6	Piston rod nut	alloy steel
7	Piston rod seal	nitrile (buna) ⁽²⁾
8	Front rod guide support	carbon steel
9	Retaining ring	alloy steel
10	Spring	alloy X750
11	Rear rod guide support	carbon steel
12	Piston rod	stainless steel
13	Rod guide bushing	acetal (Delrin®) ⁽⁴⁾
14	Spring stop	carbon steel
15	Rod guide bushing	acetal (Delrin®) ⁽⁴⁾
16	Cover seal	nitrile (buna) ⁽²⁾
17	Cover studs	alloy steel
18	Cover nuts	alloy steel
19	Vent plug	alloy steel
20	Lift eye	carbon steel ⁽³⁾

Information is for reference only.
For critical applications contact Stream-Flo Industries Ltd.

Notes:

- (1) For low temperature applications, materials have charpy impact test.
- (2) For sour applications, all seals are fluorocarbon Viton®.
- (3) Valves 6" and up.
- (4) 180°F (82°C) maximum operating temperature.

Viton® and Delrin® are registered trademarks of Dupont Dow Elastomers



Fig. P-50 RF, P-51 RTJ

Design Features

- Valve design and construction in accordance with API 6D.
- Can be ordered for vertical up or down flow service.
- All wearing parts are replaceable.
- Helical compression spring is engineered to effect valve closure automatically at zero velocity (before reverse flow begins).

Schedule of Dimensions

Valve Size in. (mm.)	ANSI Class	Figure	RF in. (mm.)	RTJ in. (mm.)	Dimension A in. (mm.)
2 (50)	150	A	8.00 (203)	8.50 (216)	n/a
	300	A	10.50 (267)	11.12 (283)	
	600	A	11.50 (292)	11.62 (295)	
	900	A	14.50 (368)	14.62 (371)	
	1500	A	14.50 (368)	14.62 (371)	
	2500	A	17.50 (451)	17.88 (454)	
3 (80)	150	A	9.50 (241)	10.00 (254)	n/a
	300	A	12.50 (318)	13.12 (333)	
	600	A	14.00 (356)	14.12 (359)	
	900	A	15.00 (381)	15.12 (384)	
	1500	A	18.50 (470)	18.62 (473)	
	2500	A	22.75 (578)	23.00 (584)	
4 (100)	150	B	11.50 (292)	12.00 (305)	7.44 (189)
	300	B	14.00 (356)	14.62 (371)	7.44 (189)
	600	B	17.00 (432)	17.12 (435)	7.88 (200)
	900	B	18.00 (457)	18.12 (460)	8.38 (213)
	1500	A	21.50 (546)	21.62 (549)	n/a
	2500	A	26.50 (673)	26.88 (683)	n/a
6 (150)	150	B	14.00 (356)	14.50 (368)	10.62 (270)
	300	B	17.50 (445)	18.12 (460)	11.12 (282)
	600	B	22.00 (559)	22.12 (562)	11.53 (293)
	900	B	24.00 (610)	24.12 (613)	11.53 (293)
	1500	B	27.75 (705)	28.00 (711)	12.88 (327)
8 (200)	150	B	19.50 (495)	20.00 (508)	13.31 (338)
	300	B	21.00 (533)	21.62 (549)	13.38 (340)
	600	B	26.00 (660)	26.12 (664)	14.00 (356)
	900	B	29.00 (737)	29.12 (740)	14.25 (362)

Weight and dimensional information is for reference only and can be confirmed upon request at time of order.