

Alfa Laval GM and GM-A

Centrifugal pumps

Introduction

The Alfa Laval GM and GM-A Centrifugal Pumps are small, economical pumps engineered to handle low volumes in hygienic applications.

Applications

The GM and GM-A Centrifugal Pumps are designed for use in processes that require the use of acid-resistant steel in hygienic applications across the food, dairy, beverage and other industries.

The GM and GM-A pumps can handle capacities up to 15 m³/h and differential pressures up to 2 bar at 50Hz.

Benefits

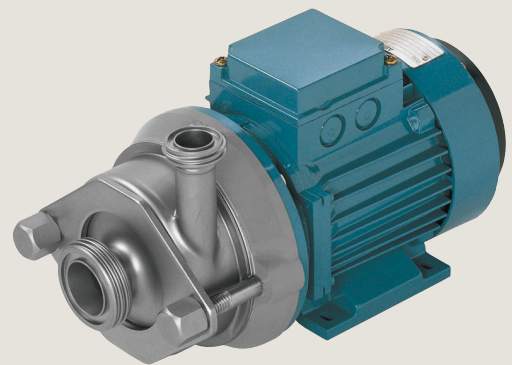
- Reliable and cost-effective transfer of acidic products.
- Handles low capacities with ease.
- Corrosion-resistant for use in aggressive environments.

Standard design

The GM centrifugal pump consists of a W. 1.4404 (AISI 316L) pump casing and shaft; glass fibre-reinforced nylon impeller; stainless steel stud bolts and nuts for pump casing; and, plastic adapter and collets.

The GM-A centrifugal pump consists of a W. 1.4404 (AISI 316L) pump casing, shaft and impeller, stainless steel nuts, yoke and adapter for pump casing.

Both are equipped with a single mechanical seal.



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: 0.55 kW.

OPERATING DATA

Pressure

Max. inlet pressure: 400 kPa (4 bar)

Temperature range

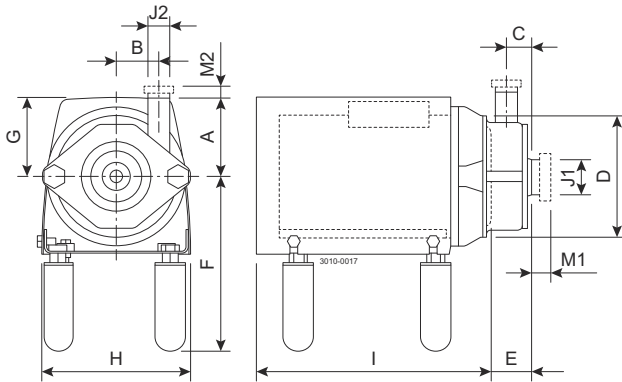
GM: -10°C to +80°C

GM-A: -10°C to +140°C (EPDM)

Impeller diameter

Impeller diameter: 115 mm

Dimensions (mm)



Pump specific measures

Pump Model	GM
A	90
B	49
C	31
D	140
E	58

Motor specific measures

Motor IEC	IEC71
Motor kW	0.55
F(max) ¹	202
G	111
H	173
I	256

¹ Possible to reduce dimension F by min. 30 mm for all pump models.

Motor overview

Pump Model	GM
Motor range (IEC)	IEC71



Note! Dimensional data are based on 2 pole, ABB motors.

Connections

Pump Model		GM
Clamp ISO 2037	M1	12
	M2	12
Union ISO(IDF)	M1	23
	M2	21

¹ Other dimensions available on request. ESE00272/5

Pump Model		GM
Union DIN/ISO	M1	22
	M2	22
Union SMS	M1	23
	M2	20
Union (BS)RJT	M1	19
	M2	19
J1 ¹		38 / 1.5"
J2 ¹		38 / 1.5"

¹ Other dimensions available on request. ESE00272/5

Options

- Impeller with reduced diameter.
- Inlet and outlet with flanges.
- Product wetted seals of EPDM, FPM or NBR.
- Rotating seal ring of Silicon Carbide.

Ordering

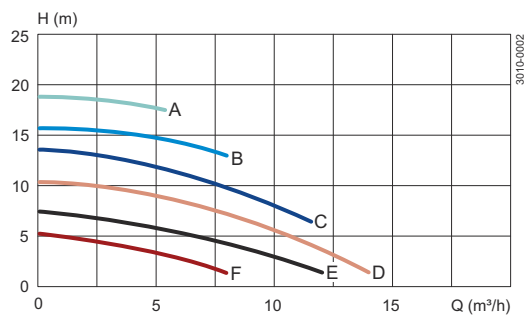
Please state the following when ordering:

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

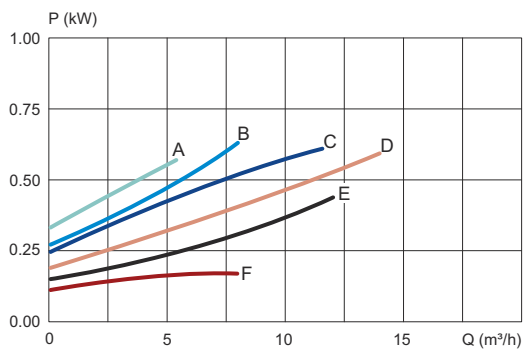


Note! For further details see also instruction ESE02002.

Volumetric flow



A = 115 D = 85
 B = 105 E = 75
 C = 95 F = 65



A = 115 D = 85
 B = 105 E = 75
 C = 95 F = 65

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200006077-1-EN-GB

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