



# Marflex Submersible Pumps - Screw (MSP)

Portable submersible pumps are versatile in that they can be used in various situations and industries. They can be used as a backup pump for firefighting, salvaging, sewing, or as an oil recovery pump. These pumps can be used in various locations due to their lightweight aluminum design, compact size, and flexible hoses, meaning that these pumps can be moved easily from one location to another. Simply connect to a powerpack, whenever the portable pump is needed.

The MarFlex Submersible Pumps (MSP) can withstand roughly the same temperature as our regular deepwell cargo pumps.

The MSP (MarFlex Submersible Pump) is typically provided as part of the newbuilding Deepwell Pump package for onboard seagoing vessels, ensuring that the vessel can operate at any time

## Materials used

Due to its mobile nature, the MSP housing is made up of lighter aluminum, perfect for easy storage and installation.

## The MSP comes in three assorted designs, depending on your specific requirements:

- **MSP100/150 = Screw pump**

The screw submersible pump can be used for oil recovery, salvage, sewage, and agriculture pumping purposes

- **MPEH16/200 = Eccentric helical mono pump**

The mono pump is a hydraulic-driven, eccentric helical pump that utilizes the positive displacement principle



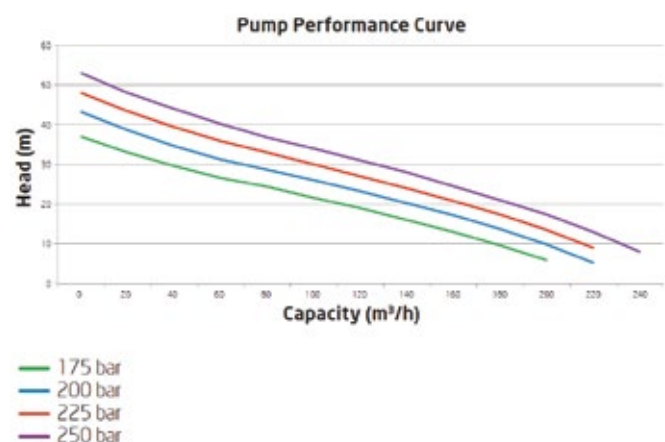
The MSP-100 portable pump is based around a Hydrostal Screwcentrifugal impeller. This type of impeller combines the properties of a screw pump with those of a centrifugal pump. The low liquid velocities in the pump result in low shear forces. This makes the pump suitable for liquids which have to be treated carefully and without too much motion and turbulence, in order to avoid emulsification such as water-oil mixtures. The last property makes the pump perfect for oil-recovery operations and it is for this reason that several coast guards have standardized on this type of pump. The pump can be delivered in an aluminium version. A bronze version is optional.

### MSP-100

Discharge connection	: 4" coupling or 4" flange
Max. pressure	: 250 bar
Max. return pressure	: 6 bar
Max. oil flow	: 48 (l/min)
Pressure connection	: ½" quick coupling
Return connection	: ¾" quick coupling

### Dimensions

Max. diameter	: 305 mm
Height	: 373 mm
Weight excluded hoses	: 28 kg



### Contact for more information

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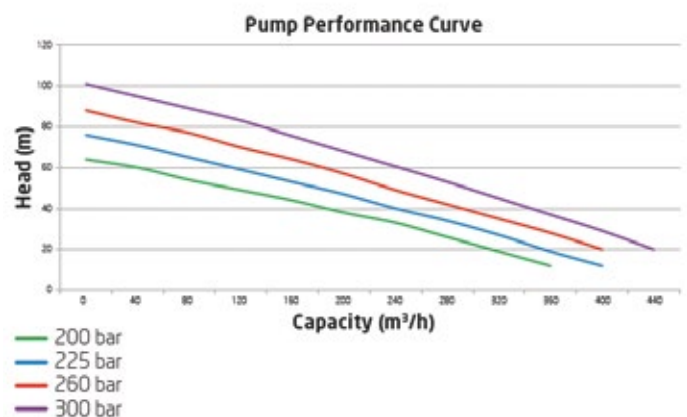


The MSP-150 portable pump is based around a screw centrifugal impeller. This type of impeller combines the properties of a screw pump with those of a centrifugal pump. The low liquid velocities in the pump result in low shear forces. This makes the pump suitable for delicate liquids (which must be handled carefully and without too much motion and turbulence) and so problems such as coagulation of natural latex and emulsification, such as in water-oil mixtures, are avoided. The last property makes the pump perfect for oil-recovery operations and it is for this reason that several coast guards have standardized on this type of pump. For very viscous products, like molasses and heavy fuel oil, the pump can be delivered with a different hydraulic motor.

MSP-150	MSP-150-63	MSP-150-90
Discharge connection	: 6" coupling or 6" flange	: 66" coupling or 6" flange
Max. pressure	: 320 bar	: 320 bar
Max. return pressure	: 6 bar	: 6 bar
Max. oil flow	: 130 (l/min)	: 180 (l/min)
Pressure connection	: 1" quick coupling	: 1" quick coupling
Return connection	: 1½" quick coupling	: 1½" quick coupling

### Dimensions

Max. diameter	: 490 mm	: 490 mm
Height	: 610 mm	: 610 mm
Weight excluded hoses	: 83 kg	: 92 kg



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