

*When Low discharge noise is a requirement and / or when space is at a premium the Blackhall Submerged Discharge valve is an ideal choice. The valve is design so that the discharge occurs under water into a Stilling Well reducing both noise and space required (i.e. No stilling basin). Details of the sizing for the Valve and Stilling Wells are available from the factory.*

*This type of valve can also be known as: – Vertical Sleeve Type Valve*

## Features

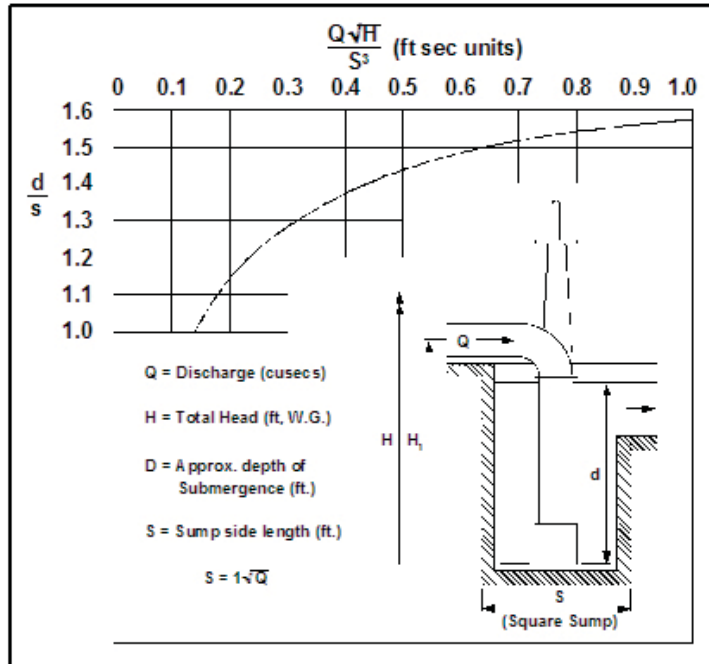
- High Flow Discharge coefficient
- Quiet operation
- Compact Installation, no large discharge spillway required
- CFDA contoured cone on exit for optimum flow characteristics
- Balanced During Operation (Low Operating Power Requirements)
- Capable of High Pressure Discharge
- Highly Stable Flow Control
- Heavy Duty Design and Construction
- Low maintenance and long life
- Elimination of cavitation and vibration

## Options

- Various discharge port characteristics options available
- Ported trims within valve throat
- Emergency overrides
- Manually / Electrically / Float Actuated
- Remote / Direct operation

## Technical

- High Discharge Capacity ( $K = 1.62$ )
- Medium Velocity Discharge Capability (up to 6 m/sec)
- Pressures typically up to 20bar
- Size Range – DN200 – DN2000 (normally larger inlet than outlet)
- Materials - Cast Iron / Cast Steel / Stainless Steel
- Cast or Fabricated



Inlet / Outlet (mm)	Min Height, $H_1$ (M)
200/200	1,23
300/300	1,33
400/400	1,66
450/400	2,25
600/600	2,40
800/800	3,00
800/600	3,79
1000/1000	3,37
1000/800	4,44
1200/1200	4,29
1200/1000	5,06
1600/1200	6,99