

MQ MULTIQUIP



InstaPrime High Flow Pumps



**Multi-purpose high flow pump
primes dry to 30 feet in seconds**

Construction Starts Here

www.multiquip.com

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InstaPrime High Flow Pumps



Backflush Valve — open valve to clean suction strainer of backflush wellpoints.

Pump volute is grade 65 ductile iron and has a cover to inspect or clear impeller.

Combination one-piece right angle **drive bearing-seal housing** with separate oil reservoirs. Can have two vacuum pumps.



Patented **direct right angle drive, liquid ring vacuum pump** with closed water system and only one moving part. Separate oil bath for seal; can run without water with no damage. No pollution; no unwanted discharge; quiet operation.



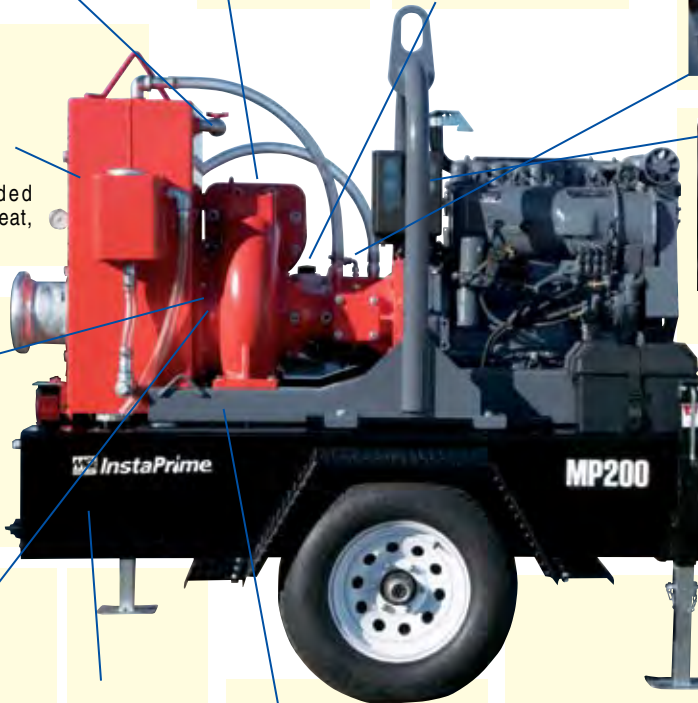
Float is one piece welded construction, rubber valve seat, self-aligning rubber hinge.



Patented **impeller** — two-blade spiral flow anti-cavitation, non-clog, solids-handling with fully adjustable front wear plate.



Patented adjustable **front wear plate** eliminates replacing wear parts.



LOFA control panel with full gauges and shut-downs for low oil pressure, high temperature and fan belt failure. Starter switch with no key; no Murphy button needed. Lockable vandal cover.

Removable, retractable **tongue** minimizes shipping and storage size. Adjustable ball or pintle hitch.



Patented **trackbar** — attached fenders, axle, and up to four jack stands.

Heavy duty **fuel tank** holds 140 gallons.

Rubber mounted sub frame for low vibration.

5,500 pound torsion **flex axle**. 15" tires and available with electric or surge brakes.



***DEWATERING INC.** switched from its oil lubricated priming system to the InstaPrime water lubricated priming system. The InstaPrime was more economical to operate, and its higher GPM required fewer pumps to dewater large jobs. The InstaPrime could run longer systems and save 14 gallons of oil per month.*



This 8" pump was reduced to 6" hose on a long term rental of construction site dewatering. The InstaPrime outperformed the 6" pump it replaced, and also used less fuel.

Why InstaPrime?

The need was recognized to design a prime-assist pump with true 21st century innovations, not modified old designs. A true multi-purpose pump that can handle de-watering, sewer by-pass, and wellpoint applications with a single pump design. The result is a prime-assist pump with 6 patents with more pending; this is the product of over 30 years of pumping and pump-design background. Special attention was paid to the feedback given by pumping contractors, municipalities, and rental operators of what was needed in a prime-assist pump. This feedback included the following points:

- **Durability**
- **Long run times**
- **Easy servicing** while minimizing service requirements
- **Efficient pump performance**
- **Good fuel economy**

The InstaPrime series of prime-assist pumps fulfills these requirements.



InstaPrime High Flow Pumps

There are many reasons to buy InstaPrime Prime-Assist Pumps...

- **3 models:** high-flow 6", 8", and high-flow 8", (150, 200 mm)
- **Primes dry:** up to a 30 ft. (9.1 meters) lift in 30 seconds and can run dry
- **Multi-purpose:** pumps trash, sewage, sludge, and runs wellpoints systems
- **Easy to use and tow:** Turn the key and start pumping, up to 72 hours run time
- **High performance:** from 2,500 GPM to 3,500 GPM, up to 135 ft. heads (flows of 9.4 to 13.2 m³/m, heads up to 41 meters)
- **Low maintenance:** Oil bath mechanical seal, direct drive vacuum pump (no belts)
- **No pollution:** Water lube vacuum pump (no oil leaks), no unwanted priming system discharge
- **Reliable and dependable:** Fool proof priming, abrasion resistant pump, no cavitation

MQ150HD — Size: 6" High-flow

Max Flow: 2,500 GPM (9.4 m³/m)

Max Head: 122 ft. (37m)

The MP150HD is the perfect size for general de-watering, rental fleets or for wellpoints. Good performance for the investment, excellent fuel economy.

MP200HD — Size: 8" High-flow

Max Flow: 3,500 GPM (13.2 m³/m)

Max Head: 135 ft. (41m)

The MP200HD is the best combination of size, performance, and efficiency. This performance is only seen on competitive pumps using more horsepower, excellent fuel savings can be recognized with the 8" high-flow.

