



The Low Capacity Pump

Alfa Laval 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 required.

Standard design

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

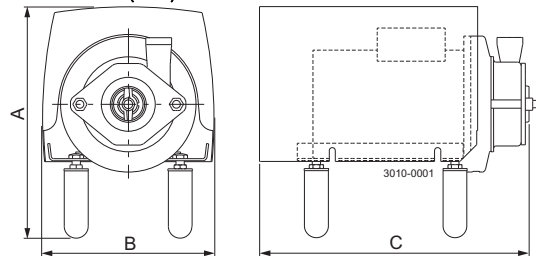
Impeller diameter

Impeller diameter: 115 mm.

Weight

Weight: 20 kg.

Dimensions (mm)

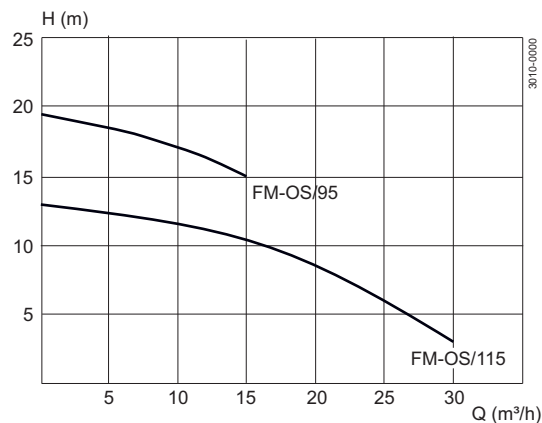


FM-OS		
Motor	kW	1.1
A	min.	345
A	max.	375
B		252
C		397

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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