


DIAPHRAGM PUMPS

MIDGETBOX

MADE IN ITALY 

- **Product of Italian origin**
- **Patented** stall protection pneumatic circuit
- Works with **non**-lubricated air
- **Self priming**
- Possibility of adjusting the pumping speed
- Versatility of use
- Broad choice of materials that are compatible with the fluid to be pumped
- Idles without damage
- Particularly suitable for heavy duty applications
- High performance
- High power and sturdiness
- Available with NPT fittings (*on request*)
- Suitable for pumping high viscosity fluids
- Can be set up in tight spaces
- Atex zone 1 (*on request*) - Atex zone 2 standard
- Can be ceiling-mounted
- **Midgetbox - the smallest pneumatic pump for chemical industry on the mark**
- Continuous operation: YES
- Warranty: 1 year - according to our general conditions of sale
- Spare parts: to identify the spare parts check the exploded views provided at the end of the operation and maintenance manual



 **STANDARD:** II 3/3 GD c IIB T135°C (zone 2)
CONDUCT: II 2/2 GD c IIB T135°C (zone 1)

Intake/delivery connections G 1/4" f (*) - flow rate 5 l/min

Construction materials PP - PP+CF

(*) NPT connections on request

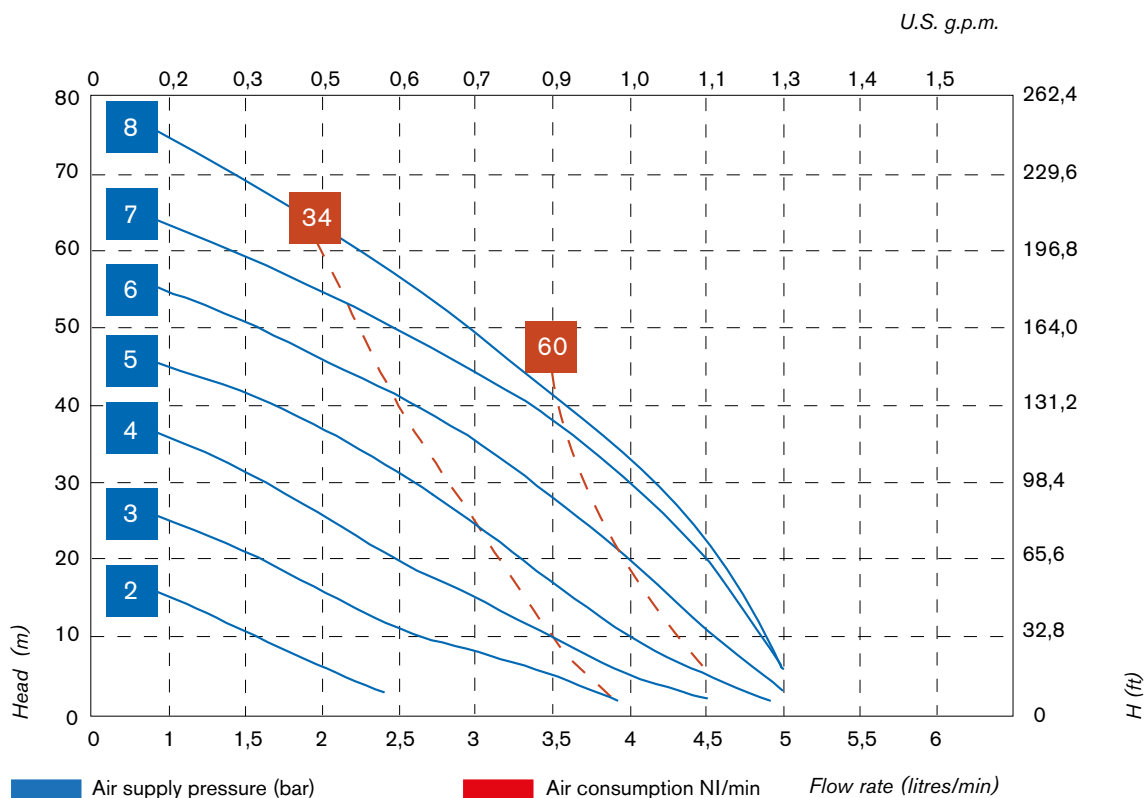


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Ex STANDARD: II 3/3 GD c IIB T135°C (zone 2)
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* The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material. ** Attention: the average values of the various configurations of materials by ball and ball seats. *** The value depends on the configuration of the pump.

