

V Series

Solids Handling Pumps



Vortex impeller technology for superior handling of solids and fibrous wastewater.

Designed for challenging wastewater applications, **BJM Pumps® V Series** submersible pumps feature vortex impeller technology to efficiently handle sewage, suspended solids, and fibrous materials. Built for municipal, industrial, commercial, & agricultural applications, they deliver reliable performance with minimal maintenance.

V2 / V4 MODELS

Reliable Performance for Small & Medium Wastewater Systems

Designed for commercial, residential, industrial, and municipal wastewater, the V Series delivers dependable solids handling for everyday wastewater collection and transfer.

Ideal Applications

- Universities
- Hospitals
- Food processing plants

V4L MODELS

High-Capacity Performance for Large Wastewater Systems

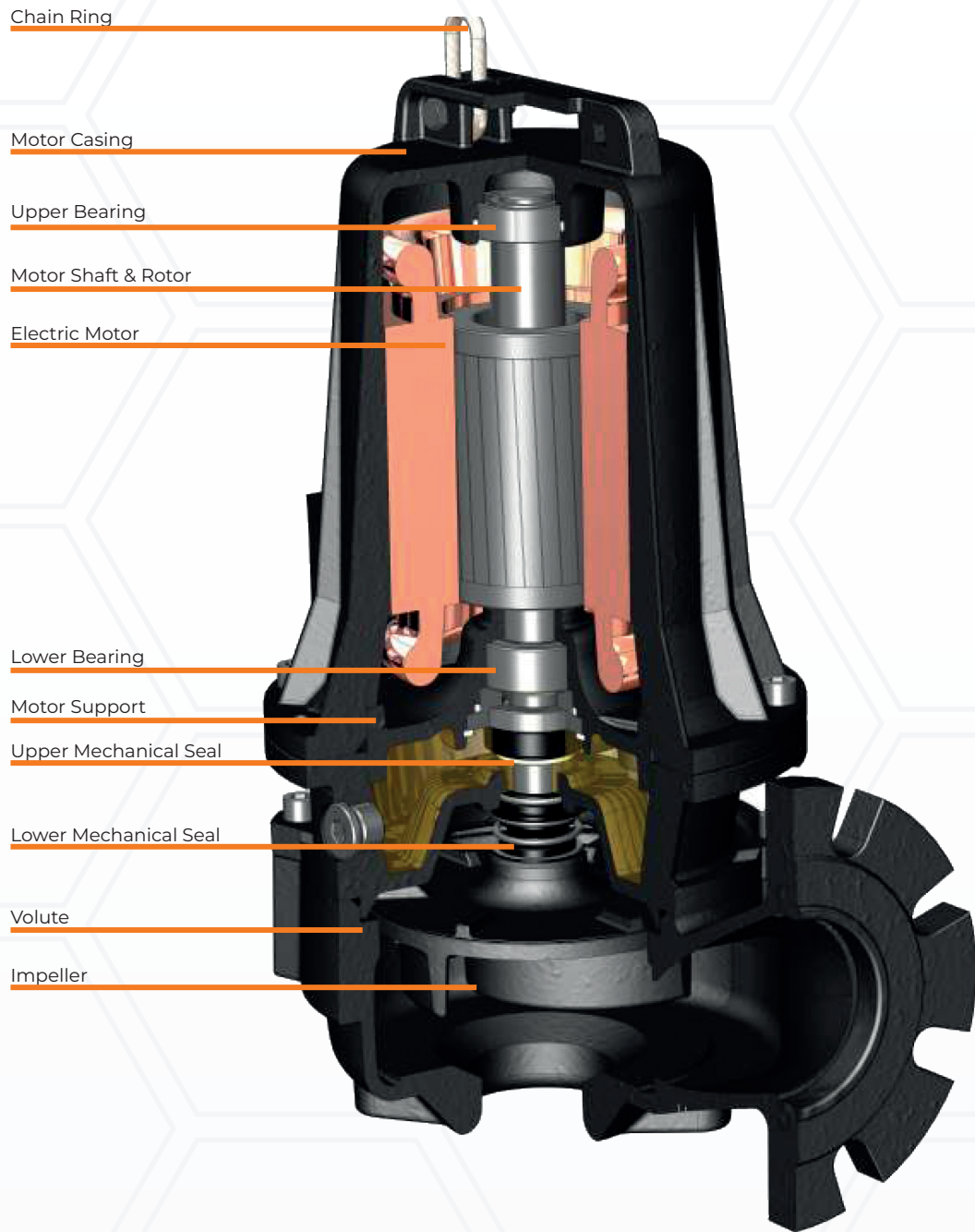
Built for higher flow rates and larger wastewater networks, the V4L models extends BJM's pumping capabilities to demanding municipal and industrial applications.

