



SERIES MSP™ SUBMERSIBLE SLURRY SUMP PUMPS
Innovative Solutions for Solids Handling Pumps

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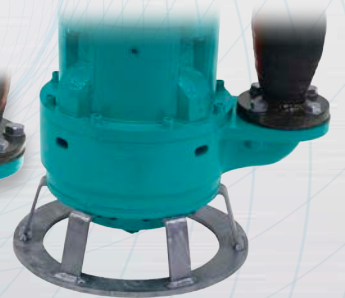
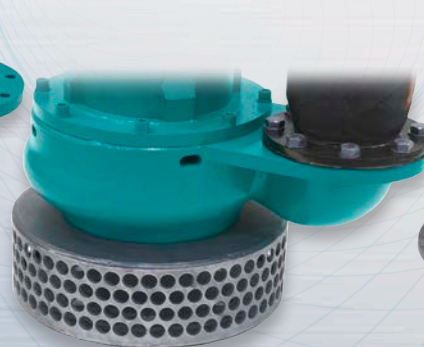
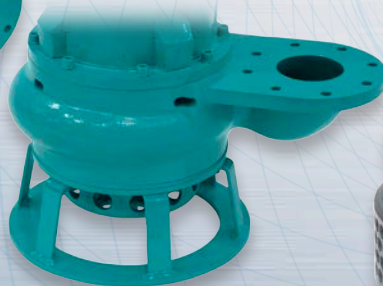
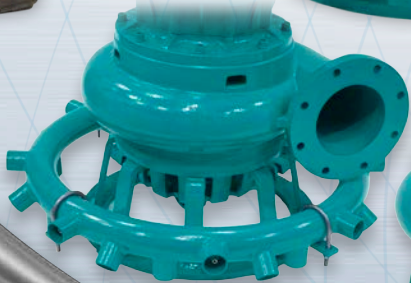
Townley Series MSP™ Submersible Slurry Sump Pump

Coal fired power plants, as well as the mineral and mining industry have experienced great success with wear life and utility after upgrading to the MSP™, from the vertical cantilever pumps or less robust submersibles.

Ease of installation and removal, make the Series MSP™ Submersible Slurry Pump a favorite of plant maintenance and engineering personnel.