Guaranteed head/flow rate according to ISO 9906

Intake/delivery connections	G 1/4" f (*)
Air connection	G 1/8" f
Max. flow rate*	5 l/min
Max. air supply pressure	8 bar
Max. head*	80 m
Max. self-priming capacity**	3 m
Max. stored neg. suction	9,5
Max. diameter of passing solids	0 mm
Noise***	60 dB
Displacement per cycle	3,2 cc
Max. viscosity	800 cps

(*) NPT connections on request

Construction materials and net weight	PP	0,5 Kg	Temp. 3°C min.	65°C max.
	PP+CF	0,5 Kg	Temp. 3°C min.	65°C max.

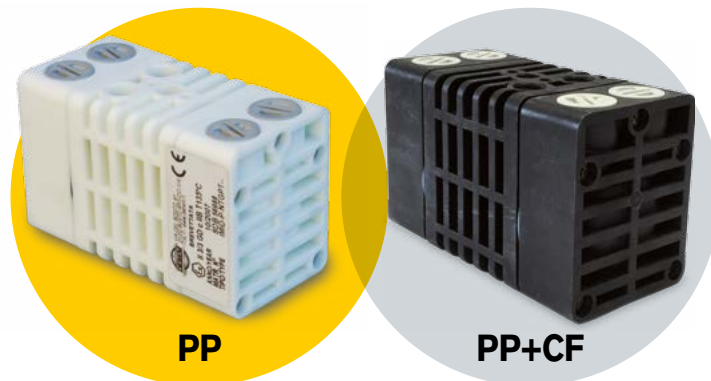
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AVAILABLE MATERIALS

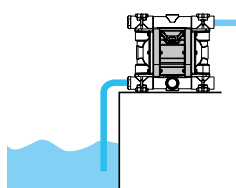


PP

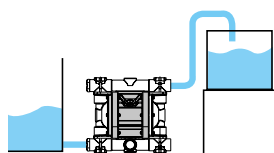
PP+CF

INSTALLATION

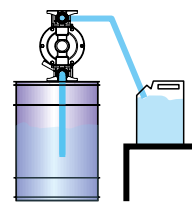
SELF PRIMING



POSITIVE SUCTION HEAD

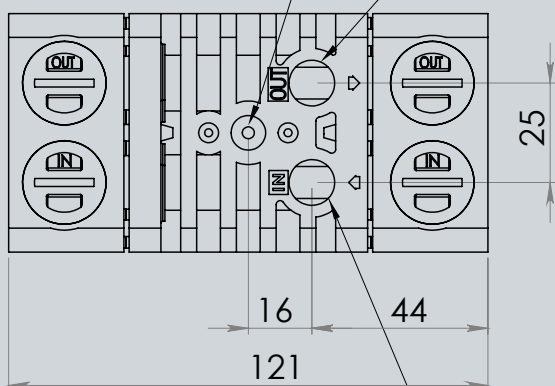


DRUM TRANSFER



MID
PP/PP+CF

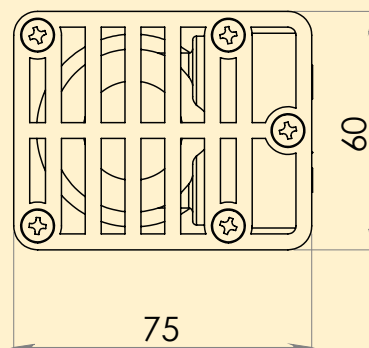
1/8" G AIR CONNECTION 1/4" G DELIVERY



1/4" G INTAKE

MID
PP/PP+CF

(Dimensions in mm)



Packaging: cardboard box - 18.5 x 13 x 18 cm-weight: 0.2 Kg
 (the weight only refers to the packaging without the pump in it).

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CUBIC COMPOSITION CODE

ex. **IMID-P-NTGRT**

Internal Exchanger, MIDGETBOX, body PP, air side diaphragm NBR, fluid side diaphragm PTFE, balls PYREX, ball seats PPS-V, O-Ring in PTFE.

I	MID	P -	N	T	G	R	T	-
INTERNAL EXCHANGER	PUMP MODEL	PUMP BODY	AIR SIDE DIAPHRAGM	FLUID SIDE DIAPHRAGM	BALLS	BALL SEATS	O-RING	CONDUCT VERSION
I	MID - Midgetbox (available only PP/PP+CF)	P - Polypropylene PC - PP+CF	N - NBR	T - PTFE	G - Pyrex A - AISI 316	R - PPS-V K - PEEK	T - PTFE	C

PRODUCT APPLICATION