Ideal Applications

- Stormwater pump stations
- High-volume industrial wastewater
- Food & beverage wastewater

MODEL COMPARISONS

V2	V4	V4L
2-pole	4-pole	4-pole
1.5 - 8.9kW (2 - 12HP)	1.1 - 7.5kW (1.5 - 10HP)	11.9 - 55.9kW (16 - 75HP)
Higher head	Higher flow	Highest capacity
Vortex Impeller		
Small to medium capacity systems		High-capacity systems
Commercial, residential & local municipal lift stations		Regional & municipal infrastructure
Everyday wastewater collection		High-flow wastewater transport



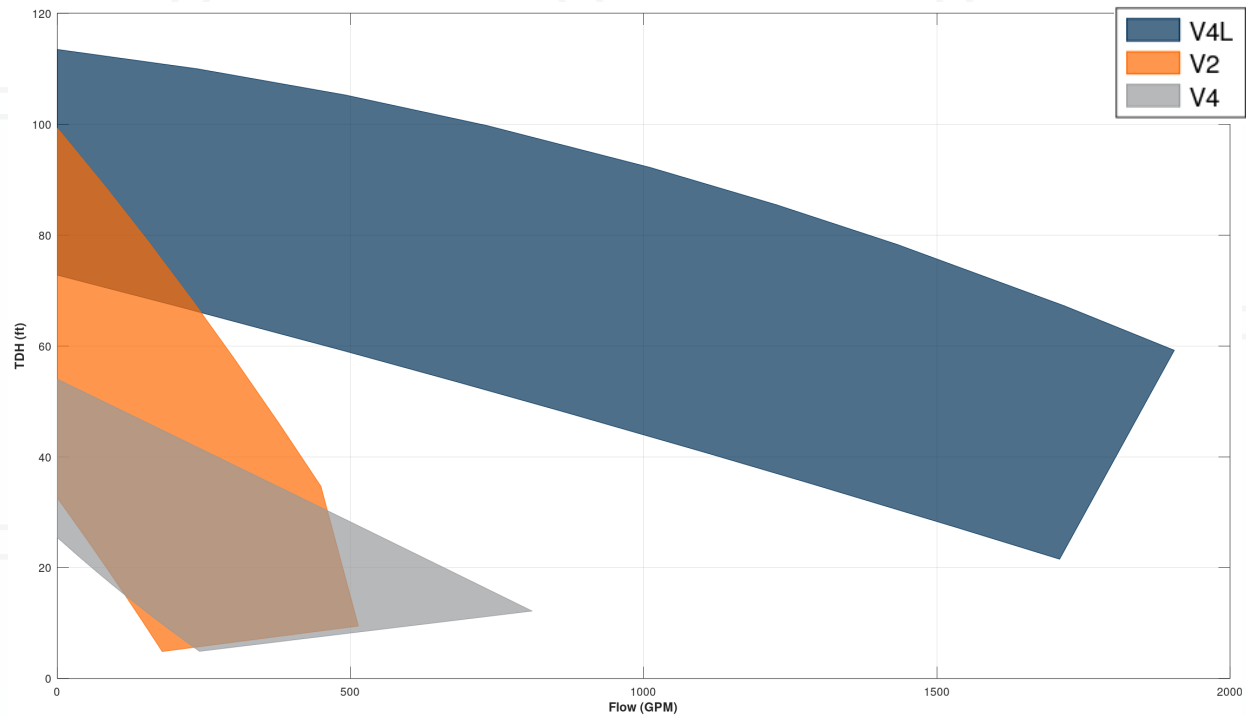
KEY BENEFITS

- **Superior Solids Handling:** Vortex impeller technology efficiently pumps sewage, suspended solids, & fibrous materials while minimizing the risk of clogging.
- **Maximizes Uptime:** Standard Seal Minder® technology and built-in thermal protection provide early detection, protecting the pump and reducing unplanned downtime.
- **Built for Long-Term Reliability:** Premium mechanical seals and durable cast iron construction provide dependable performance in demanding environments.
- **Corrosion-Resistant Construction:** Stainless steel cable glands and external components enhance corrosion resistance for long-lasting durability.

