

DIAPHRAGM PUMPS


BOXER 502

MADE IN ITALY



- **Product of Italian origin**
- **Patented** stall protection pneumatic circuit
- Works with **non**-lubricated air
- **Self priming**
- Idles without damage
- Possibility of adjusting the pumping speed
- Versatility of use
- Broad choice of materials that are compatible with the fluid to be pumped
- Particularly suitable for heavy duty applications
- Atex zone 1 (*on request*) - Atex zone 2 standard
- Customisable suction/delivery fitting position (*on request*)
- Available with reinforcement rings (*on request*)
- Available with NPT fittings (*on request, only for stainless steel pumps*)
- Available with clamp / din connections (*on request, only for stainless steel pumps*)
- Diaphragms with "long life" profile
- Diaphragms in various materials
- Suitable for pumping high viscosity fluids
- High performance
- High power and sturdiness
- 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 2" f o DN 50 (*) - flow rate 650 l/min

Construction materials Alu - AISI 316

(*) NPT connections on request



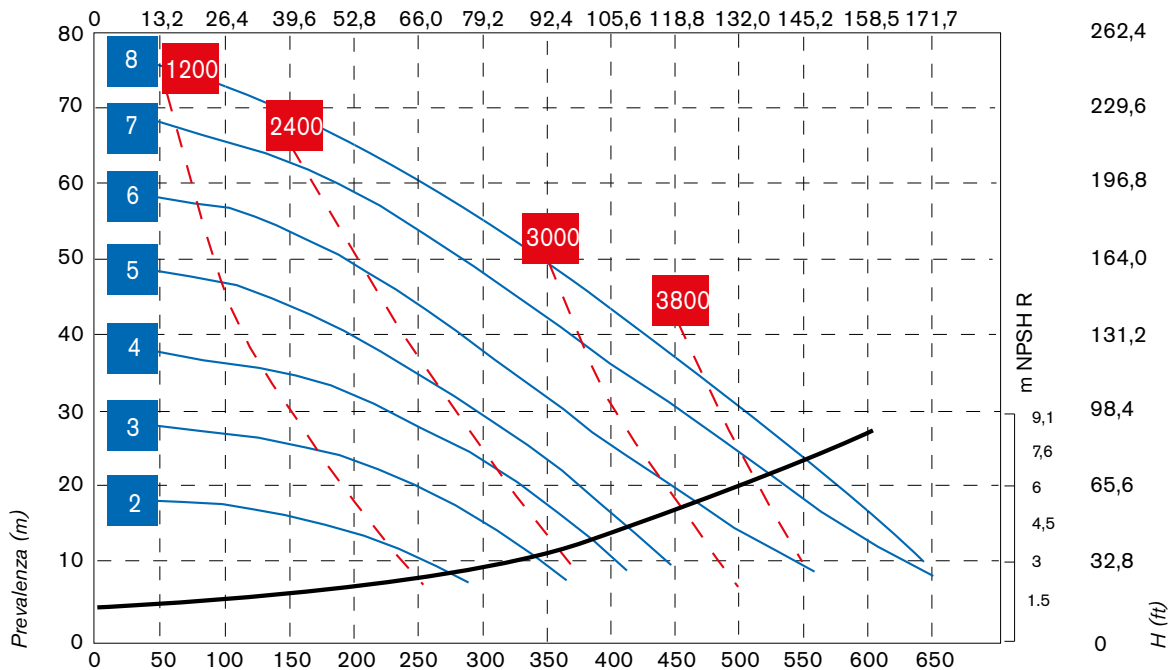
DIAPHRAGM PUMPS

BOXER 502



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

Q (U.S. g.p.m.)



■ Air supply pressure (bar) ■ Air consumption NI/min Flow rate (litres/min)

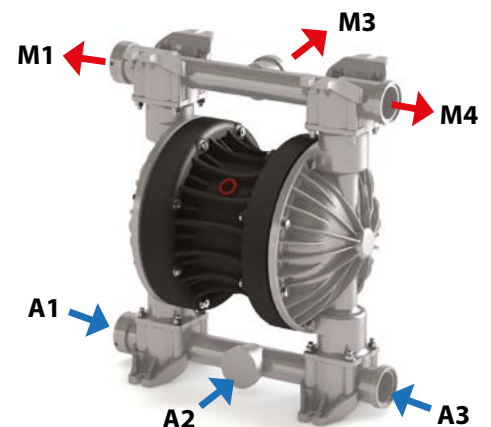
* The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material. ** Attention: the average values of the various configurations of materials by ball and ball seats. *** The value depends on the configuration of the pump.

Guaranteed head/flow rate according to ISO 9906

Intake/delivery connections	G 2" f o DN 50 (*)
Air connection	G 1/2" f
Max. flow rate*	650 l/min
Max. air supply pressure	8 bar
Max. head*	80 m
Max. self-priming capacity**	5 m
Max. stored neg. suction	9,5
Max. diameter of passing solids	8 mm
Noise***	80 dB
Displacement per cycle	1.825 cc
Max. viscosity	50.000 cps

(*) NPT connections on request

Construction materials and net weight	Alu	49 Kg	Temp. 3°C min.	95°C max.
	AISI 316	54 Kg	Temp. 3°C min.	95°C max.



