



In-line vertical multistage pumps for high-pressure applications.

The RSV is a general-purpose, high-pressure pump built to handle a wide variety of flows, pressures and temperatures. With stainless steel construction, this pump is ideal for a variety of potable water and process applications. Its vertical in-line design allows for a small installation footprint, further enhancing its adaptability to many different systems.

The RSV is available in nine sizes, for flow rates to 400 GPM. With its modular construction, each pump can be constructed with a number of stages to meet the application's required pressure.

Our pumps are manufactured with the highest standards of quality. Strict controls throughout the manufacturing process, along with high hydraulic efficiency, ensure reliable operating performance and low lifetime cost. These pumps meet U.S. Department of Energy (DOE) pump efficiency standards.



RSV



Quality Management System Approval Certification Number 95-370h



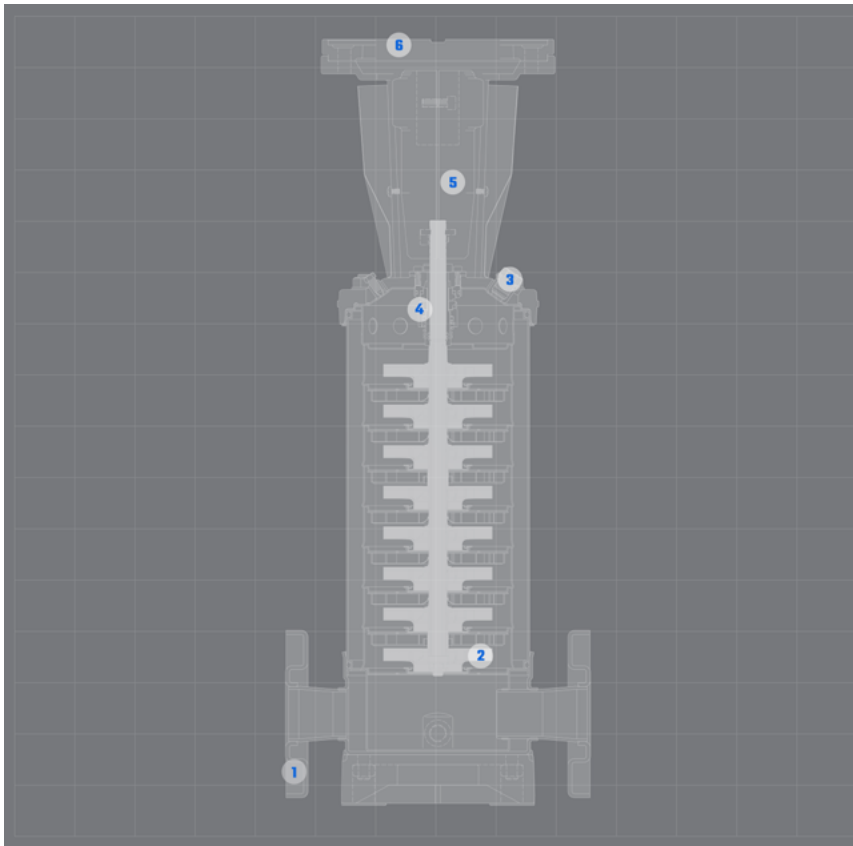
STANDARD MATERIALS

Outer Casing	304SS or 316SS
Intermediate Casing	304SS or 316SS
Bottom Casing	Cast Iron, 304SS or 316SS
Impeller	304SS or 316SS
Shaft	316SS
Wear Ring	PTFE or 316SS

MECHANICAL DATA

Impeller	Enclosed, High Efficiency
Mounting	Vertical In-line
Thrust Bearing	Sealed Ball Bearings
Connection	ANSI Raised-Face Flanges
	(150, 250 & 300 lbs.)





1 PIPING CONNECTION OPTIONS

Optional pipe connections are available depending on the application requirements

2 IMPELLER

Low axial thrust impeller enables long motor bearing life

3 FILL PORT

Fill port in casing cover allows for water fill, as well as installation of sensors, gauges and other measuring devices (RSVS Model)

4 SHAFT SEAL SOLUTIONS

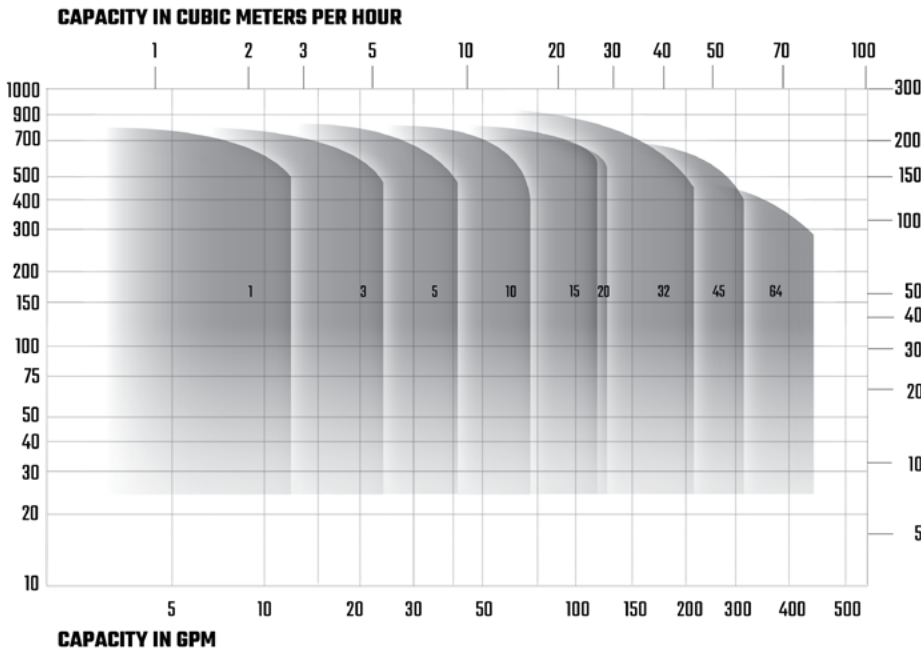
The cartridge shaft seal enables replacement of the shaft seal without disassembling the motor bracket

5 SPACER COUPLING

Allows for easy maintenance without having to remove heavy motors over 7.5 HP

6 MOTOR

Standard NEMA motor sizes can be fitted with no modifications, thanks to low axial thrust load



HYDRAULICS

- Flows to 400 US GPM (91 m³/hr)
- Heads to 830 Feet (253 m)
- Efficiencies to 80%
- Power to 50 HP (37 KW)
- Speeds up to 3,550 RPM
- Temperatures to 250° F (121° C)

APPLICATIONS

- Water supply systems
- Reverse osmosis
- Water boosting
- Washing systems
- Fire fighting
- Water treatment plants
- Boiler feed
- Jockey pump services
- Hot & cold water
- Circulation
- Irrigation
- Sprinkler systems
- Filtration
- Heat exchangers

Contact us

2415 Park Avenue
Muscatine, Iowa 52761
USA

(563) 263-3410
sales@carverpump.com
www.carverpump.com