QUALITY CONSTRUCTION

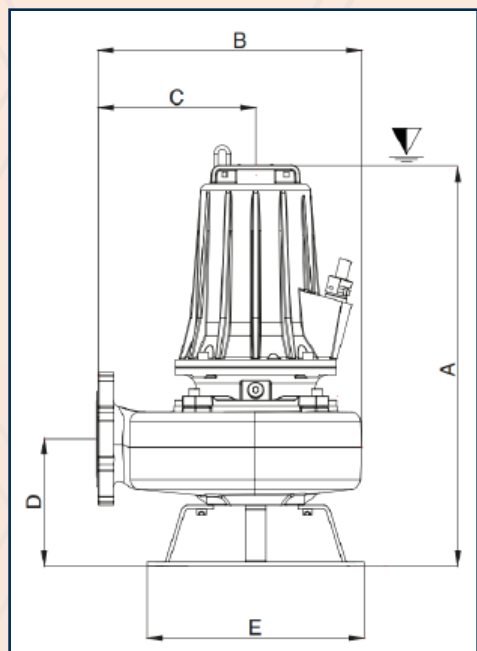
- **Heavy-Duty Cast Iron Construction:** GG25 cast iron housing delivers exceptional strength, wear resistance, and long service life.
- **Vortex Impeller Design:** Engineered to efficiently pass suspended solids and fibrous materials while reducing clogs.
- **Corrosion-Resistant Components:** Stainless steel cable glands and external hardware provide enhanced corrosion resistance in harsh environments.

PERFORMANCE CURVES



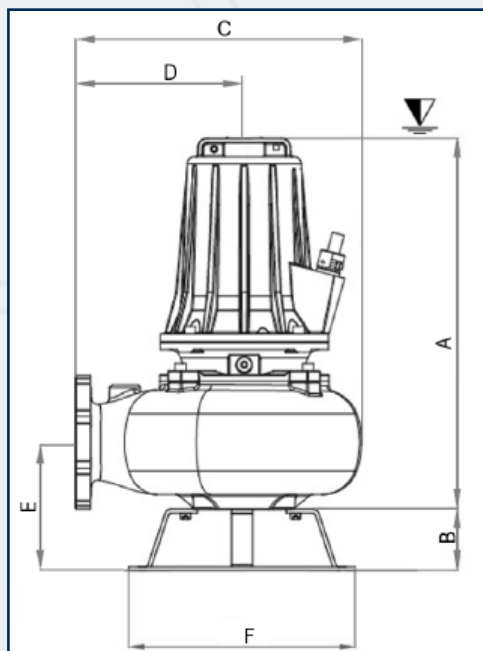
DIMENSIONS

V2



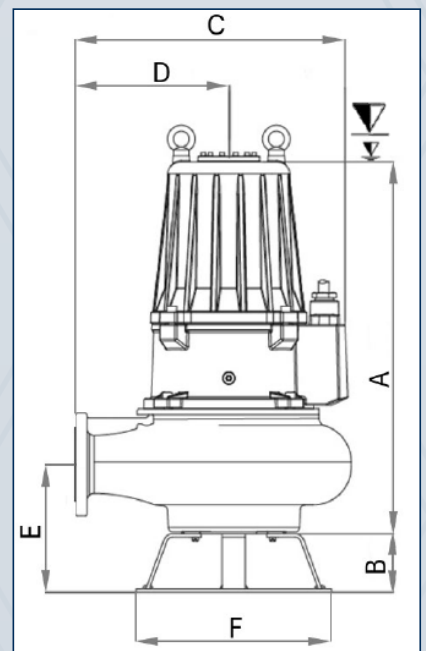
Model	A	B	C	D	E
V2-15	536	294	210	127	260
V2-22	536	294	210	127	260
V2-41	556	340	198	180	260
V2-56	610	368	198	180	320
V2-75	610	368	198	180	320
V2-89	610	368	198	180	320

