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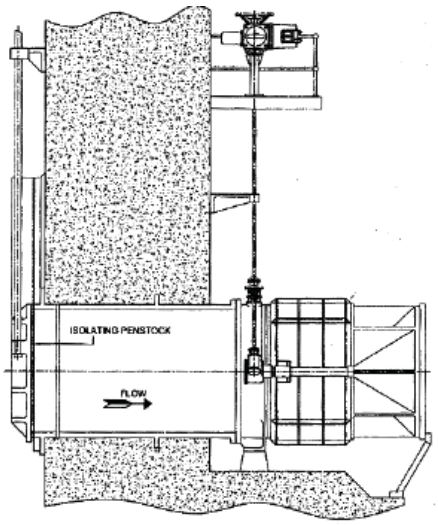
water

Fixed Cone Free Discharged Valve *Series 3300*

Datasheet No. 12



This type of valve is typically used for Free Discharging Control at a Terminal Point of a pipe or culvert at the base of a Dam or Reservoir stilling basin. The valve was developed to offer the user an economic solution for this type of application.

This type of valve has other names commonly used to describe it:-

- *Howell – Bunger Valve*
- *Hollow Cone Valve*
- *Sleeve Regulation Valve*

Features

- Ensures kinetic energy in the issuing jet is dissipated before it strikes any boundary surface
- Wide applications
- Limited only by working pressure and extent of stilling basin
- Actuating gear located outside of valve enabling ease of inspection and maintenance
- Drop tight closure
- Balanced during operation (low operating power requirements)

Options

- Actuating gear either a lever system or a twin screw arrangement, manually or electrically operated
- Hydraulic method of operation available
- Pedestal mount operated
- Hood design and manufacture
- Design of stilling basin
- Soft / metal seats
- Fabricated / cast

Technical

- High discharge capacity (K = 1.7)
- High velocity discharge (up to 25 m/sec)
- Pressures typically up to 10 bar
- Size Range DN200 – DN3000
- Materials – Steel & Stainless Steel

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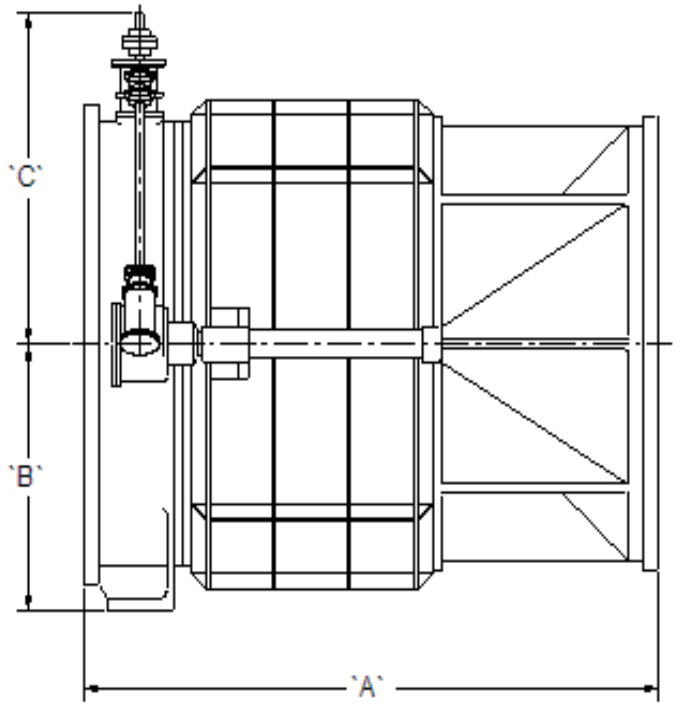
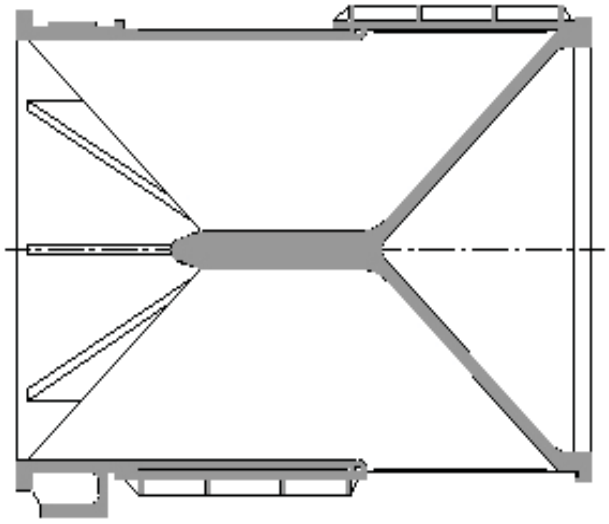


SLEEVE IN SHUT POSITION



SLEEVE IN OPEN POSITION

Norminal Bore (DN)	A	B (mm)	C	Approx. Weight (Kg)
200	613	203	460	500
300	762	273	500	800
450	1054	381	600	1200
600	1353	457	680	1500
800	1620	533	780	2000
900	1772	610	830	2700
1000	2025	720	880	3800
1200	2134	838	1000	4500
1400	2315	916	1100	6000
1500	2382	994	1150	7000
1600	2449	1089	1200	8000
1800	2630	1245	1320	9500

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