

CAST STEEL

PARALLEL SLIDE BLOW OFF VALVE

PIN - POINT HIGH PERFORMANCE

DESCRIPTION :

'WJ' Cast Steel Parallel Slide Blow Off Valves rack and pinion operated are manufactured with flanged ends as per BS-10 Table 'J' for maximum Boiler operating pressure of 350 PSIG (24.6 Kg/Cm²g) at 800°F (425°C) Temp. These valves are tested at 700 PSIG. (49.2 Kg/Cm²g) hydraulic pressure.

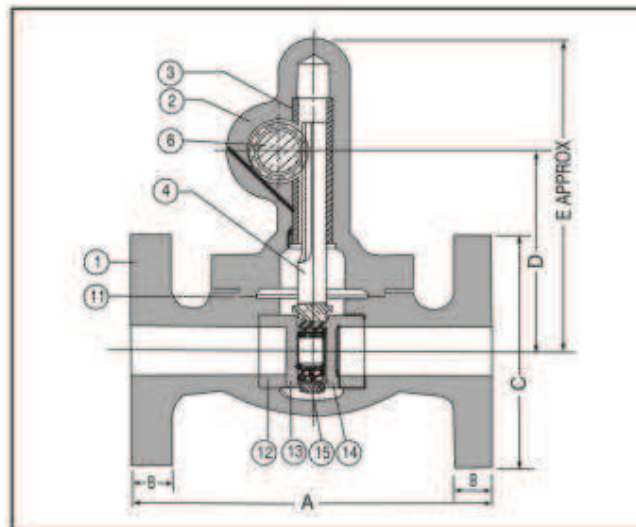
SALIENT FEATURES :

1. Parallel Slide Valve maintains fluid tightness and ease of operation without the aid of wedging action.
2. Discs are kept in close contact with body seat rings by means of a spring when the valve is not under pressure.
3. Slide valve action removes all foreign matter from the faces of seats.
4. Valve is operated by means of rack and pinion arrangement in such a manner that the valve is opened fully with half turn of the box key.
5. Gland forms a locking guard which prevents the removal of key unless the valve is closed.

TESTING AND CERTIFICATION :

All valves are tested at double the max. working pressure. Each valve is supplied with IBR Test Certificate in Form III-C issued by The Director of Boilers, Punjab.





DIMENSIONS

Nominal Size	A	B	C	D	E Approx.
25mm (1")	178	19.1	120.7	105	165
32mm (1¼")	241.5	19.1	133.4	125	195
40mm (1½")	267	22.2	139.7	130	215
50mm (2")	305	25.4	165.1	156	258
65mm (2½")	330	25.4	184.2	180	325

MATERIALS

PART No.	NAME OF PART	MATERIAL	SPECIFICATION
1.	Body	Cast Steel	IBR Grade
2.	Bonnet	Cast Steel	IBR Grade
3.	Bonnet Sleeve	Bronze	IBR 282 (a) IV Gr. B.
4.	Rack	Bronze	IBR 282 (a) IV Gr. B.
5.	Bush	Bronze	IBR 282 (a) IV Gr. B.
6.	Pinion	S.S.	AISI-410
7.	Stuffing Box	Bronze	IBR 282 (a) IV Gr. B.
8.	Gland	Bronze	IBR 282 (a) IV Gr. B.
9.	Packing	Graphited Asbestos	—
10.	Gasket for Stuffing Box	Steam Jointing	—
11.	Gasket for Body & Bonnet	Steam Jointing	—
12.	Body Seat Ring	Monal/S.S.	AISI-304/410
13.	Valve Seat Female	Monal/S.S.	AISI-304/410
14.	Valve Seat Male	Monal/S.S.	AISI-304/410
15.	Spring	Spring Steel	—
16.	Studs & Nuts for Body and Bonnet	M.S.	—
17.	Studs & Nuts for Stuffing Box	M.S.	—
18.	Studs & Nuts for Gland	M.S.	—