

DM 15

MAGNETIC DRIVE CENTRIFUGAL PUMPS



- Product designed and constructed in Italy
- Constructed in Polypropylene or PVDF
- Under head use
- Extremely easy to operate and maintain
- Suitable for continuous use



DM PUMPS CODES ENCODING

e.g. DM10P-SD1BE071

DM10 PP, standard thrust bearing, O-Ring EPDM, impeller \varnothing 98 mm, BSPP fitting, MEC motor flange, 071 casing.

DM10	P	S	D	1	B	E	071	T
PUMP MODEL	PUMP BODY	THRUST BEARING	O-RING	IMPELLER	FITTING	MOTOR FLANGE	CASING	MOTOR
DM06 DM10 DM15 DM30	P - Polypropylene FC - PVDF+CF	S - Standard (ceramic + PTFE Graphite)	D - EPDM V - Viton®	DM06 1= \varnothing 81 mm 2= \varnothing 70 mm 3= \varnothing 65 mm DM10 1= \varnothing 98 mm 2= \varnothing 85 mm 3= \varnothing 70 mm DM15 1= \varnothing 123 mm 2= \varnothing 108 mm 3= \varnothing 90 mm DM30 1= \varnothing 134 mm 2= \varnothing 122 mm 3= \varnothing 110 mm	N - NPT B - BSPP	E - MEC U - NEMA*	DM06 063 071 DM10 071 080 DM15 090 DM30 090 100 112	M - Single-phase** T - Three-phase A - ATEX** S - Without Motor

* Only pump available, with American flange, for coupling with NEMA motor

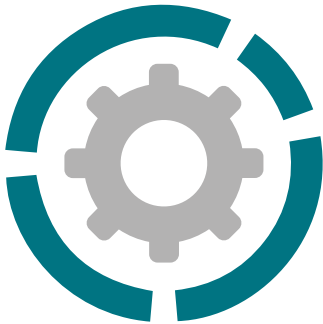
**On request

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Specifications and types



Suction fittings	1" 1/2 f BSPP or DN 40 - NPT
Delivery fittings	1" 1/4 m BSPP or DN 32 - NPT
Max flow rate	23,5 m3/h
Min flow rate	2 m3/h
Max head	20 m
Viscosity up to	150 cps

PP



Standard electric motor:

Kw 1,5 HP 2

Casing B3+B5

RPM 2900

Three-phase 230/400 V - 50/60 HZ

2 Poles IE3 Protection IP55

Ambient temperature -30°C + 45°C

Kw 2,2 HP 3

Casing B3+B5

RPM 2900

Three-phase 230/400 V - 50/60 HZ

2 Poles IE3 Protection IP55

Ambient temperature -30°C + 45°C

PVDF



Kw 1,5 HP 2

Casing B3+B5

RPM 2900

Single-phase

Ambient temperature -30°C + 45°C

Kw 2,2 HP 3

Casing B3+B5

RPM 2900

Single-phase

Ambient temperature -30°C + 45°C

IMPELLER	Motor 1,5 Kw (2 HP)	Motor 2,2 Kw (3 HP)
Ø 123 mm (Standard)	up to 1,1 g/cm ³	up to 1,8 g/cm ³
Ø 108 mm	up to 1,6 g/cm ³	up to 2 g/cm ³
Ø 90 mm	up to 2 g/cm ³	up to 2 g/cm ³

Operating temperatures** and weights:

PP	from 0°C to + 70°C, 2,2 Kg*
PVDF	from -10°C to + 100°C, 2,5 Kg*

*The weights refer to the pump without the motor

**Measurements should be taken with agitated water; temperatures may vary depending on the conditions of the system and/or the processed liquid

Electric motors available on request:

