AV-271A Cast Carbon Steel Piston Valve, Flanged Ends, Class-150

Features

Product Standard	ASME B16.34
Testing Standard	API-598
Pressure / Class Rating	Class-150
Body Material Cum Standard	Cast Carbon Steel (ASTM A216 Gr. WCB)
Product Description	Bolted Bonnet, Rising Stem, Handwheel Operated
Type of Seat	Renewable Seat
Type of Disc	Renewable Piston
Trim	Valve Rings: Atam Standard, Spacer & Piston: 13% Cr. (SS 410)
End Details	Flanged Ends as per ASME B16.5 Class-150 Raised Face (Drilled)
Test Pressure	Body: 30 Bar (Hyd.), Seat: 22 Bar (Hyd.), Seat: 7 Bar (Air)
Max. Working Temperature	425°C
Application Medium	Super Heated Steam, Condensate, Thermic Fluids, Hydro Carbons, Chemicals



Notes

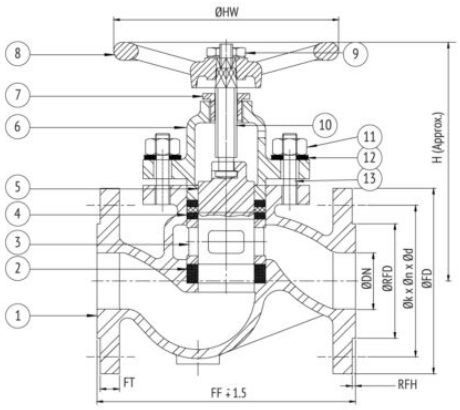
Test Certificate in Form III-C as per IBR is furnished with every supply.
Balanced piston arrangement is available in sizes 65mm & above, to address high torque.
Contact for other service applications.

Suitability

Steam, Oil

Material Combination

S.No	Description	No.	Material
1	Body	1	Cast Steel
2	Lower Valve Ring	1	Atam Standard
3	Spacer	1	Stainless Steel
4	Upper Valve Ring	1	Atam Standard
5	Piston*	1	Stainless Steel
6	Bonnet	1	Cast Steel
7	Stem Nut	1	Aluminium Bronze
8	Handwheel	1	Cast Iron / Mild Iron
9	Handwheel Nut	1	Carbon Steel
10	Stem	1	Stainless Steel
11	Nut	4	Carbon Steel
12	Belleville Washers	4	Carbon Steel
13	Stud & Nut	4	Alloy Steel & H.T. Steel



Dimensional Data

øDN	FF	H	øHW	øFD	FT	RFD	RFH	øK	n	ød
25	127	154	140	108	9.7	50.8	1.5	79.2	4	16
40	165	185	200	127	12.7	73	1.5	98.6	4	16
50	203	210	200	152	14.2	91.9	1.5	120.6	4	19
65	216	320	250	178	15.7	104.6	1.5	139.7	4	19
80	241	330	250	190	17.5	127	1.5	152.4	4	19
100	292	390	280	229	22.4	157.2	1.5	190.5	8	19

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