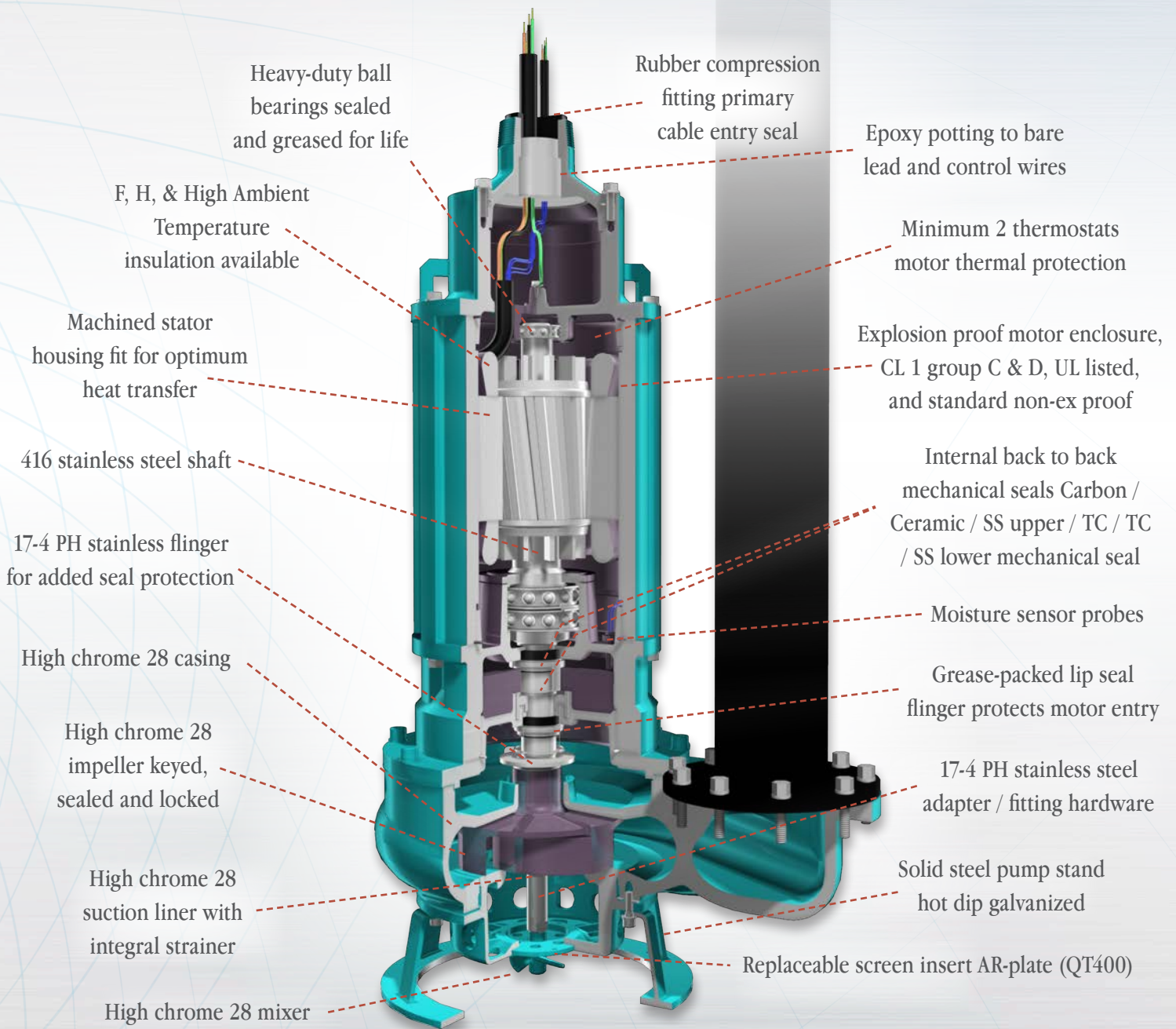
Our experienced representatives, will guide you in the proper pump selection and accessories for a seamless transition to the Series MSP™ for your site.

Townley has a large inventory of pumps ready to ship when you need it!



For the Most Severe Applications

This versatile modular pump can be used effectively for pumping dirty water, sludge and slurries. Featuring mixers to keep solids suspended and a high-chrome wet end, these rugged portable pumps are fast becoming a critical tool for maintenance crews at power plants and mining operations.

