

MB 100



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DEBEM
MADE IN ITALY

HORIZONTAL CENTRIFUGAL PUMPS

Product designed and constructed in Italy

Constructed in polypropylene or PVDF

Under head use

Weld-free

Usable with fluids containing suspended solids

Extremely easy to maintain

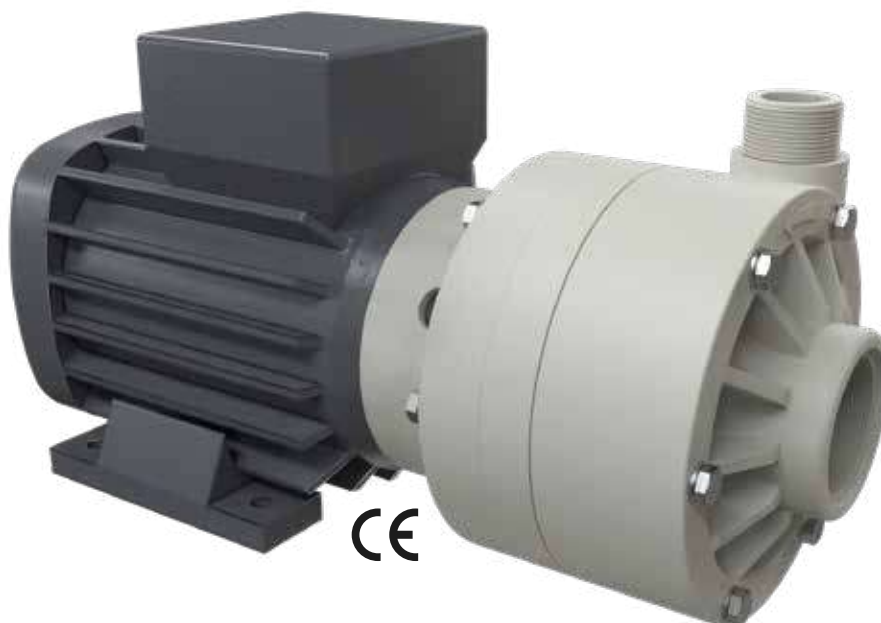
Suitable for continuous use

Available with:

- Mechanical bellows seal (new generation "Self-locking" system)

Aisi 304 spring - Seal ring in SILICON CARBIDE + CERAMIC / SILICON CARBIDE + SILICON CARBIDE

- Lip seal: VITON® or EPDM



MB PUMPS CODES ENCODING

ex. MB080--P-TLVN

MB 80 PP, Viton® lip seal, three-phase motor.

MB80	P	TLV	N
PUMP MODEL	PUMP PUMP	TYPE OF SEAL	MOTOR
MB 80 - MB 80 MB 100 - MB 100 MB 110 - MB 110 MB 120 - MB 120 MB 130 - MB 130 MB 140 - MB 140 MB 150 - MB 150 MB 155 - MB 155 MB 160 - MB 160 MB 180 - MB 180	P - Polypropylene FC - PVDF+CF	TLV - Viton® lip seal TLD - EPDM lip seal TSV - Viton® bellows seal TSD - EPDM bellows seal	N* - Three-phase motor M - Single-phase motor A - ATEX motor

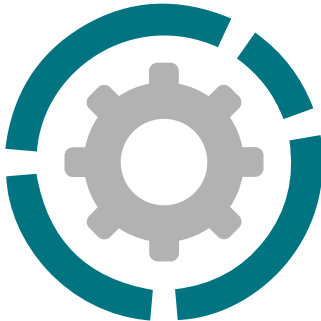
* Three-phase asynchronous eurotension motor fitted as standard (2 poles) 50Hz

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HORIZONTAL CENTRIFUGAL PUMPS



Specifications and types



Suction fittings	G 1 1/2 f or DN 40
Delivery fittings	G 1" m or DN 25
Max flow rate	9 m3/h
Max head	10.5 m
Viscosity up to	500 cps
Standard open impeller	Ø 97 mm H 12 mm *
Passing solids	Ø max 7 mm

* Special versions are available on request for the fluid pumped

PP



Pump casing construction material, operating temperature and net weight

Polypropylene (with glass additive)	1.7 Kg*
	Max 3°C min.
	65°C max
PVDF (with carbon additive)	2.2 Kg*
	Max 3°C min.
	95°C max

* The weights refer to the pump without the motor

Standard electric motor:

Kw	0.55
HP	0.75
Box	B3 + B14
RPM	2900

THREE-PHASE 230/400 V

50/60 Hz

2 poles

Efficiency class IE1

IP55 protection rating

Ambient temperature -30°C + 45°C

Aluminium/Cast iron

SINGLE-PHASE on request

ATEX on request

PVDF



MAIN APPLICATION SECTORS



AUTOMOTIVE



CHEMICAL INDUSTRY



WATER AND SLUDGE
TREATMENT



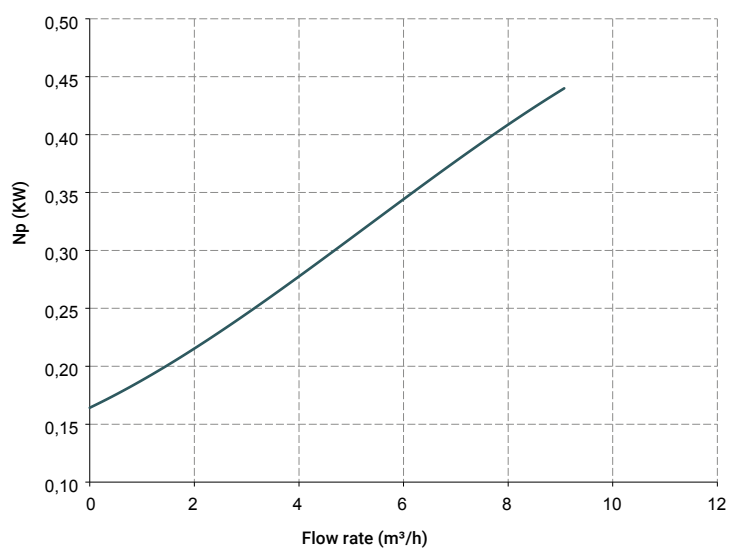
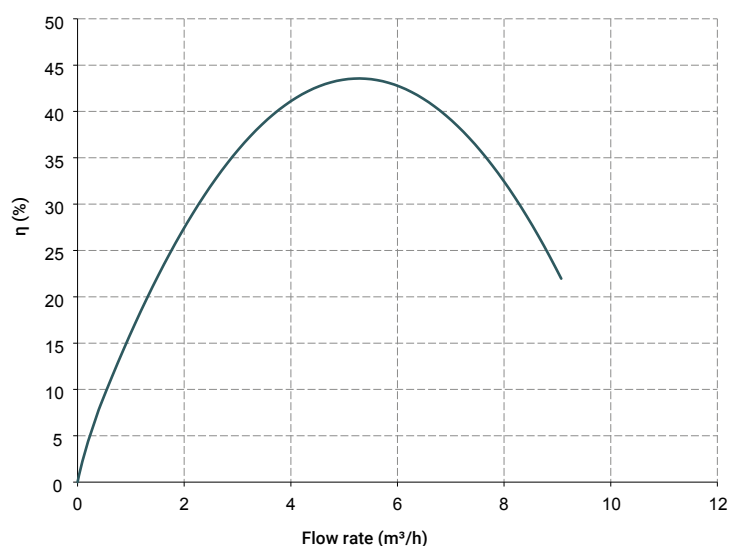
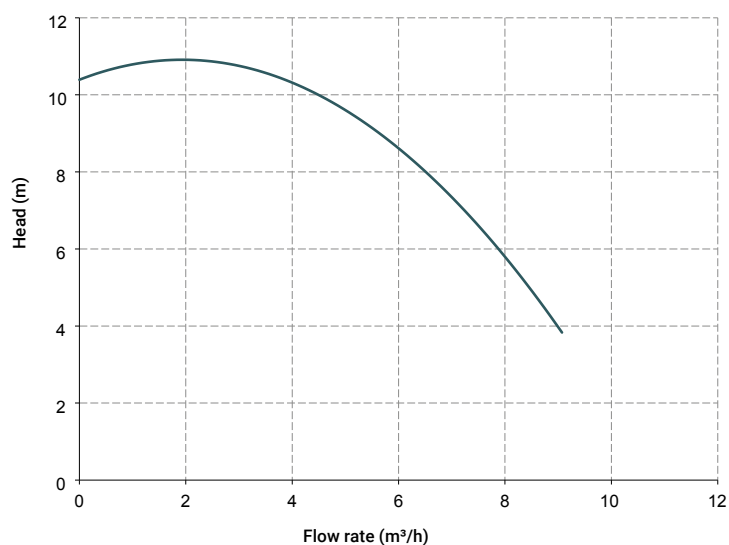
GALVANIC AND ELECTRONIC
INDUSTRY

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HORIZONTAL CENTRIFUGAL PUMPS



Specifications and types



The curves and the performances refer to pumps with open delivery outlet, with water at 20°C, 50 Hz two-pole motor [2900 RPM].

