

## AV-271 Cast Carbon Steel Piston Valve, Flanged Ends, PN-40

### Features

Product Standard	BS EN-13709
Testing Standard	BS EN 12266-Part 1
Pressure / Class Rating	PN-40
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 BS EN 1092-1 PN-40 Raised Face (Drilled)
Test Pressure	Body: 60 Bar (Hyd.), Seat: 44 Bar (Hyd.)
Max. Working Temperature	400°C
Application Medium	Super Heated Steam, Condensate, Thermic Fluids, Hydro Carbons, Chemicals



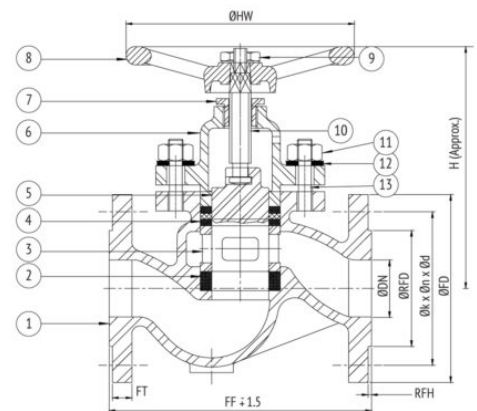
### Notes

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

### 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	160	154	140	115	16	68	2	85	4	14
40	200	185	200	150	15	88	3	110	4	18
50	230	210	200	165	17	102	3	125	4	18
65	290	320	250	185	19	122	3	145	8	18
80	310	330	250	200	21	138	3	160	8	18
100	350	390	280	235	21	162	3	190	8	22