MP200D — Size: 8"

Max Flow: 2,700 GPM (10.2 m³/m)

Max Head: 122 ft. (37m)

The MP200D can be used to replace your old worn out 8" pumps and utilize the stock piping you may have. A solid performer for many of your applications, a favorite of municipalities.





InstaPrime High Flow Pumps

Model	Engine	HP (kW)*	RPM	Max. Flow GPM (m ³ /min.)	Max. Head ft. (m)	Max. Solids in. (mm)	Suction Lift in. (mm)	Net Fuel Capacity gal. (l)	Sound Press. dBA	Run Time Hrs.	Dry Wt. lb., (kg)
MP150SDLSM	Deutz F3L914	43 (32)	1800	2500 (9.4)	122 (37)	3.2 (81.2)	30 (9.1)	125 (475)	74	56	3750 (1700)
MP150SDLTE	Deutz F3L914	43 (32)	1800	2500 (9.4)	122 (37)	3.2 (81.2)	30 (9.1)	125 (475)	74	56	3900 (1769)
MP150SDLTS	Deutz F3L914	43 (32)	1800	2500 (9.4)	122 (37)	3.2 (81.2)	30 (9.1)	125 (475)	74	56	3900 (1769)
MP200DLISM	Deutz F3L914	43 (32)	1800	2700 (10.2)	122 (37)	3.2 (81.2)	25 (7.8)	125 (475)	74	56	3800 (1723)
MP200DLITE	Deutz F3L914	43 (32)	1800	2700 (10.2)	122 (37)	3.2 (81.2)	25 (7.8)	125 (475)	74	56	3950 (1791)
MP200DLISM	Deutz F3L914	43 (32)	1800	2700 (10.2)	122 (37)	3.2 (81.2)	25 (7.8)	125 (475)	74	56	3950 (1791)
MP200SDLISM	Deutz F4L914	60 (48)	1800	3500 (13.2)	135 (41)	3.6 (91.4)	25 (7.8)	125 (475)	76	41	3960 (1796)
MP200SDLITE	Deutz F4L914	60 (48)	1800	3500 (13.2)	135 (41)	3.6 (91.4)	25 (7.8)	125 (475)	76	41	4110 (1863)
MP200SDLTS	Deutz F4L914	60 (48)	1800	3500 (13.2)	135 (41)	3.6 (91.4)	25 (7.8)	125 (475)	76	41	4110 (1863)

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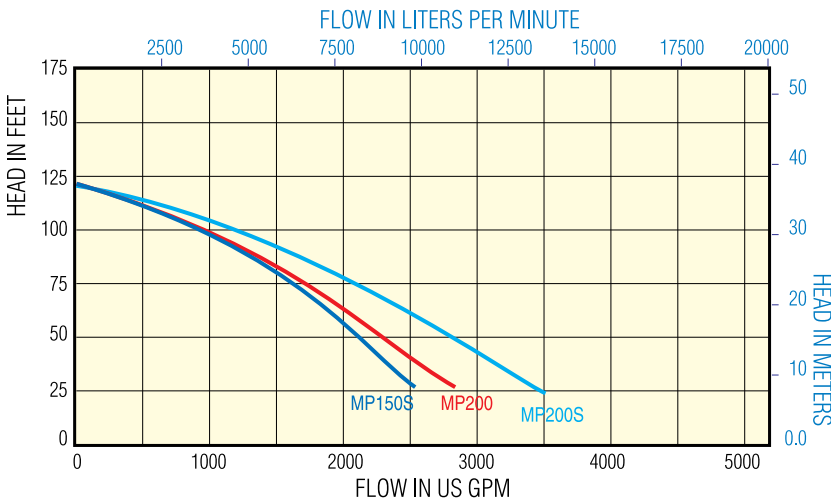
STANDARD EQUIPMENT

- Direct drive 60 CFM vacuum pump
- Balanced lifting bale
- 1.1/4" fuel drains with 1/2" (13 mm) fuel test drains in corners of fuel tank for contamination or water
- Drain valves in pump and priming system for freezing
- 3" (80 mm) fuel cap, in-line fuel filter before engine fuel pump
- Complete engine gauges and hour meter, adjustable engine speed control
- Bauer style (Wil-loc) suction and discharge fittings
- LOFA Panel with shut down indicator lights, lockable vandal cover, Maximum RPM limiter

OPTIONS

- Trailer-mounts:
 - Torsion flex axle 5200 pound capacity with **electric brakes** and 2 5/16" ball hitch or pintle ring; heavy duty steel plate fenders; two adjustable jack stands — 4000 pound each capacity
 - Torsion flex axle 5200 pound capacity with **surge brakes** and 2 5/16" ball hitch or pintle ring; heavy duty steel plate fenders; two adjustable jack stands — 4000 pound each capacity
- LOFA automatic diesel engine, auto-start system for level control with floats and vandal door.
- LOFA Telemetry for remote monitoring of engine and pump performance
- Suction Strainer
- Add a second Vacuum Pump
- Extra jack stands

PERFORMANCE CURVES



Distributed By:



* Engine power ratings are calculated by the individual engine manufacturer and the rating method may vary among engine manufacturers. MultiQuip Inc. and its subsidiary companies makes no claim, representation or warranty as to the power rating of the engine on this equipment and disclaims any responsibility or liability of any kind whatsoever with respect to the accuracy of the engine power rating. Users are advised to consult the engine manufacturer's owners manual and its website for specific information regarding the engine power rating.

Pumps manufactured in USA, ex-works Boise, Idaho
 All features and specifications are subject to change without notice.
 MQINSTPRI-282 Rev. 2 (10-07)



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