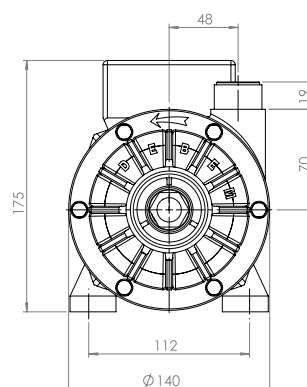
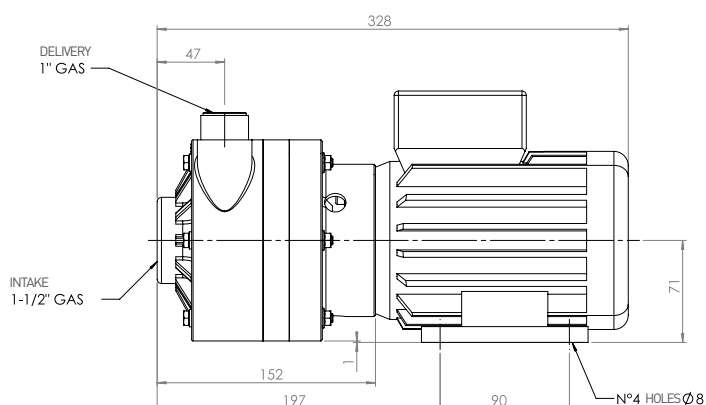
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HORIZONTAL CENTRIFUGAL PUMPS

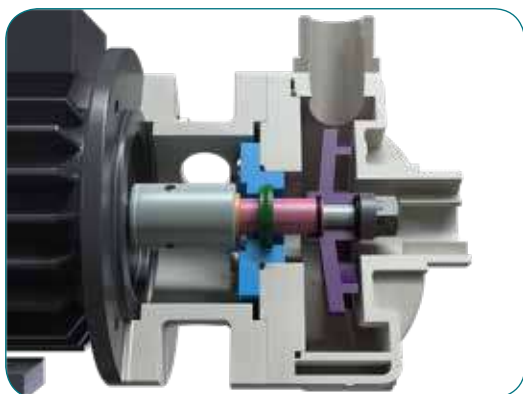


Specifications and types

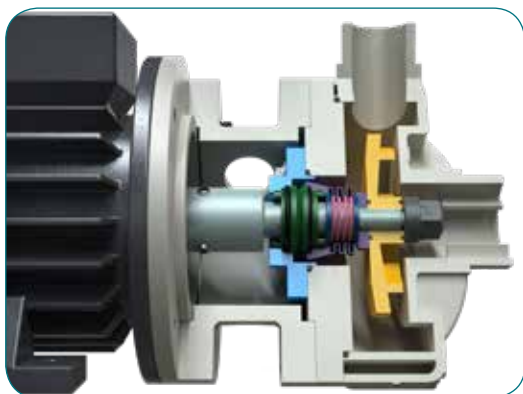
Pump	Motor power
MB 80	0.37 Kw - 0.5 HP
MB 100	0.55 Kw - 0.75 HP
MB 110	1.1 Kw - 1.5 HP
MB 120	1.5 Kw - 2 HP
MB 130	2.2 Kw - 3 HP
MB 140	3 Kw - 4 HP
MB 150	4 Kw - 5.5 HP
MB 155	5.5 Kw - 7.5 HP
MB 160	7.5 Kw - 10 HP
MB 180	11 Kw - 15 HP



TL = lip seal



TS = bellows seal



UNDER HEAD USE

Seal o-ring materials:

- EPDM
- VITON®

Package:

- wooden crate
- cm 50 x 25 x 35 – weight 7 Kg
- (The weight refers to the package only, without the pump)

Accessories

FLANGE KIT (DIN standard - ANSI available on request):

- KITFLANGMB100P (POLYPROPYLENE)
- KITFLANGMB100F (PVDF)

Polypropylene or PVDF basket strainers