SINGLE-PHASE

ATEX

NEMA 56C*/NEMA 145 TR

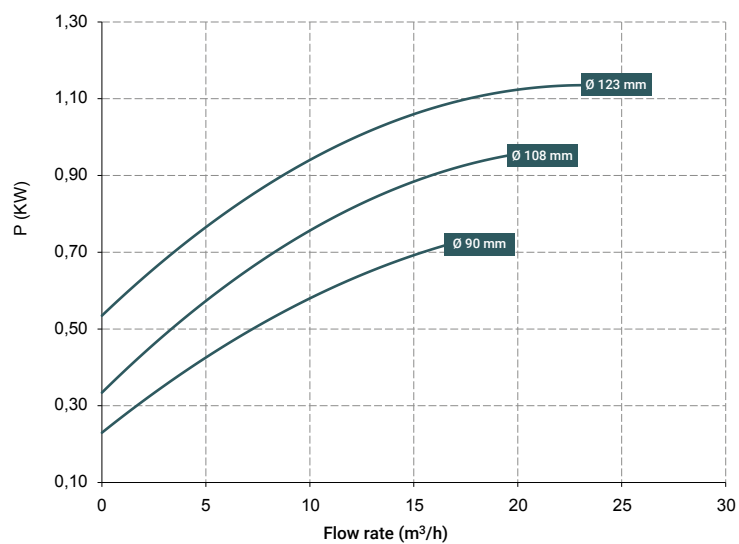
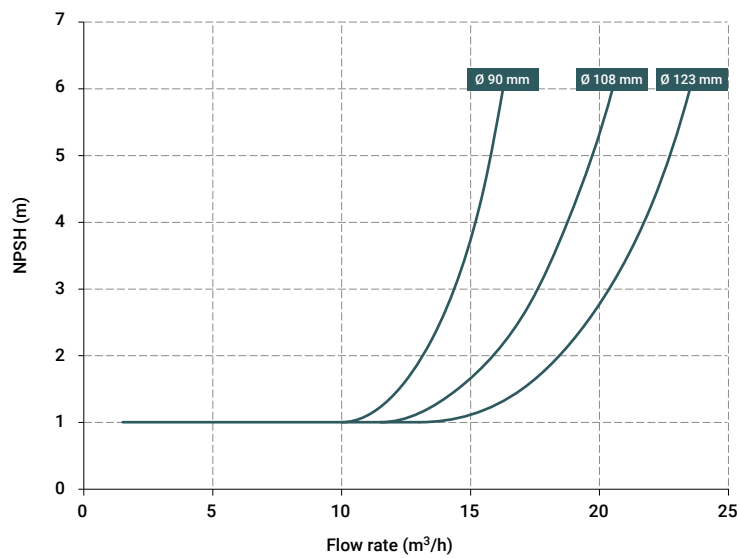
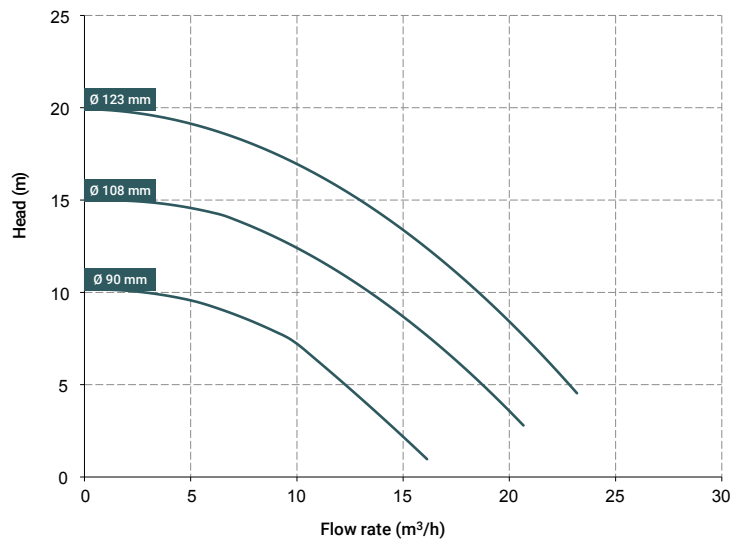
*(Only pump available, with American flange, for coupling with NEMA motor - the motor is not included in our standard)

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Specifications and types



The curves and performances refer to tested pumps, with water at 20 °C, two-pole motor 50 Hz (2900rpm).

