

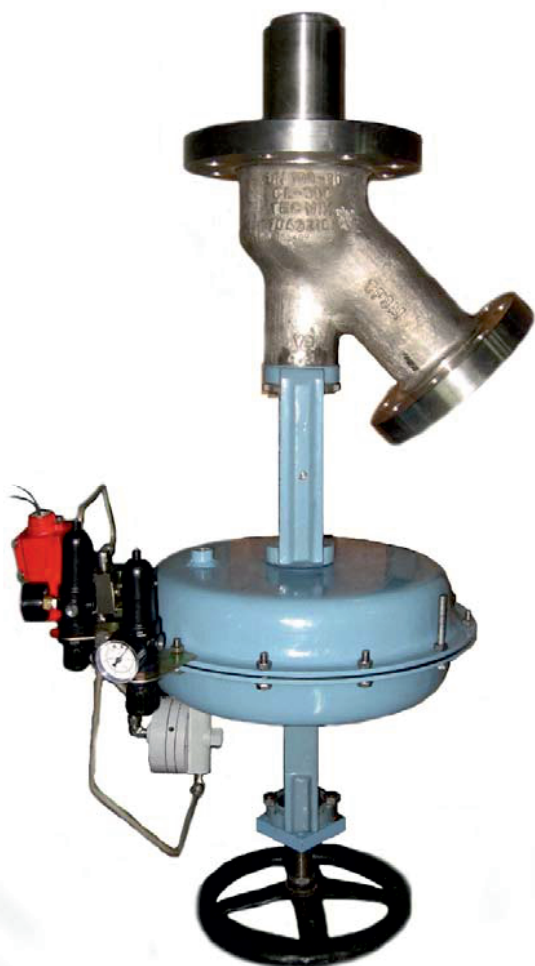
SERIES: UNICON 7000 & 7100

FLUSH BOTTOM VALVE

TECNİK's flush bottom valves are used for discharging of processed materials from the bottom most portion or at the outlet of vessels, tanks, containers, etc.

❖ FEATURES :

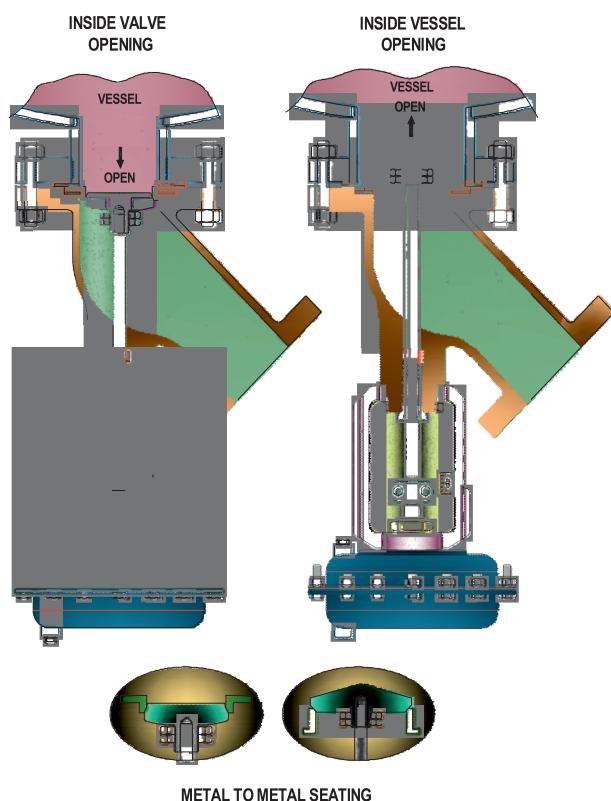
- Better flow capacity for line size.
- Suitable for drainage system.
- Tight closing for reliable shut-off even after change in pressure & temperature are sudden and extreme.
- Wide selection of actuator to meet most system requirements.
- Flexible design capabilities allows fitting any vessel configuration.
- Measurement temperature is available with built-in thermometer.
- Jacketed option available (full jacketed & semi-jacketed)
- Unique packing designs to suit various temperature & fluid needs.
- Excellent shut-off performance.



