

# **MAGSON MA**

Magnetically coupled centrifugal pumps made of PP / ETFE Type 5/5H





## MA type 5/5H



• execution with thread adapter

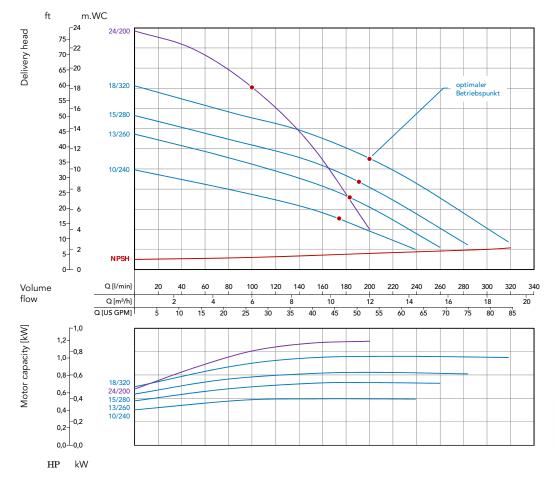


- without shaft seal
- streamlined spiral housing made of PP or ETFE
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- } @bnoc@Zµì @[} ŀ½vyǔ ∑ŀ Œ ě Ť ˈ
- back pull-out



For all advantages of MAGSON pump series see main catalogue.

#### **Performance curves**



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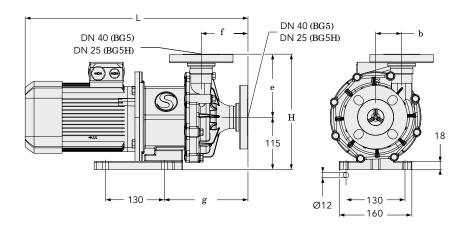
Technical data MA	Type 5					Type 5H		
Size	10/240	13/	260	15/	280	18/	320	24/200
Materials *	PP (glass-fiber reinforced) / ETFE (carbon-fiber reinforced)					•		
Max. delivery head in [m.WC] at 50 Hz	10	13 15		18		10		
Max. volume flow in [l/min] at 50 Hz	240	2	60	280		320		240
Max. density in [g/cm³] at 50 Hz **	1.8	1.3	2.0	1.2	1.7	1.0	1.5	1.25
Motor capacity in [kW]	0.75	0.75	1.1	0.75	1.1	0.75	1.1	1.1
Current rating (400 V, 50 Hz) in [A]	1.56	1.56	2.25	1.56	2.25	1.56	2.25	2.25
Rated speed in [rpm] at 50 Hz / 60 Hz	3000 /3600							
Suction port	DN 40 (alternative G 2 1/4") DN 25 ***					DN 25 ***		
Discharge port	DN 40 (alternative G 2 1/4") DN 25 **					DN 25 ***		
Voltage in [V]	230 / 400 V three-phase AC							
Protection class	IP 55							
Max. flow velocity in [m/s]	suction side = 1 / discharge side = 3							
Max. temperature for PP / ETFE in [°C]	70 / 80							
Max. system pressure for PP / ETFE at 20 °C in [bar]	3.2							

<sup>\*</sup> Material used for housing, impeller unit and rear casing: (sheath of inner magnet made of PP without fiber reinforcement)

<sup>\*\*\*</sup> alternative G 1 1/2"

Abmessungen	BG5				BG5H
Size	10/240	13/260	10/240	13/260	24/200
Dimension b [mm]		57.5			65
Dimension e [mm]	139			145	
Dimension f [mm]	103			90	
Dimension g [mm]	184			173	
Dimension H [mm]	254				260

Motor dimensions may differ according to manufacture.





Materials and much more

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<sup>\*\*</sup> approx. value at max. volume flow (higher density possible when flow rate is reduced)

## For all types of connections

No matter which type of connection you have – MAGSON is the perfect solution, even in that case.