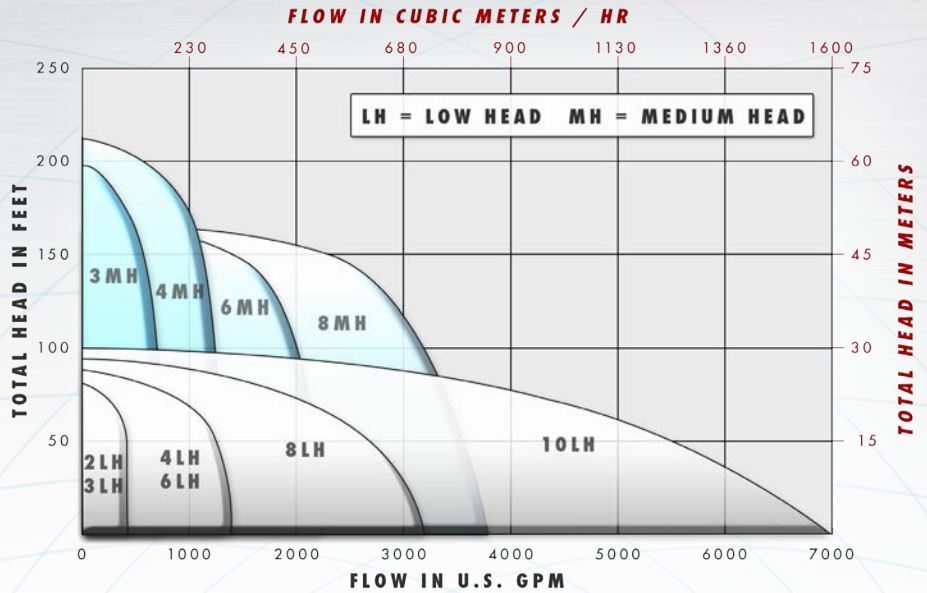


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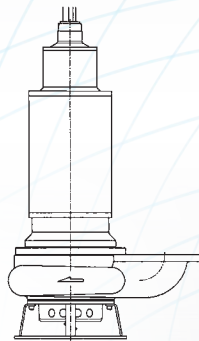
Engineering Data

- Series MSP™ submersible pump motors are available with UL explosion-proof label
- Series MSP™ submersible pumps require no in-sump bolting or support structure
- Complete supply of pump, discharge hose, valves and controls available as an engineered system
- Pump curves display wire to water efficiencies. Additional amp and service factor curves available



2" - 6" Series MSP™ LH Pump Models

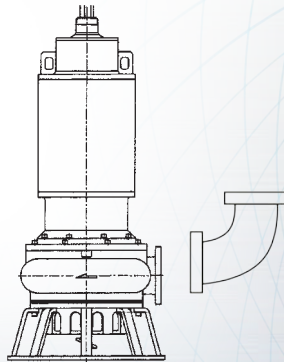
Integral elbow cast into casing eliminates need for an additional elbow



6" MH - 10" Series MSP™ LH Pump Models

Standard 125 lb ANSI drilled discharge flanges

High-Chrome cast elbows available



Series MSP™ Motor Data

MODEL	HP/(KW)	Freq. (Hz) F.L. RPM	Motor Frame Size	Voltage	Pump/Motor Weight/Lbs.
2" MSP	5 (3.7)	60/1755	180 TY	230/460 or 575	350
	7.5 (5.5)	60/1755	180 TY	230/460 or 575	350
	10 (7.35)	60/1755	210 TYS	230/460 or 575	465
3" MSP	10 (7.35)	60/1755	210 TYS	230/460 or 575	487
	15 (11)	60/1755	210 TYS	230/460 or 575	487
3" MH MSP	25 (18.6)	60/1755	250 TY	230/460 or 575	747
	30 (22)	60/1755	250 TY	230/460 or 575	747
4" MSP	40 (29.4)	60/1755	250 TY	230/460 or 575	747
	10 (7.35)	60/1755	210 TYS	230/460 or 575	518
4" MH MSP	15 (11)	60/1755	210 TYS	230/460 or 575	518
	20 (14.7)	60/1755	210 TYS	230/460 or 575	518
	40 (29.4)	60/1755	320 TYS	460 or 575	1489
6" MSP	75 (55.12)	60/1755	360 TYS	460 or 575	1489
	30 (22)	60/1755	250 TY	460 or 575	1058
6" MH MSP	40 (29.4)	60/1755	250 TY	460 or 575	1058
	50 (36.7)	60/1755	320 TYS	460 or 575	1462
	60 (44.12)	60/1170	320 TY	460 or 575	2220
8" MSP	75 (55.12)	60/1170	360 TYS	460 or 575	2220
	100 (73.53)	60/1170	360 TYS	460 or 575	2570
	125 (91.9)	60/1170	360 TYS	460 or 575	2570
	40 (29.4)	60/1160	320 TY	460 or 575	2020
8" MH MSP	50 (36.7)	60/1160	320 TY	460 or 575	2020
	60 (44.12)	60/1160	320 TY	460 or 575	2020
	75 (55.15)	60/1170	360 TYS	460 or 575	2370
	75 (55.15)	60/1170	360 TYS	460 or 575	2370
10" MSP	125 (91.9)	60/1170	360 TYS	460 or 575	2370
	150 (111.9)	60/880	360 TYS	460 or 575	3200
	200 (149)	60/880	440 TY	460 or 575	4800

Disclaimer: The information presented herein is a general guide to our products. We make no warranties, expressed or implied, with respect to the accuracy or usefulness of the information contained.

