







# BOXER 503

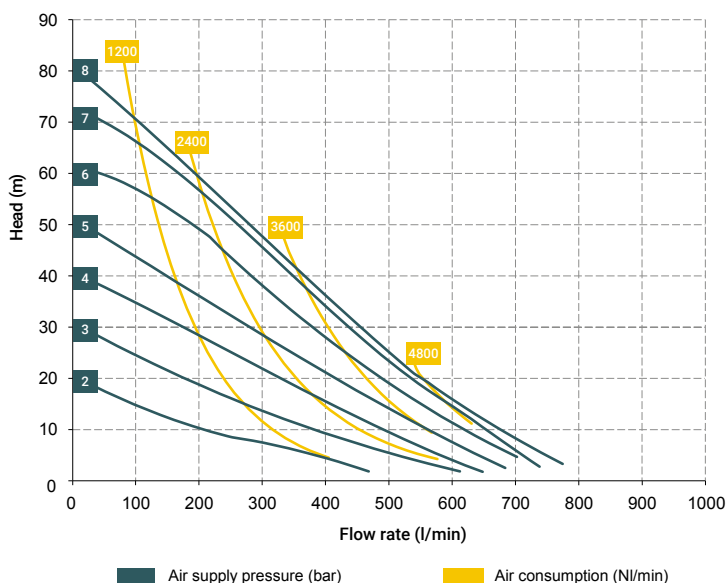
AIR-OPERATED DOUBLE DIAPHRAGM PUMPS



## Specifications and types



STANDARD: II 3G Ex h IIB T4 Gc - II 3D Ex h IIIB T135°C Dc X - I M2 Ex h I Mb X  
 CONDUCT: II 2G Ex h IIB T4 Gb - II 2D Ex h IIIB T135°C Db X - Ex h IIB T4 Gb - Ex h IIIB T135°C Db



\*The curves and the performances refer to pumps with immersed suction and open delivery outlet, with water at 20°C and vary based on the composition materials.

### Accessories:

- Equaflex 303  
 (For the dampener materials refer to the relative technical sheet)  
**Polypropylene or PVDF basket strainer with fittings G 3" f/f**

### Foot valve:

- VALVFN000300APP (POLYPROPYLENE)
- VALVFN000300AFV (PVDF)

- Air regulation kit W8000-20-G
- Cycle counter
- Reinforcement rings

### Flange kit (DIN flange - ANSI available on request):

- KITFLANG-B503P (POLYPROPYLENE)
- KITFLANG-B503F (PVDF)
- KITFLANG-B503A (AISI 316)
- KITFLANG-B503AL (ALUMINIUM)

### T40 distributor material (pneumatic circuit):

- POM

### Central material:

- Polypropylene (with glass additive)
- Conductive polypropylene (with carbon additive)

### Diaphragm materials:

- PTFE
- HYTREL
- SANTOPRENE
- NBR
- EPDM

### Caps materials:

- Polypropylene (with glass additive)
- Conductive polypropylene (with carbon additive)
- PVDF
- AISI 316
- Aluminium

