

Forged Steel Straight / Y-pattern Check Valves

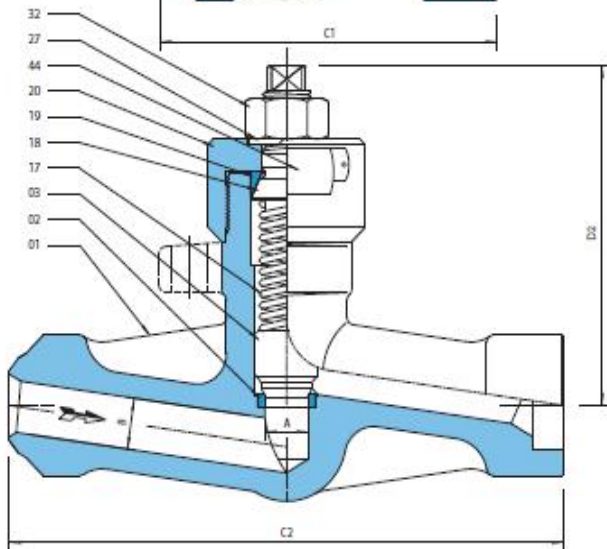
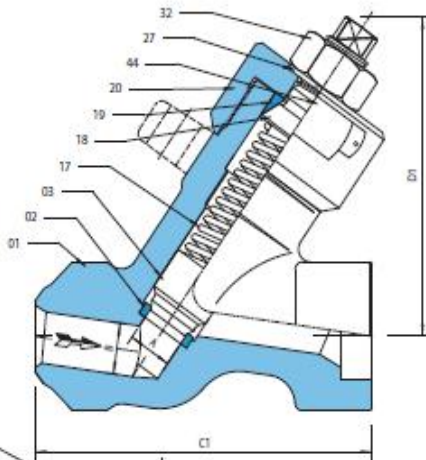


ASME Class 900, 2700 (4500)
API Class 6.000 PSI (10.000 PSI)
DIN Class PN 160, PN 640

Standards

Design: ASME B16.34, BS-EN 15761, DIN 3840, EN 12516
Butt Welding Ends: ASME B16.25, DIN-EN 9692-1, EN 12627
Socket Welding Ends: ASME B16.11, EN 12760
Other End Connections: API OR NPT FEMALE THREADS / CLAMP CONNECTORS / FLANGED RTJ OR RF
End-to-end Dimensions Manufacturer's Standard (Flanged Valves Acc. The Relevant Standard)
Pressure Testing: ASME B16.34, API 598, DIN 3230, EN 12266

Materials



- 01 Body Various (See Below)
- 02 Seat: Stellite
- 03 Disc: Stellite
- 17 Spring: AISI 302
- 18 Bonnet: ASTM A182 F316(L)
- 19 Gasket: ASTM A182 F316(L)
- 20 Cap: Carbon Steel
- 27 Spring Washer: Steel Zinc Plated
- 32 Nut: Steel Zinc Plated
- 44 Plate: Aluminium

Features

Design Construction: Pressure Seal Bonnet

Seat Ring: High Temperature Vacuum Brazed In Seat Ring With Thickness > 5 Mm (1/5")

Materials: Y-pattern SA105n, SA182-F22, SA182-F91, SA182 F316(l) (Others On Request)

Straight Body: SA105n (1.0460), SA182-F12 (13crmo4.5), SA182-F22 (10crmo9.10), SA182-F91 (1.4903) (others On Request)

Trim Spring Assisted Stellite Piston (Fig 04) Or Stainless Steel Ball (Fig 05)

Main Dimensions In MM (Inch)

NOM.SIZE	A	B	C1	D1	Cv	WEIGHT KG	C2	D2	Cv	WEIGHT KG
10 (3/8")	11 (0.43)	7 (0.28)	115 (4.53)	98 (3.86)	1.5	2.0 (4.4 LB)	210 (8.27)	108 (4.25)	1.3	2.5 (5.5 LB)
15 (1/2")	11 (0.43)	11 (0.43)	115 (4.53)	98 (3.86)	2.7	1.9 (4.2 LB)	210 (8.27)	108 (4.25)	2.5	2.4 (5.3 LB)
20 (3/4")	18 (0.71)	16 (0.63)	140 (5.51)	123 (4.84)	8.0	3.0 (6.6 LB)	230 (9.06)	135 (5.31)	6.2	4.5 (9.9 LB)
25 (1")	18 (0.71)	20 (0.79)	140 (5.51)	123 (4.84)	8.7	2.8 (6.2 LB)	230 (9.06)	135 (5.31)	6.8	4.3 (9.5 LB)
32 (1-1/4")	36 (1.42)	30 (1.18)	245 (9.65)	198 (7.80)	34.4	18.9(41.7L)	300(11.81)	213 (8.39)	23.6	21.0(46.3LB)
40 (1-1/2")	36 (1.42)	30 (1.18)	245 (9.65)	198 (7.80)	34.4	18.9(41.7LB)	300(11.81)	213 (8.39)	23.6	21.0(46.3LB)
50 (2")	36 (1.42)	40 (1.57)	245 (9.65)	198 (7.80)	44.2	17.5(38.6LB)	300(11.81)	213 (8.39)	31.0	19.5(43.0LB)
65 (2-1/2")	50 (1.97)	50 (1.97)	320 (12.60)	292 (11.50)	95.9	72.0(158.7LB)	-	-	-	-
80 (3")	60 (2.36)	60 (2.36)	320 (12.60)	292 (11.50)	142.4	69.0(152.1LB)	-	-	-	-
100 (4")	75 (2.95)	75 (2.95)	320 (12.60)	292 (11.50)	239.2	65.0(143.3LB)	-	-	-	-

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