Townley reserves the right to change technical specifications from time to time without notice. Use of any and all information in this document is done so at the sole discretion of the user.

Mining Mineral Benefication Applications

The Series MSP™ pump is fast becoming the reliable standard for the industry providing a critical tool for maintenance crews and plant operators.

Power Plants

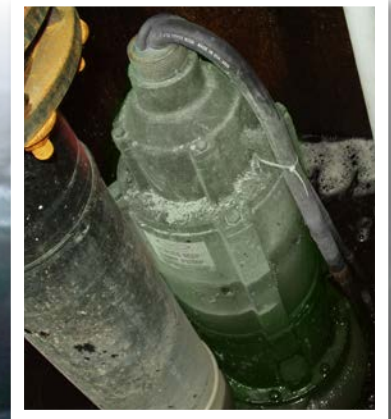
- Coal pile run-off
- Coal tunnel wash down sumps
- Bottom ash sumps
- Fly ash & precipitator sumps
- Ash pond float sumps
- Plant waste clean-up sumps

Sand & Clay Mining

- Kaolin clay
- Sand transport
- Clarifier sludge
- Red mud decanting

Mineral Extraction & Processing

- Ball and Sag Mill run off
- Cyclone Feed
- Magnetite Recovery
- Concentrate Sump
- Acid Mine Draining
- Red Mud Decanting
- Thickener Drain or Thickener Underflow Sump
- Classifier Sludge
- Slurry Transport Tailings Sumps
- Mill Rougher Sump



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Options and Accessories



Moisture Detector

Included as standard with every pump, this sensor provides one normally-open and one normally-closed connection for activating a warning and/or de-energizing the motor.

Controls

With our optional starter panel, sump level controls, Indicators for high level alarm, high temperature, seal leak, and low sump level with auto shut down you can enjoy a complete system for the safe and automatic operation of your MSP™.

Cast Iron and Rubber Lined Check Valves

Townley stocks the Swingflex check valve with rubber flapper for use with all Series MSP™ pump applications with MWP of 250 psig.

High Chrome Elbows

Townley's cast elbows are available for vertical discharge from the larger Series MSP™ Pumps.

Water Jacket

Bolt-on shroud to keep motor cool when pumping slurry from hot sumps.

Jet Ring Mixer

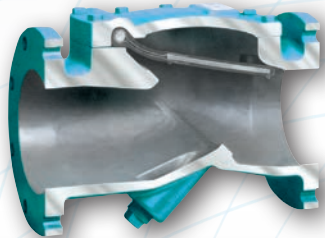
Solids will remain suspended providing the most effective removal of the solids and reducing the potential of "sanding-out" the sump.

Rubber-Lined Base

For chemical resistance and coarse media, we offer a rubber lined pump base as an option.

Rubber Slurry Hose

Townley's custom manufactured discharge hose is designed for all Series MSP™ pump applications, to ensure flexible utility for the pump placement in the sump. Our hose is offered with suitable wear tubes, flanging and lengths to match your application requirements.



Factory Rebuild Service with Performance Testing

Our factory-trained technicians tear down and rebuild your worn pumps, replacing parts considered non-serviceable. After rebuild, the pumps are operated in our new test cell to ensure your pump performs to original factory specifications. Standard static tests confirm rotation, voltage and leak detection. Additional tests include dynamic testing to match factory hydraulic and electrical curves, including flow rate, head, amps and at all defined conditions. Units are tagged and certified for shipping so you can be assured of like-new operation.



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Commit your work to the LORD, and then your plans will succeed.

- Proverbs 16:3



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