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Specifications and types

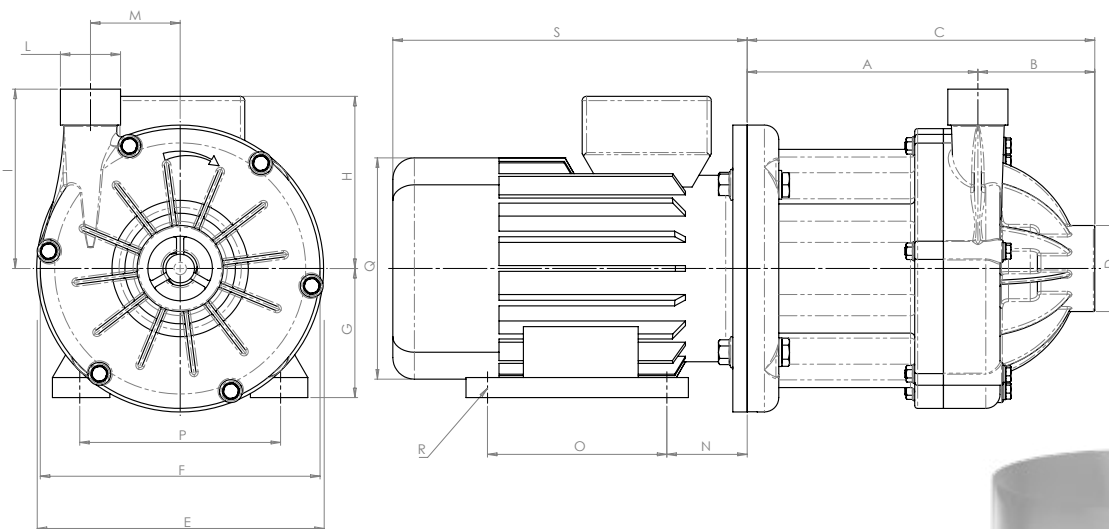
Length measurements in mm

MODEL	CASE	POWER	A	B	C	D	E*	F*	G*	H*	I	L	M	N*	O*	P*	Q*	R*	S*
DM15	IEC 90	1,5 Kw	160,8	81,5	242,3	1"1/2 f(**)	200	195	90	138	125	1"1/4 m(**)	62,5	56	100	140	167	10	250
DM15	IEC 90	2,2 Kw	160,8	81,5	242,3	1"1/2 f(**)	200	195	90	138	125	1"1/4 m(**)	62,5	56	125	140	167	10	275
DM15	NEMA 145TC***	3 Hp	160,8	81,5	242,3	1"1/2 f(**)	-	195	-	-	125	1"1/4 m(**)	62,5	-	-	-	-	-	-

* Measurements may vary depending on the motor supplier.

** NPT or BSPP gas

***Warning: if you decide to combine the pump with a NEMA motor, the pump is delivered with a suitable coupling flange, but not the NEMA motor, which is not included in our standard supply.



Sealing O-ring materials:

- EPDM
- VITON®

Packaging:

- Pump with 1,5 Kw motor
- Wooden case size 58 x 28 x 42 cm - Weight 10 Kg
(the weight refers only to the packaging without the pump inside)
- Pump with 2,2 Kw motor
- Wooden case size 64 x 28 x 42 cm - Weight 10 Kg
(the weight refers only to the packaging without the pump inside)

Accessories:

- Flange kit (DIN flanges - ANSI on request)



UNDER HEAD USE

MAIN APPLICATION SECTORS



AUTOMOTIVE



CHEMICAL INDUSTRY



GALVANIC AND ELECTRONIC INDUSTRY



WATER AND SLUDGE TREATMENT

● DM06 ● DM10 ● DM15 ● DM30