Barmesa® Pumps

SUBMERSIBLE STAINLESS VORTEX SEWAGE PUMP

Modelo: **2BSV-DS**
2 - 3 HP @ 3450 RPM
Solids handling: 1.75" (45 mm)

Stainless steel 316 construction.

DISCHARGE
2" (5.08 cm) NPT flange. Includes flanged elbow at discharge.

LIQUID TEMPERATURE
104 °F (40 °C)

PUMP CASING
316 series stainless steel

MOTOR COVER
316 series stainless steel

SEAL PLATE
316 series stainless steel

IMPELLER
Design: 8 vane, semi-open *Vortex*.
Material: 316 series stainless steel

SHAFT
316 series stainless steel

HANDLE
316 series stainless steel

MAX. SUBMERGENCE
32.8 ft (10 meters)

HARDWARE
316 series stainless steel

GASKETS
Viton®

SEAL
Design: double, mechanical, oil filled chamber.
Material: carbon-ceramic upper seal, silicon carbide lower seal, Viton® elastomers, stainless steel spring.

MOTOR
For continuous dry running, operates at 230/460 V, 1 & 3-phase, 3450 RPM, 60 Hz. Class B, IP68 protection, with capacitor integrated in 1 phase motor.

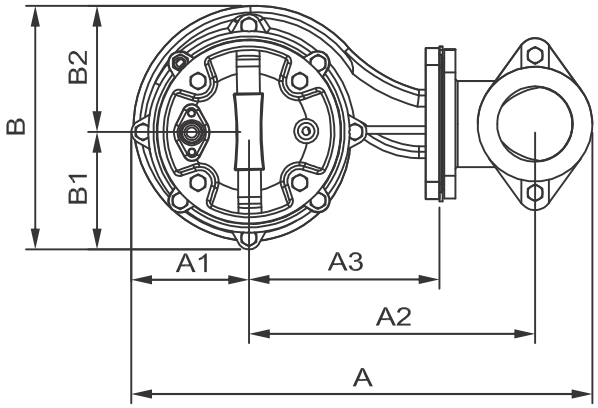
BEARINGS
Ball type, lubricated and sealed for 60,000 hours operation. Designed for radial and axial loads.

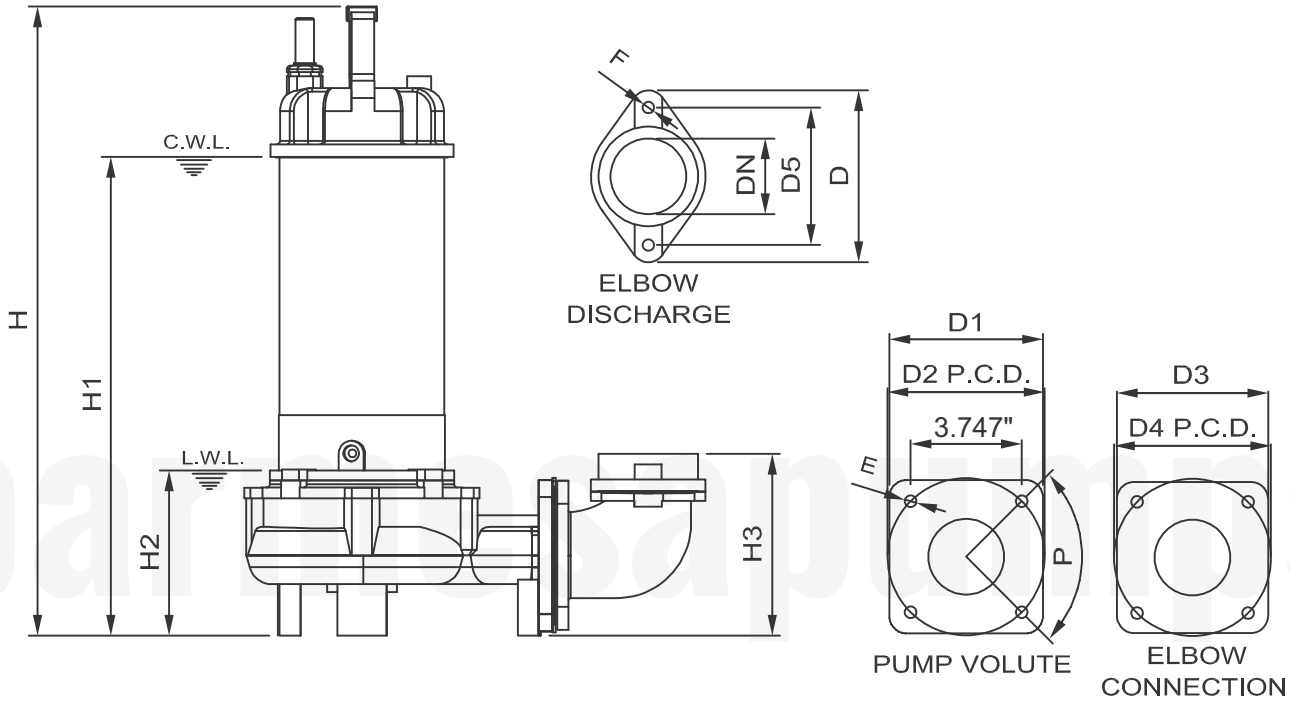
CORD ENTRY
Includes 33 feet of special neoprene cable. The cable is sealed preventing from moisture to leak into the motor housing.