V4



Model	A	B	C	D	E	F
V4-11	399	54	323	178	100	*
V4-15	399	54	323	178	100	*
V4-22	528	85	385	228	185	322
V4-30	528	85	385	228	185	322
V4-41	609	101	470	278	212	370
V4-56	609	101	470	278	212	370
V4-75	609	101	470	278	212	370

V4L



Model	A	B	C	D	E	F
V4L-119	730	125	347	255	238	420
V4L-183	806	125	402	342	266	420
V4L-224	806	125	402	342	266	420
V4L-254	806	125	402	342	266	420
V4L-358	1040	150	851	499	345	500
V4L-455	1040	150	851	499	345	500
V4L-559	1040	150	851	499	345	500

SPECIFICATIONS

All models available in 460V, 3-ph, 60-hz.

Model	Motor Rating	Full Load Amps	Discharge	Max. Head	Max. Flow	Max. Solids
V2-15	2 HP 1.5 kW	3.4	DN65-PN10	32 ft 9.8 m	179 GPM 678 LPM	2 in 50 mm
V2-22	3 HP 2.2 kW	4.8	DN65-PN10	45 ft 13.7 m	211 GPM 799 LPM	2 in 50 mm
V2-41	5.5 HP 4.1 kW	8.3	DN80-PN16	71 ft 21.6 m	285 GPM 1079 LPM	2.6 in 65 mm
V2-56	7.5 HP 5.6 kW	11	DN80-PN16	71 ft 21.6 m	391 GPM 1480 LPM	2.75 in 70 mm
V2-75	10 HP 7.5 kW	14	DN80-PN16	89 ft 27.1 m	514 GPM 1946 LPM	2.75 in 70 mm
V2-89	12 HP 8.9 kW	16.8	DN80-PN16	100 ft 30.5 m	450 GPM 1703 LPM	2.75 in 70 mm
V4-11	1.5 HP 1.1 kW	3	DN80-PN16	26 ft 7.9 m	243 GPM 920 LPM	3 in 75 mm
V4-22	3 HPW 2.2 kW	4.8	DN80-PN16	33 ft 10.1 m	348 GPM 1317 LPM	3.25 in 80 mm
V4-30	4 HP 3 kW	6.2	DN80-PN16	38 ft 11.6 m	384 GPM 1454 LPM	3.25 in 80 mm
V4-41	5.5 HP 4.1 kW	8.3	DN100-PN16	32 ft 9.8 m	584 GPM 2210 LPM	3.5 in 90 mm
V4-56	7.5 HP 5.6 kW	11	DN100-PN16	41 ft 12.5 m	720 GPM 2725 LPM	3.5 in 90 mm
V4-75	10 HP 7.5 kW	14	DN100-PN16	54 ft 16.5 m	810 GPM 3066 LPM	3.5 in 90 mm
V4L-119	16 HP 11.9 kW	22.2	DN100 PN16	72 ft 21.9 m	728 GPM 2756 LPM	3.6 in 91 mm
V4L-183	24.5 HP 18.3 kW	33.3	DN100 PN16	84 ft 25.6 m	809 GPM 3062 LPM	3.6 in 91 mm
V4L-224	30 HP 22.4 kW	40	DN100 PN16	97 ft 29.6 m	768 GPM 2907 LPM	3.6 in 91 mm
V4L-254	34 HP 25.4 kW	44.8	DN100 PN16	108 ft 32.9 m	869 GPM 3290 LPM	3.6 in 91 mm
V4L-358	48 HP 35.8 kW	62.4	DN150 PN16	71 ft 21.6 m	1920 GPM 7268 LPM	5.2 in 132 mm
V4L-455	61 HP 45.5 kW	78.3	DN150 PN16	95 ft 29 m	1725 GPM 6530 LPM	5.2 in 132 mm
V4L-559	75 HP 55.9 kW	96	DN150 PN16	113 ft 34.4 m	1906 GPM 7215 LPM	5.2 in 132 mm



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