

CUBIC AND BOXER DIAPHRAGM PUMPS



CUBIC and BOXER diaphragm pumps are known for their high performance, power and sturdiness that make them suitable for pumping fluid with a very high apparent viscosity, of up to 50.000 cps (at 20° C) even when suspended solid parts are present.

The dry suction capacity from considerable suction heights when the pump is not flooded, together with the possibility to fine-tune the speed without a loss in pressure, flow rate and head, and the possibility of loadless operation without causing any damage, make these pumps extremely versatile.

The vast choice of composition materials allows you to determine the best chemical compatibility with the fluid and/or the environment without neglecting the temperature aspect.

Their construction makes them particularly suitable for severe environments with high humidity or in potentially explosive environments (ATEX certification).

QUALITIES.....

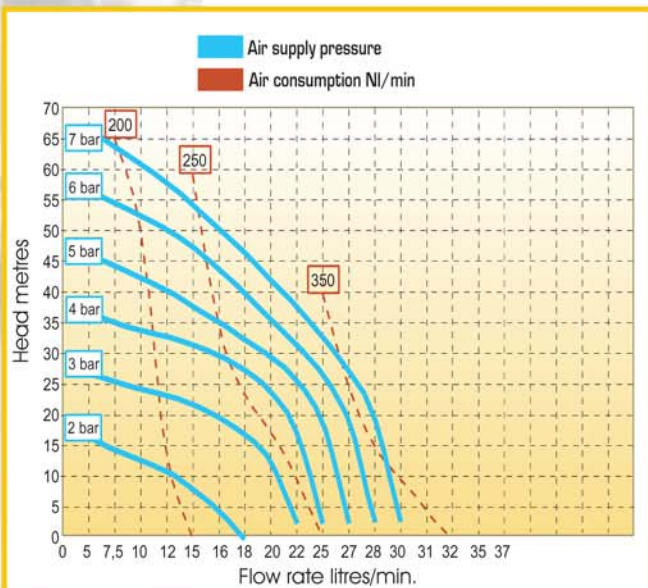


MICROBOXER

1/2" connections



PERFORMANCE

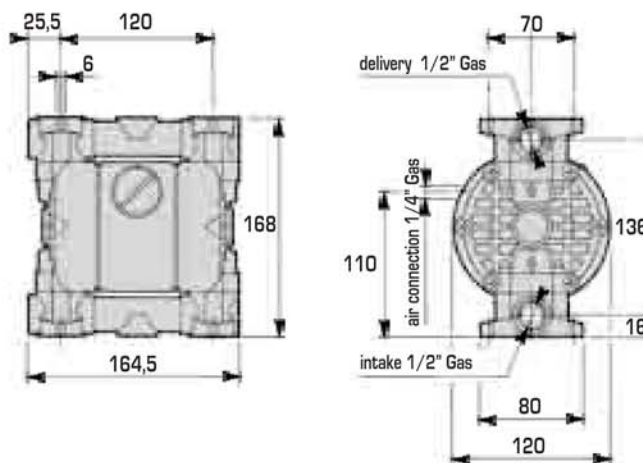


| | |
|---|--|
| Intake/delivery connections | G 1/2" |
| Air connection | G 1/4" |
| Max. dry suction capacity* | 5 m |
| Max. flow rate* | 30 l/min |
| Max. head* | 70 m |
| Max. air supply pressure | 7 bar |
| Max. diameter of passing solids (spherical particles) | 2 mm |
| Net weight | PP 1,6 Kg (zone 2) 60°C Max. Temp. ECTFE 1,9 Kg (zone 2) 95°C Max. Temp. Alu - Kg (zone 2) 95°C Max. Temp. Aisi 316 - Kg (zone 2) 95°C Max. Temp. |
| Construction materials | PP - ECTFE - Alu - Aisi 316 |

* 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.

TECHNICAL DATA..

DIMENSIONS



The dimensions shown are in millimetres, are indicative and are not binding; ask for the specific drawing.