Conventional centrifugal pumps usually follow a connection form. Either you have flange connections acc. to DIN (or ANSI) or a thread connection (internal or external thread). You have then to adapt your system to the pump, order the pump according to your requirements (usually with longer delivery time and higher costs than standard version) or create a complex transfer piping between the system and the pump. MAGSON also offers the ideal solution for all

#### MA with loose flange: perfect connection at flanges

No matter how the drilling pattern of the pipeline comes to rest after completion, thanks to the loose flange on the MAGSON you can connect directly. Simply turn the loose flange on the pump until it matches the pipe and you can screw it down.

Moreover, it does not matter if your pipeline is designed according to DIN or ANSI. MAGSON always fits!

#### MA with thread adapter: the universal

MAGSON magnetic centrifugal pumps go a step further; also here: with the standards supplied threaded adapters, you can adapt pumps to the standardized coupling nuts in standards dimensions. We also ensure that the pipeline has a sufficiently large diameter in order to optimize the flow conditions around the pump. If necessary, we also provide you with an adapter tailored to your needs.

#### MA with hose connections: a round thing

And if it has to be flexible there is also the hose connection. Thus all types of connections are available, which makes the connection to your system as simple as possible.

All details described at page 4.



#### MA with loose flange

Loose flanges are preassambled.



#### MA mit thread adapter

Threaded adapters are supplied as standard and can be mounted as required



## **Accessories to MAGSON pumps**

#### **Motor accessories**

- ON/OFF switch with 2.5 m cable and plug (230 V AC only)
- $\bullet$  5 m three-phase connection cable with CEE plug of 5  $\times$  16 A, fully assembled
- Frequency converter of IP class 65, mounted directly to the motor or for wall mounting
- Electronic monitoring system to always optimize the availability of your pump

### Slip-on flanges

To screw onto threaded ports including O-Rings. All MAGSON MA and MAS types 4, 5 and 6 as well as types 4H, 5H and 6H are equipped with slip-on flanges and additional loose thread adapters delivered with the pump.

Туре	Nominal diamter of suction port	Nominal diamter of discharge port	Material of PP	Material of ETFE
MA types 2 / 3, MAS type 4, MA (types 4H, 5H and 6H)	DN 25 PN 10	DN 25 PN 10	•	•
MA types 4 / 5, MAS type 5	DN 40 PN 10	DN 40 PN 10	•	•
MA type 6	DN 50 PN 10	DN 40 PN 10	•	•
MAS type 6	DN 50 PN 10	DN 50 PN 10	•	•

<sup>•</sup> Standard (off the shelf)

#### **Hose connections**

Three-piece hose connections with spigot nut and hose nipple.

Connection	Hose nipple	to suction port	to discharge port	
1 ½" thread	1"			
	1 1/4"	MA types 2 / 3 + 4H-6H, MAS type 4	MA types 2 / 3 + 4H-6H, MAS type 4	
	1 ½"	······································	ı o type ı	
2 ¼" thread	1 ½"	MA torres 4 / F MAC torres F	MA types 4 / 5 / 6	
	2"	MA types 4 / 5, MAS type 5		

### **Thread adapters**

to screw onto threaded ports including O-rings connecting with insert fitting and spigot nut

Туре	Nominal diamter of suction port	Nominal diamter of discharge port	Material of PP	Material of PVDF
MA types 2 / 3, MAS type 4, MA (types 4H, 5H and 6H)	DN 25 PN 10	DN 25 PN 10	•	•
MA types 4 / 5, MAS type 5	DN 40 PN 10	DN 40 PN 10	•	•
MA type 6	DN 50 PN 10	DN 40 PN 10	•	•
MAS type 6	DN 50 PN 10	DN 50 PN 10	•	•

Also available are port seals, shut-off and check valves etc. suitable to any MAGSON pump. Our product specialists will be glad to help you!

### Contact us

Thanks to our wide distribution network with 13 sites in Germany, you will  $[ [x [\mu I \frac{3}{4}]] : \gamma [ \frac{1}{4}] ] : \gamma [ \frac{1}{$ 

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#### 3 Hanover/Kassel/Magdeburg

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#### 4 Bremen/Munster

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#### 5.2 Northeast North Rhine-Westphalia

#### 6 Hesse

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