❖ TECHNICAL SPECIFICATIONS :

- Valve Size : NPS 1" to 8" (DN25 to DN200)
- Pressure Rating : ANSI 150# & 300# / Equivalent to BS10, DIN, IS, JIS etc.
- End Connections : Flanged (RF, TG)
- Material of Construction : Carbon Steel, Stainless Steel, Duplex, Super Duplex, Monel, Inconel, Hastelloy, Aluminum Bronze & Higher Alloys available on request.
- Temperature Range: -73 to 500°C.
- Flow Characteristics: On-Off.
- Manual Over-Ride: Top Mounted Version & Side Mounted Version.
- Seat Leakage Class: IV & V - Metal to Metal Seating & V - Soft Seating.
- Actuator Type: Pneumatic Operated Multi-Spring, Diaphragm Actuator (Standard Version) Electrical, Hydraulic, Piston Operated available on request.
- Accessories : Pneumatic Valve Positioner, Electro Pneumatic Valve Positioner, Air Filter Regulator, Limit Switches, Proximity Switches, Solenoid Valve, Volume Booster, etc.,

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F) JACKETED BODY OPTION

G) ACCESSORIES

All standard accessories for control & on-off operation

- i) Solenoid Valve
- ii) Limit Switches
- iii) Air Filter Regulator

A) FLUSH BOTTOM VALVE PLUG OPTIONS:

- 1) Flush with body flange
 - a) Plug opening inside the tank.
 - b) Plug opening inside the valve.
- 2) Extended Plug (for tanks with insulation / Jackets)
 - c) Plug opening inside the tank.
 - d) Plug opening inside the valve.

B) Option of Hard Seat Soft Seat Stellited Seating Face

C) Inlet flange can be customised to suite the tank / dish radius / curvature.

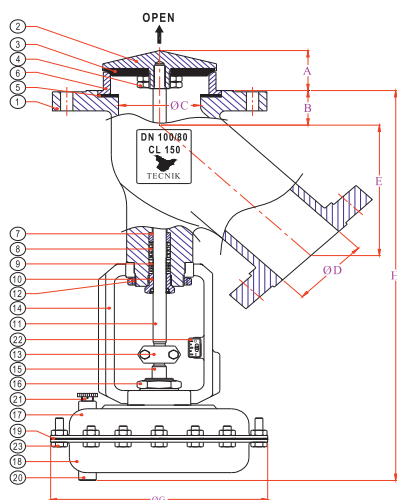
D) Integrated RTD / temperature monitoring mixing the plug.

E) ACTUATION OPTIONS :

- 1) Diaphragm Actuated
- 2) Pneumatic Cylinder Actuated
- 3) Electrical Actuated
- 4) Hand Operated
- 5) Manual Override Option

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• Part List & Dimensions



Part No.	Part Name	Material of Construction
1.	Valve body	WCC / CF8M
2.	Plug	SS 316
3.	Soft seat	PTFE
4.	Lock nut	A351 Gr. CF8
5.	Gasket - Body to Seat ring	Graphite with SS 316
6.	Seat ring	SS 316
7.	Guide bush	HRN 430F
8.	Spring	SS 302
9.	V-ring	PTFE
10.	Gland nut	A351 Gr. CF8
11.	Valve stem	SS 316
12.	Yoke locking ring	A351 Gr. CF8
13.	Coupling	A351 Gr. CF8
14.	Yoke	SG. Iron
15.	Actuator stem	SS 316
16.	Actuator lock nut	A351 Gr. CF8
17.	Lower casing	Pressed Steel
18.	Upper casing	Pressed Steel
19.	Diaphragm	Nitrile with Fabric Inserts
20.	Air connection	MS.
21.	Vent cap	PVC
22.	Travel plate	SS 304
23.	Actuator Bolts & Nuts	SS 304

VALVE SIZE		DIMENSIONS ARE IN 'mm'							ACTUATOR MODEL NO.	VALVE TRAVEL
INCH	MM	H1	H2	H3	H	ØC	ØD	ØG		
1.1/2 x 1	DN 40 x 25	38	40	135	184	30	25	240	T - 36	18
2 x 1.1/2	DN 50 x 40	38	40	145	184	45	40	240	T - 36	18
2.1/2 x 2	DN 65 x 50	55	45	153	222	55	50	240	T - 36	28
3 x 2.1/2	DN 80 x 65	55	45	170	254	55	65	300	T - 60	28
4 x 3	DN 100 x 80	59	55	182	222	85	80	300	T - 60	38
6 x 4	DN 150 x 100	82	60	195	254	110	100	300	T - 60	38
8 x 6	DN 200 x 150	82	70	220	222	160	150	360	T - 150	57



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