

Liquid-ring Pump, with standard motor Type MR

Application

MR standard pump is a liquid-ring pump which is specially designed for food, chemical, pharmaceutical and other industries where acid-resistant steel is resistant to the products to be pumped.

Standard Design

All products wetted parts, i.e. pump casing, casing cover and impeller are made of acid-resistant steel AISI 316. Clamp screws, legs, leg brackets and shroud are made of stainless steel AISI 304. Intermediate part is in cast iron which is zinc coated and laquered making it highly corrosion resistant. Seals are made of EPDM rubber. The shrouds has noise absorbing lining inside.

Shaft Seal

Spring loaded, mechanical seal, carbon against acid-resistant steel.

Motor

Foot-flanged IEC metric standard motors, 1500 rpm., 3-phase AC, 50 Hz, with stub shaft in acid-resistant steel AISI 316.

MR-185S	5.5 kW
MR-200S	7.5 kW

Optional Extras

- A) Other voltage and frequency.
- B) Seals in Nitrile (NBR).
- C) Seals in Viton (FPM).
- D) Flame-proof motors.
- E) Pump without shroud and legs.
- F) Pump without shroud.

Ordering

- Please state the following when ordering:
- Pump type.
 - Voltage and frequency.
 - Connections.
 - Flow rate, pressure and temperature.
 - Density and viscosity of product.
 - Optional extras.



Fig. 1. MR-185S with shroud and legs.



Fig. 2. MR-185S without shroud.

Volumetric Flow

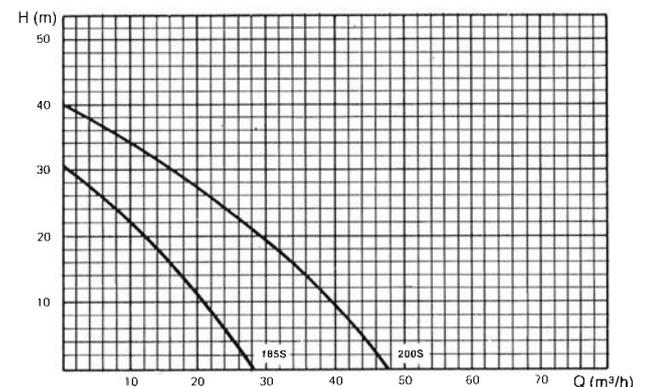


Fig. 3. Flow chart.

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Dimensions (mm)

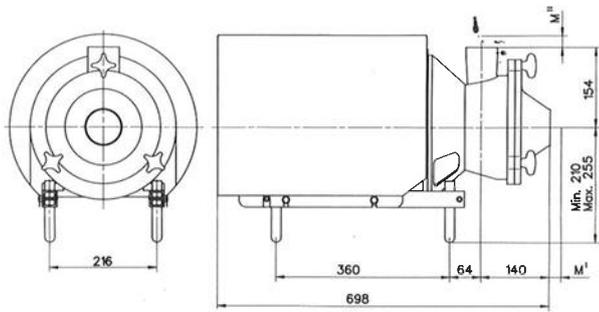


Fig. 4. Dimensions.

Connections (mm)

Inlet and outlet: 76 mm (3").

Dim.	ISO clamp	ISO male	SMS male	DIN male	BS male
M ^I	21.5	21.5	24	30	22
M ^{II}	12	21.5	24	30	19

Weights (kg)

Type	MR-185S	MR-200S
Weight	83	103

For higher capacities please see PD 65146, MR-300.
See also PD 60066 for MR-166B, -185A and -200A.

NOTE! For further information, see also instruction IM 70733.

Alfa Laval Flow

LKM A/S

Albuen 31, Box 802, DK-6000 Kolding, Denmark
Telephone +45 79 32 22 00, Telefax +45 75 53 52 22, Telex 51 363

We reserve the right to undertake changes to our products, including products for which orders have already been received, without giving prior notice.

PD 65310 GB2 9311

Liquid-Ring Pump Type MR

Type: MR-166B, 185A/S, 200A/S, 300	Type:	166B (mm)	185A/S (mm)	200A/S (mm)	300 (mm)
Motor: 1500 rpm. synchr., 50 Hz.	Impeller dia.:	165	199	199	240
Tolerance: ± 8% for Q. ± 6% for H.	Pump inlet, dia.:	51	76	76	76
Performance data refer to water at 20°C.	Pump outlet, dia.:	51	76	76	76

NOTE! DO NOT FORGET THE SAFETY FACTOR.

