

Forged Steel Y-pattern Throttle Valves, Bonnetless

ASME Class 900 / 1500 / 1700 / 2500 / 2700 (4500)

API Class 6.000 PSI (10.000 PSI)

Standards

Design: ASME B16.34 - BS-EN 15761 - EN 12516

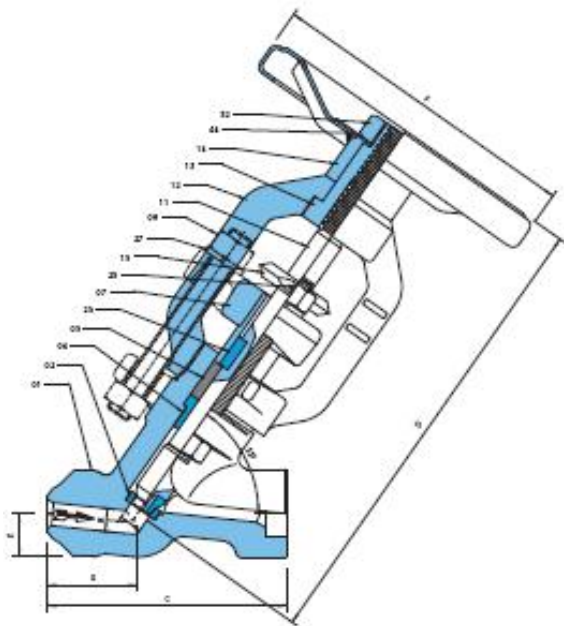
Butt Welding Ends: ASME B16.25 - DIN-EN 9692-1 - EN 12627

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
- 04 Loose Backseat: AISI 304
- 05 Stem Packing: Graphite
- 07 Gland / Flange: AISI 304/Carbon Steel
- 09 Gland Bolt / Nut: ASTM-A193-b7/
ASTM-A194-2h
- 11 Stem/Disc: 17Cr/Stellited (See Below)
- 12 Yoke: Carbon Steel
- 13 Yoke Sleeve: Aluminium-bronze
- 14 Handwheel: Carbon Steel
- 15 Position Indicator: 17 Cr
- 23 Parallel Key: Stainless Steel
- 25 Set Screw: Steel Zinc Plated
- 27 Spring Washer: Steel Zinc Plated
- 32 Thin Nut: Steel Zinc Plated

Features

Design: Construction Integral Bonnet (bonnetless) And Loose Backseat (Fixed Backseat Optional)
 Seat Ring: High Temperature Vacuum Brazed In Seat Ring With Thickness > 5 Mm (1/5")
 Options: Parabolic Disc And/or Angle Pattern With 75 Mm (<_ 1") / 125 Mm (<_ 2") Centre-to-end
 Operation Handwheel - Gearbox - Electric Or Pneumatic Actuator
 Accessories Limit Switches - Locking Device - Live Loaded Gland (Others On Request)
 Materials Body SA105N - SA182-F22 - SA182-F91 - SA182-F316(I) (Others On Request)
 Trim 17cr/Stellite - F316/Stellite (Others On Request)
 Stem Packing Graphite With Integral Or Stainless Steel Reinforced Anti Extrusion Rings

Main Dimensions In MM (Inch)

NOM.SIZE	A	B	C	D	E	F	G	Cv	WEIGHT KG
10 (3/8")	11 (0.43)	7 (0.28)	115 (4.53)	232 (9.13)	21 (0.83)	150 (5.91)	43.3 (1.70)	1.4	3.6 (7.9 LB)
15 (1/2")	11 (0.43)	11 (0.43)	115 (4.53)	232 (9.13)	21 (0.83)	150 (5.91)	43.3 (1.70)	2.6	3.5 (7.7 LB)
20 (3/4")	18 (0.71)	16 (0.63)	140 (5.51)	278 (10.94)	29 (1.14)	200 (7.87)	51.5 (2.03)	7.9	6.2 (13.7 LB)
25 (1")	18 (0.71)	20 (0.79)	140 (5.51)	278 (10.94)	29 (1.14)	200 (7.87)	51.5 (2.03)	9.0	6.0 (13.2 LB)
32	36 (1.42)	30 (1.18)	245 (9.65)	444 (17.48)	50 (1.97)	350 (13.78)	85.0 (3.35)	34.0	29.9 (65.9 LB)
(1-1/4")	36 (1.42)	30 (1.18)	245 (9.65)	444 (17.48)	50 (1.97)	350 (13.78)	85.0 (3.35)	34.0	29.9 (65.9 LB)
40	36 (1.42)	40 (1.57)	245 (9.65)	444 (17.48)	50 (1.97)	350 (13.78)	85.0 (3.35)	44.7	28.6 (63.1 LB)
(1-1/2")									
50 (2")									

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