OPTIONAL EQUIPMENT
316 stainless steel slide rail coupling

TECHNICAL DATA SHEET

SPECIFICATIONS





MODEL	HP	V	PH	MAX. AMPS	DISCHARGE DIAM.	DISCHARGE MAX. (m)	MAX. FLOW (GPM)	CORD (ft)	SPH SLD HNDLG
2BSV202DS	2	230	1	11	2"	20	155.8	33	1.75"
2BSV203DS	2	230	3	7	2"	20	155.8	33	1.75"
2BSV204DS	2	460	3	3.5	2"	20	155.8	33	1.75"
2BSV303DS	3	230	3	8	2"	23	177	33	1.75"
2BSV304DS	3	460	3	4.5	2"	23	177	33	1.75"

- Built-in capacitor for single phase motor.
- Three-phase pump, VFD compatible. Reliable operation within 30 ~ 60 Hz.

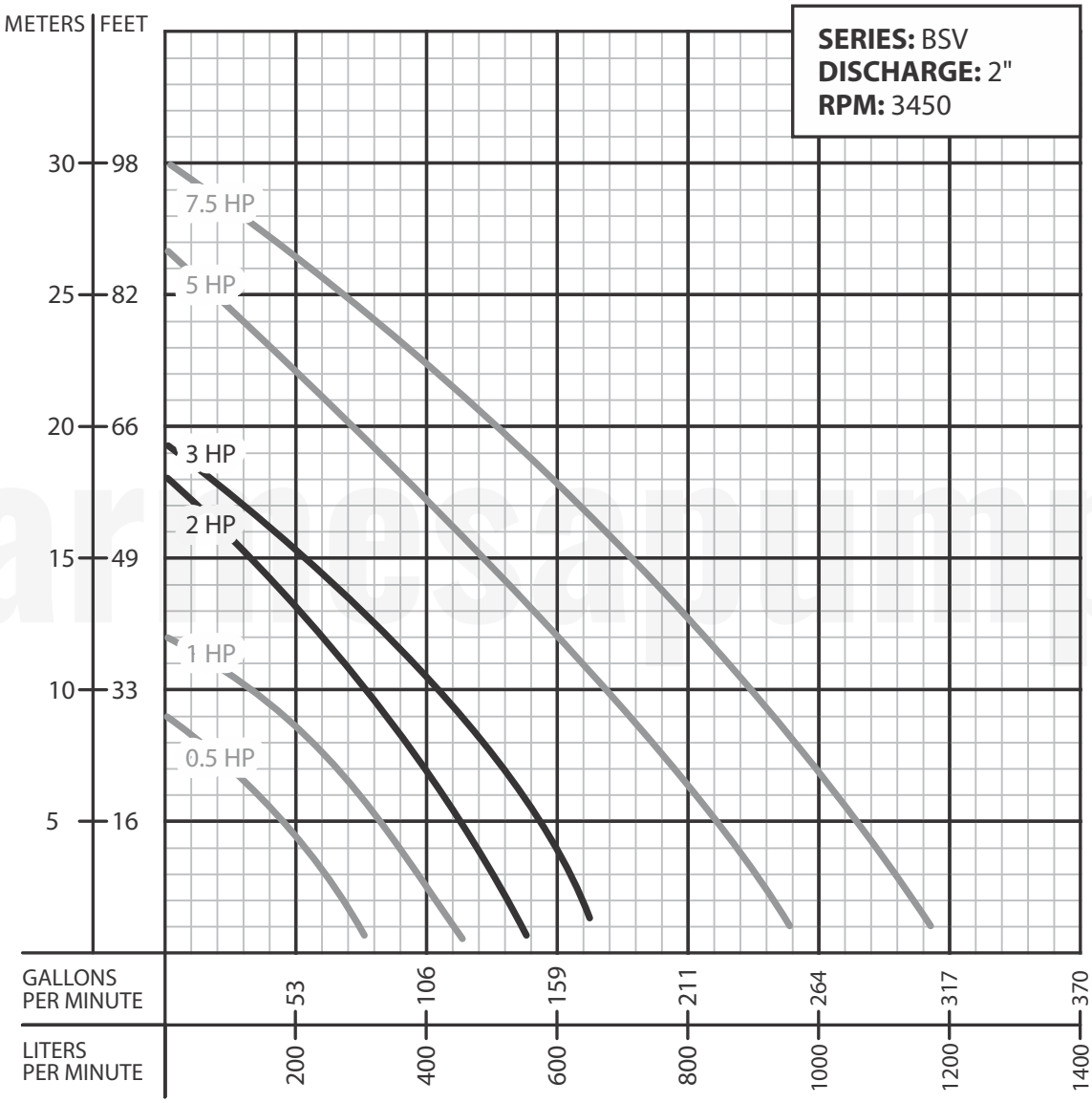
MODEL	A	A1	A2	A3	B	B1	B2	D	D1	D2	D3	D4	D5	DN	E	F	P	H	H1	H2	H3	WT
2BSV-202DS	15.4	4.1	9.3	6.1	8.2	4.1	4.1	5.9	5.2	5.3	5.1	5.3	4.7	2	0.4	0.4	90°	20.9	15.8	5.9	6	65.5
2BSV-203DS																						
2BSV-204DS																						
2BSV-303DS	15.4	4.1	9.3	6.1	8.2	4.1	4.1	5.9	5.2	5.3	5.1	5.3	4.7	2	0.4	0.4	90°	21.7	16.5	5.9	6	69
2BSV-304DS																						

- Dimensions in inches.

* WT = Weight in pounds, without cable.

IMPORTANT!

1. Do not use the pump to handle explosive or corrosive liquids.
2. This pump is not approved for use in swimming pools, recreational facilities, or any application where human contact with the pump is common.
3. Do not operate the pump dry for extended periods; this may damage the motor or the seal.



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IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.