BOXER 502 (Alu):
 A1-A2-A3-A4-M1-M2-M3-M4

BOXER 502 (AISI 316): A2-M3

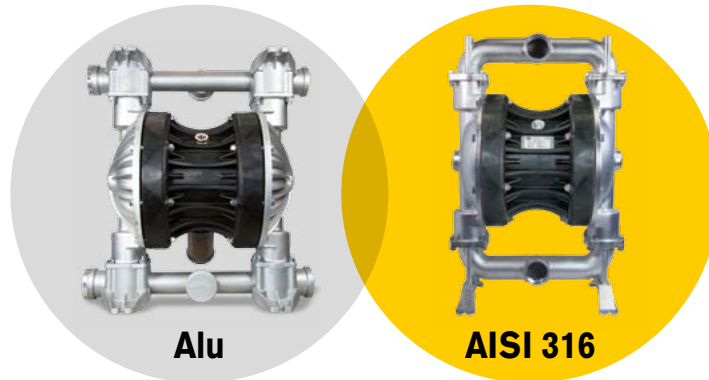
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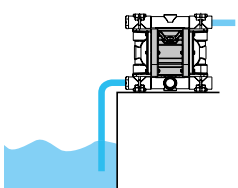
Ex STANDARD: II 3/3 GD c IIB T135°C (zone 2)
 CONDUCT: II 2/2 GD c IIB T135°C (zone 1)

AVAILABLE MATERIALS

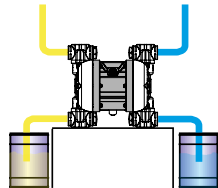


INSTALLATION

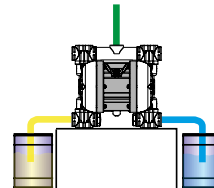
SELF PRIMING



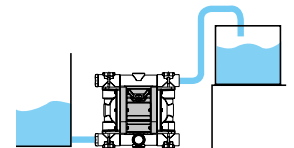
TWIN SUCTION AND DELIVERY MANIFOLD*



TWIN SUCTION MANIFOLD*



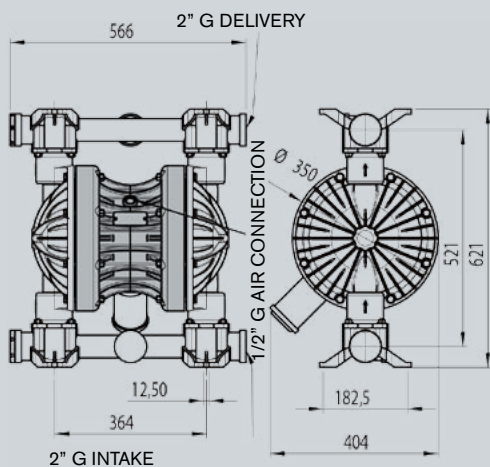
POSITIVE SUCTION HEAD



* Not available on BOXER 251 AISI 316.

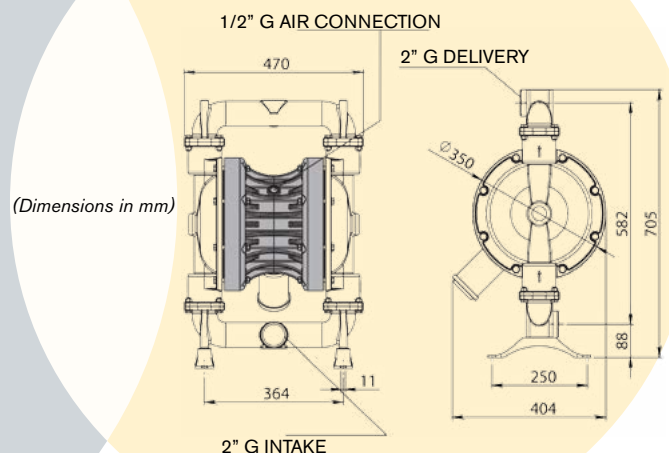
B502

Alu



B502

AISI 316



Packing for Alu pump: wooden case - 64 x 58 x 36 cm - weight 27 Kg (the weight only refers to the packaging without the pump in it).

Packing for AISI 316 pump: wooden case - 71 x 47 x 38 cm - weight 25 Kg (the weight only refers to the packaging without the pump in it).

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BOXER COMPOSITION CODE

ex. **IB502 - A - HT - T - A - V**

Internal Exchanger, Boxer 502, body AISI 316, air side diaphragm Hytrel, fluid side diaphragm PTFE, balls PTFE, ball seats AISI 316, O-Ring in Viton

I	B502 -	A -	H	T	T	A	V	-	-
INTERNAL EXCHANGER	PUMP MODEL	PUMP BODY	AIR SIDE DIAPHRAGM	FLUID SIDE DIAPHRAGM	BALLS	BALL SEATS	O-RING	TWIN MANIFOLD	CONDUCT VERSION
I	B502 - Boxer 502	AL - Alu A - AISI 316	H - Hytrel M - Santoprene D - EPDM N - NBR	T - PTFE*	T - PTFE A - AISI 316 D - EPDM N - NBR	A - AISI 316 L - Alu I - HMWHDPE	T - PTFE D - EPDM V - Viton N - NBR	X	C

*) Cover diaphragms (only on Hytrel and Santoprene diaphragms) cannot be fitted individually.

PRODUCT APPLICATION