### Balls materials:

- PTFE
- AISI 316
- EPDM
- NBR

### O-ring materials:

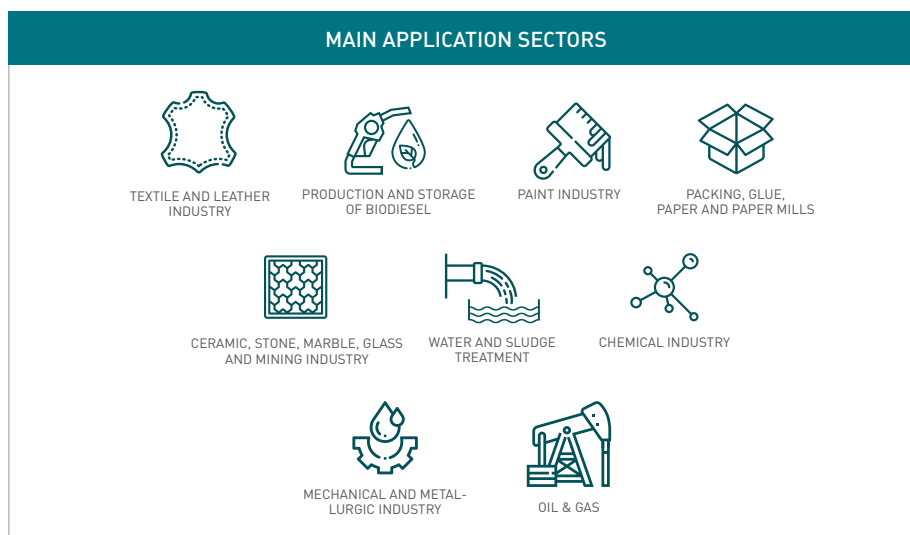
- EPDM
- NBR
- VITON®
- PTFE

### Package:

- wooden crate - cm 83 x 70 x 52 - weight 25 Kg (PP+CF, PP+PVDF)**  
 (the weight refers to the package only, without the pump)
- wooden crate - cm 93 x 68 x 51 - weight 25 Kg (ALU)**  
 (the weight refers to the package only, without the pump)
- wooden crate - cm 94 x 63 x 51 - weight 24 Kg (AISI316)**  
 (the weight refers to the package only, without the pump)

Any chromatic variations in our polypropylene and PVDF products are due to the special mixtures of the raw materials used. The use of high quantities of, respectively, glass and carbon additives, results in a unique aesthetic that does not affect the quality of the product in any way. Quite the opposite, it highlights its highly technological nature, to the benefit of its performance.

## MAIN APPLICATION SECTORS



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## BOXER PUMPS CODES ENCODING

ex. IB50-P-HTTPV--

Internal distributor, Boxer 50, PP casing, Hytrel® air side diaphragm, PTFE product side diaphragm, PTFE balls, PP ball seats, Viton® o-ring.

I	IB50-	P	H	T	T	P	V	-	-
INTERNAL DISTRIBUTOR	PUMP MODEL	DAMPER PUMP	AIR-SIDE DIAPHRAGM	PRODUCT-SIDE DIAPHRAGM	BALLS	BALL SEATS	O-RING	SPLIT MANIFOLD	CONDUCT VERSION
I	<b>B7</b> Boxer 7 <b>B15</b> Boxer 15 <b>MICR</b> Microboxer <b>MIN</b> Miniboxer <b>B50</b> Boxer 50 <b>B81</b> Boxer 81 <b>B90</b> Boxer 90 <b>B100</b> Boxer 100 <b>B150</b> Boxer 150 <b>B251</b> Boxer 251 <b>B252</b> Boxer 252 <b>B502</b> Boxer 502 <b>B522</b> Boxer 522 <b>B503</b> Boxer 503	<b>P</b> - Polypropylene <b>FC</b> - PVDF+CF <b>PC</b> - PP+CF <b>AL</b> - Aluminium <b>A</b> - AISI 316	<b>N</b> - NBR <b>D</b> - EPDM <b>H</b> - Hytrel <b>M</b> - Santoprene	<b>T</b> - PTFE	<b>T</b> - PTFE <b>A</b> - AISI 316 <b>D</b> - EPDM <b>N</b> - NBR	<b>P</b> - Polypropylene <b>F</b> - PVDF <b>A</b> - AISI 316 <b>I</b> - PE-UHMW <b>R</b> - PPS-V <b>L</b> - Aluminium	<b>D</b> - EPDM <b>V</b> - Viton® <b>N</b> - NBR <b>T</b> - PTFE <b>S</b> - Silicone	<b>X*</b> <b>3*</b> <b>Y*</b> <b>J*</b> <b>W*</b>	<b>C*</b> <b>Z*</b>

\*X = split manifold

\*3 = 3° central hole on manifold

\*Y = "NPT" thread

\*J = spacer on shaft

\*W = clamp manifold

(all only on request)

C = version CONDUCT for standard ATEX ZONE 1 Ex II 2/2GD c IIB T135°C

Z = version for standard IECEx

(both only on request)

SELF-PRIMING USE



UNDER HEAD USE

