

Solids Handling Dry Prime Vacuum-Assisted (JSV)

Thompson engineers developed a series of high pressure jet pumps that can handle liquids with larger solids and more air than standard end-suction centrifugal pumps. By increasing the impeller size and adding the Vacuum-Assisted Priming System, Thompson JSV Pumps are able to pass large amounts of solids and dry prime and re-prime automatically.



Applications

Construction: Wellpoint installation; pilings; seawall installation; equipment wash down; dewatering excavations, canals and sumps; extended sumping

Waste Treatment: Sewer bypasses; pumping mud or solids in suspension; force main pumping; dosing neutralizing liquids; pumping out settled sludge

Industrial: Water jetting and blasting; piping system surcharging and pressure testing; waste pumping; flood drainage; fire fighting; transfer of clean or dirty liquids containing sand, mud or solids in suspension

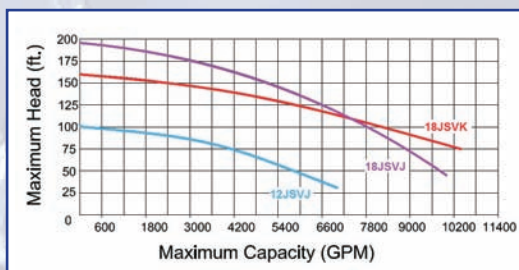
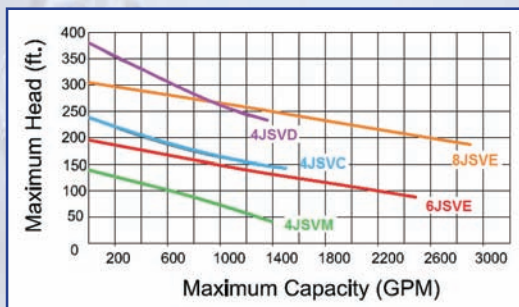
Mining: Wash-down operations; tailings; high head/high volume applications

Agricultural: Irrigation; dust abatement

Alternate pump end materials available for corrosive liquids

Features

- Capability of dry priming and automatic re-priming
- Large solids handling capability - up to 4 inches
- High pressure capability for jetting or pumping into force mains
- High capacity performance
- End-suction centrifugal pump end
- Heavy-Duty cast iron casing and brackets
- Stress-proof stainless steel shaft sleeves
- Cast Iron impeller and wear rings
- Abrasion-resistant tungsten carbide vs. silicon carbide mechanical seal
- Discharge priming valves
- Suction and discharge fittings
- Safety shutdown controls
- Various diesel or electric motor options
- Available with auto start controls



Model Specifications

Unit Model	Size (In.)	Maximum* Capacity (GPM)	Maximum* Head (Ft.)	Maximum* PSI	Maximum* Solids (In.)
4JSVD	4	1,410	440	143	3.00
4JSVM	4	1,450	175	56	3.00
4JSVC	4	1,450	230	99	3.00
6JSVE	6	2,600	195	84	3.00
8JSVE	8	3,200	300	130	3.00
12JSVJ	12	6,500	102	47	3.00
18JSVJ	18	9,000	240	87	3.00
18JSVK	18	11,000	160	69	4.00

**Consult engineering data for exact maximum performance RPM*



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