

# DOUBLE DIAPHRAGM PUMP 1590 ALUMIN

Product group: **422**      Product number: **718635**

The diaphragm pump is built with the highest quality precision parts. Long lasting, even when used with abrasive fluids, making this pump very cost effective. Professionals turn to this pump because it offers an easy, hands-off solution to your fluid handling needs.



## Product information

This is the highest capacity double diaphragm pump in its price class. With all the same durable features of the smaller model, the 1590 has 1,5"npt ports that can take on the heavier, more viscous materials and pump them faster with greater tolerance for suspended solids. Model 1590 has an air valve system that is 100% serviceable without disassembly of the wetted parts, saving valuable maintenance time. This pump requires no air line lubrication, which also saves money.

- Highest reliability air valves for no stall operation
- No Lube air valves reduce routine maintenance
- High flow design with complete range of diaphragm options
- Rugged construction for long, trouble free performance
- Ideal for spill response and all types of transfer applications

Typical fluids handled by this pump:

- Oil: Light oil, gear oil, mineral oil
- Fuel: Diesel, leaded petrol/gasoline, fuel oil
- Other: Seawater/brine, general waste water, white spirit, alcohol

### Features

- Easy maintenance
- Fluid compatibility
- Unique, patented air valves
- Precision-fitted parts

### Benefits

- Quick priming and immediate flow of product
- Handles fluid viscosities up to 5000 cps and solids up to 3/16 in (4,8 mm)
- Excellent for abrasive, low-to-medium viscosity fluids and shear sensitive materials

## Specification

### General

Invent Hazard Material (IMO/IU) classification	NA
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### Dimensions/Weight

Height [mm]	445
Length [mm]	554
Pumpable solid size [mm]	4.8 maximum
Weight [kg]	15.2
Width [mm]	265

### Technical data

Air consumption [m³/min]	3.5 maximum
Air inlet connection [inch]	1/2 NPT
Air pressure [bar]	1.4 - 8.4 working range
Fluid inlet and outlet size [inch]	1-1/2
Operating fluid pressure [bar]	8.4 maximum
Operating temperature [°C]	4 - 65.5 maximum
Suction lift [m]	5.48

### Performance data

Flow capacity [l/min]	378 maximum
Pump Speed [cpm]	200 maximum

## Documents

[SDoC and MD for IHM](#)

## Related products

### Accessories

**729462**  
HOSE NIPPLES FOR 1590 PUMP  
**742916**  
SUCTION HOSE FOR 1590

Is frequently bought together with

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ACCESSORIES KIT F/UWM-230,-320,-500