



## The Low Capacity Pump

### FM-OS Centrifugal Pump

#### Application

Centrifugal pump FM-OS is designed for use in food, pharmaceutical, chemical and other industries where acid-resistant steel is resistant to the products to be pumped.

#### Standard design

All product wetted parts, ie. pump casing, impeller and pump shaft, are made of acid-resistant steel 1.4404 (316L). Screws, yoke and nuts are made of stainless steel 1.4301 (304). Seals are made of Nitrile (NBR).

#### Shaft seal

Mechanical single or flushed seal with stationary seal ring of acid-resistant steel AISI 329 with sealing surface of silicon carbide and with rotating seal ring of carbon.



#### TECHNICAL DATA

##### Motor

Standard foot-flanged motor acc. to IEC metric standard, 2 pol = 3000/3600 rpm. at 50/60 Hz, IP55 (with drain holes with labyrinth plug), insulation class F.

##### Motor size

50 Hz: ..... 1.1 kW.  
60 Hz: ..... 1.3 kW.

#### OPERATING DATA

##### Pressure

Max. inlet pressure: ..... 400kPa (4 bar).  
Max. outlet pressure: ..... 700kPa (7 bar).  
Max. water pressure, (flushed seal): ... Normally atmospheric  
(max. 1 bar)

##### Temperature

Temperature range: ..... -10°C to +140°C (EPDM).

##### Water consumption

Flushed seal: ..... 0.25 - 0.5 l/min.

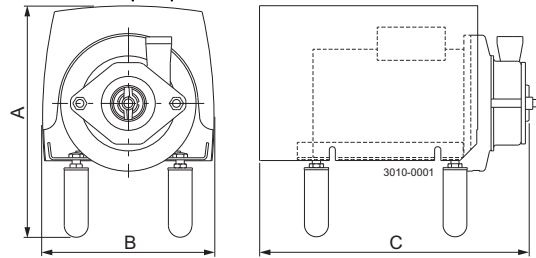
##### Impeller diameter

Impeller diameter: ..... 115 mm.

##### Weight

Weight: ..... 20 kg.

Dimensions (mm)

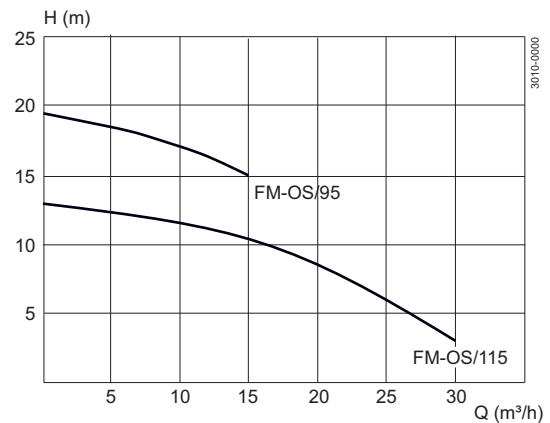


FM-OS		
Motor	kW	1.1
A	min.	345
A	max.	375
B		252
C		397

#### Options

- A. Impeller with reduced diameter.
- B. Flushed shaft seal.
- C. Other voltage, frequency or flameproof motor.
- D. Inlet and outlet with flanges.
- E. Counter flanges, collars and seal rings.
- F. Product wetted seals of EPDM, Fluorinated Rubber (FPM) or Teflon (PTFE).
- G. Rotating seal ring of Silicon Carbide.

Volumetric flow



#### Ordering

Please state the following when ordering:

- Pump type.
- Voltage and frequency.
- Flow rate, pressure and temperature.
- Density and viscosity of product.
- Options.

#### NOTE!

For further details, see also instruction IM 70344.

Inlet and outlet: 51 mm

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