

# TYPE MSV INOX

## Vertical Multistage In-Line Centrifugal Pumps

### Applications

- Booster Sets
- Water Treatment
- Air-conditioning
- Irrigation
- Water Transfer
- Marine Application
- Sprinkler Installations (Jockey Pump)
- Washing System
- Boiler Feed
- Fountains
- Fire Fighting

### Performance

- Capacity up to 180 m<sup>3</sup>/h at 2850 rpm
- Head up to 300 m at 2850 rpm
- Max. Working Pressure: 25 Bars
- Liquid Temperature: -15° C to +120° C
- Ambient Temperature: up to 40° C
- Altitude: up to 1000 m

### Pump

Robust construction, resistance to wear and minimum maintenance ensure that DRAKOS MSV INOX Vertical Multistage Centrifugal Pumps are suitable for numbers of applications ranging from water supply to water boosting and liquid transfer in industry.

MSV Inox pump is a non self-priming, vertical multistage centrifugal pump fitted with a standard motor and has a maintenance free mechanical shaft seal with dimensions to DIN 24960.

The pump consists of a base and a pump head. The pump body and the outer sleeve are fixed between the base and the pump head by large diameter tie bolts. The base has suction and discharge ports on the same level (in-line)

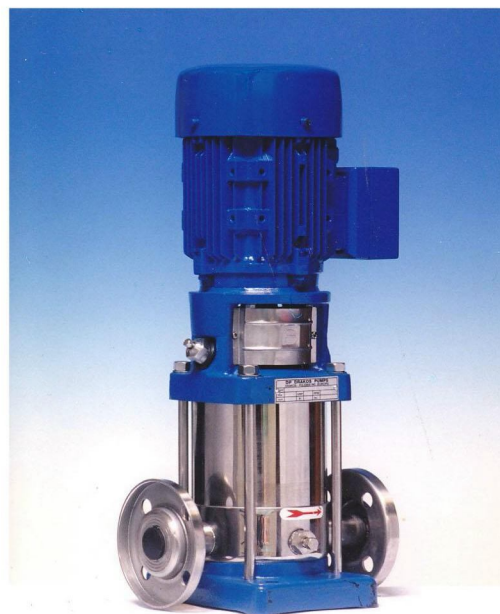
### Motor

The motor is a totally enclosed, fan cooled, 2 poles standard motor with dimensions in accordance with IEC standard. (4 poles motor is available on request)

Insulation Class: F  
Protection Class: IP55  
Voltage: 50Hz / 60Hz

MSV Inox Pumps from 0.37kw to 2.2kw are also available with single phase motors.

Direction of Rotation: Clock Wise by viewing from the top of the motor.



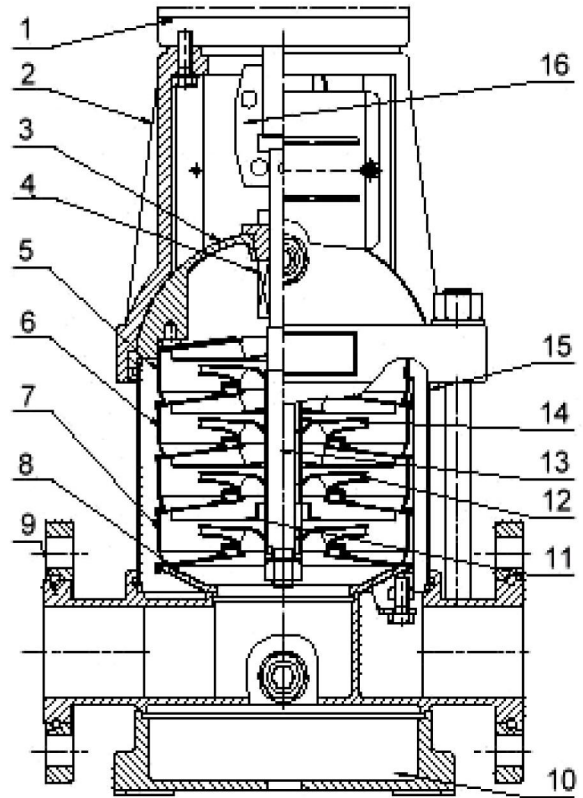
### Pipe Connection

Pump Size	DIN Flange	Threaded Socket
MSV Inox 1	DN 25	Ø 32 mm
MSV Inox 2	DN 25	Ø 32 mm
MSV Inox 3	DN 25	Ø 50 mm
MSV Inox 4	DN 32	Ø 50 mm
MSV Inox 10	DN 40	Ø 50 mm
MSV Inox 12	DN 40	Ø 50 mm
MSV Inox 18	DN 50	Ø 50 mm
MSV Inox 20	DN 50	Ø 50 mm
MSV Inox 32	DN 65	-
MSV Inox 45	DN 80	-
MSV Inox 64	DN 100	-
MSV Inox 90	DN 100	-
MSV Inox 120	DN 125	-
MSV Inox 150	DN 125	-
MSV Inox 200	DN 150	-



## Materials

No	Description	Material
1	Motor	
2	Pump Head	Cast Iron
3	Seal Base	Stainless Steel
4	Mechanical Seal	EPDM/Carbon/Ceramic
5	Top Diffuser	Stainless Steel
6	Diffuser	Stainless Steel
7	Support Diffuser	Stainless Steel
8	Inducer	Stainless Steel
9	Inlet & Outlet Chamber	Stainless Steel
10	Base Plate	Stainless Steel
11	Bearing	Tungsten Carbide
12	Impeller	Stainless Steel
13	Shaft	Stainless Steel
14	Impeller Sleeve	Stainless Steel
15	Cylinder	Stainless Steel
16	Coupling	Carbon Steel



## Options

- Casing and Impeller with Stainless Steel 316.
- Stainless Steel De-aerating and Draining Plug.
- Elastomers available in Viton instead of NBR.
- Connecting Flange according to ANSI / JIS.
- Motor Flange according to NEMA.
- Mechanical Seal: Silicon Carbide / Silicon Carbide / Viton.

## Performance Range

