

Fire Pumps - Vertical Turbine



DESCRIPTION

BRISTOL Vertical Turbine centrifugal pump is developed and fabricated by our company, according to NFPA20. This pump is used for any underground water source where the water level is below the pump suction, its Impeller remains submerged with the water tank at all times.

Where the fire protection water source is located below ground or deck level, the best technical pumping solution is the vertical suspended multi stage turbine pump. With this type of unit the impellers are fully immersed in the water maintaining prime at all times. The pumps are driven by vertical electric motors or by diesel engines through a right angle gearbox.

FEATURES

- Performance and hydrostatic tests
- In compliance with NFPA 20, UL 448 requirements
- Materials of construction: cast iron, bronze fitted
- Sealing arrangement: packing with flushing
- Modular construction: assures complete flexibility in selecting a pump
- Pre-engineered standard components
- Space-saver design: requires minimum floor space
- Static suction lift: permissible by NFPA 20 where water source is located below ground
- Open line shaft: water-lubricated bowl and line-shaft bearings
- Stuffing Box (Gland) - (Bronze) - to press the packing gland into the seal area through bolts
- Bolted bowl: bowls and suction bell are bolted together, allowing easier disassembly
- Dynamic balanced impellers: secured to the shaft with steel locking collets
- Discharge gauge connection

PERFORMANCE RANGE

- Capacity : From 500 GPM up to 5000 GPM
- Head : From 50 MTR up to 200 MTR

MATERIALS OF CONSTRUCTION

- Shaft : Stainless Steel
- Casing : Cast Iron
- Impeller : Bronze

More Details

CROSS SECTIONAL

VTP Selection Chart

No.	Model	Capacity (m3 /h) (GPM)	UL Listed Pressure (kpa (PSI))	Rated Speed (RPM)
1	BVP 350	45 (200)	1883 (266)	1470
2	BVP 350	45 (200)	868-1860 (126-270)	1770
3	BVP 350	68 (300)	1826 (265)	1470
4	BVP 350	68 (300)	861-1853 (125-269)	1770
5	BVP 350	91 (400)	1791 (260)	1470
6	BVP 350	91 (400)	854-1846 (124-268)	1770
7	BVP 350	115 (500)	1736 (252)	1470
8	BVP 350	115 (500)	840-1812 (122-263)	1770
9	BVP 400	115 (500)	551-1936 (80-281)	1470
10	BVP 400	115 (500)	751-2129 (109-309)	1770
11	BVP 350	170 (750)	1598 (232)	1470
12	BVP 350	170 (750)	799-1695 (116-246)	1770
13	BVP 400	170 (750)	537-1867 (78-271)	1470
14	BVP 400	171 (750)	730-2060 (106-299)	1770
15	BVP 350	227 (1000)	1440 (209)	1470
16	BVP 350	227 (1000)	751-1578 (109-229)	1770
17	BVP 400	227 (1000)	510-1764 (74-256)	1470
18	BVP 400	227 (1000)	710-2005 (103-291)	1770
19	BVP 400	285 (1250)	482-1654 (70-240)	1470
20	BVP 400	285 (1250)	668-1564 (97-227)	1770
21	BVP 400	340 (1500)	455-1550 (66-225)	1470
22	BVP 400	340 (1500)	627-1798 (91-261)	1770