1/2" connections

MINIBOXER



Aisi 316



PP



ECTFE

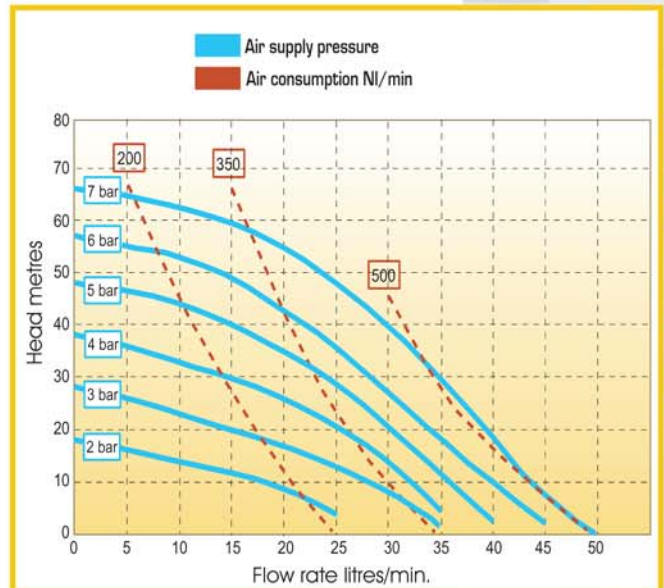


ALU

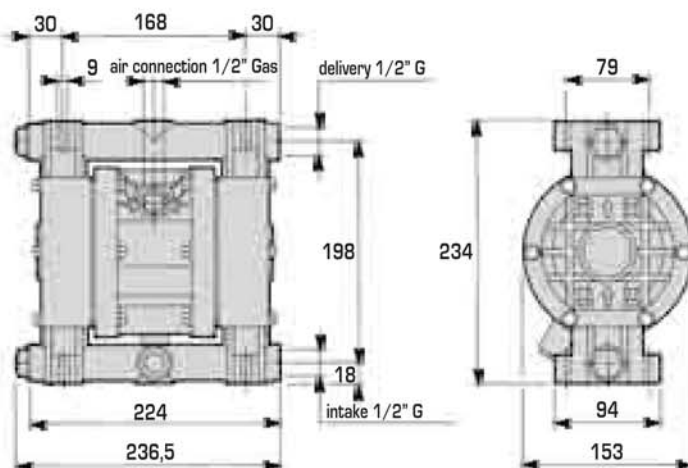
TECHNICAL DATA..

| | |
|---|---|
| Intake/delivery connections | G 1/2" |
| Air connection | G 1/2" |
| Max. dry suction capacity* | 5 m |
| Max. flow rate * | 50 l/min |
| Max. head* | 70 m |
| Max. air supply pressure | 7 bar |
| Max. diameter of passing solids (spherical particles) | 3 mm |
| Net weight | PP 3,6 Kg (zone 2) 60°C Max. Temp. |
| | ECTFE 4,2 Kg (zone 2) 95°C Max. Temp. |
| | Aluminium 4,2 Kg (zone 2) 95°C Max. Temp. |
| | Aisi 316 6,5 Kg (zone 2) 95°C Max. Temp. |
| Construction materials | PP - ECTFE - Alu - Aisi 316 |

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PERFORMANCE



DIMENSIONS

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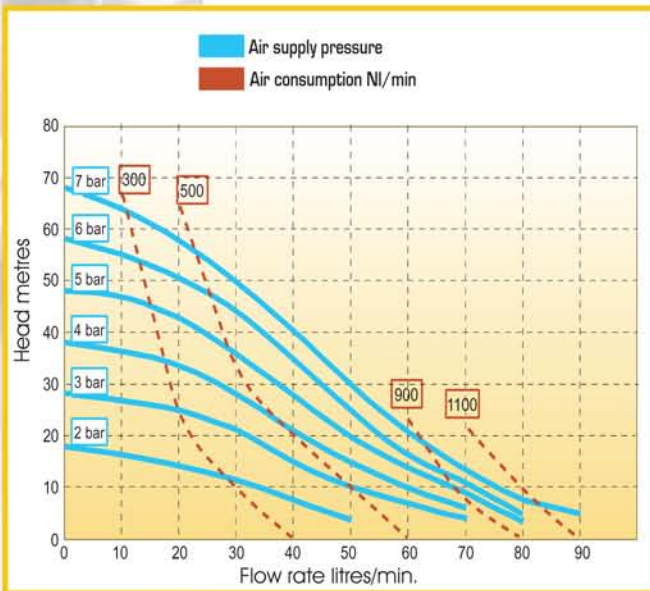


BOXER 80

1" connections



PERFORMANCE

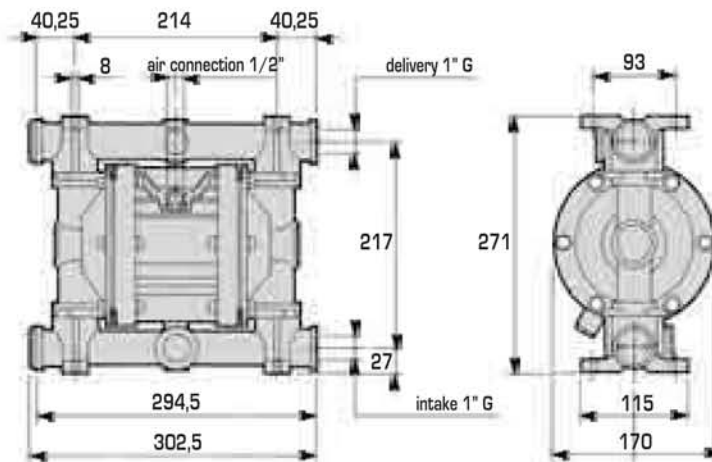


| | |
|---|----------------------------------|
| Intake/delivery connections | G 1" |
| Air connection | G 1/2" |
| Max. dry suction capacity* | 5 m |
| Max. flow rate * | 90 l/min |
| Max. head* | 70 m |
| Max. air supply pressure | 7 bar |
| Max. diameter of passing solids (spherical particles) | 4 mm |
| Net weight Aisi 316 | 10,5 Kg (zone 2) 95°C Max. Temp. |
| Construction materials | Aisi 316 |

* 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.

TECHNICAL DATA..

DIMENSIONS



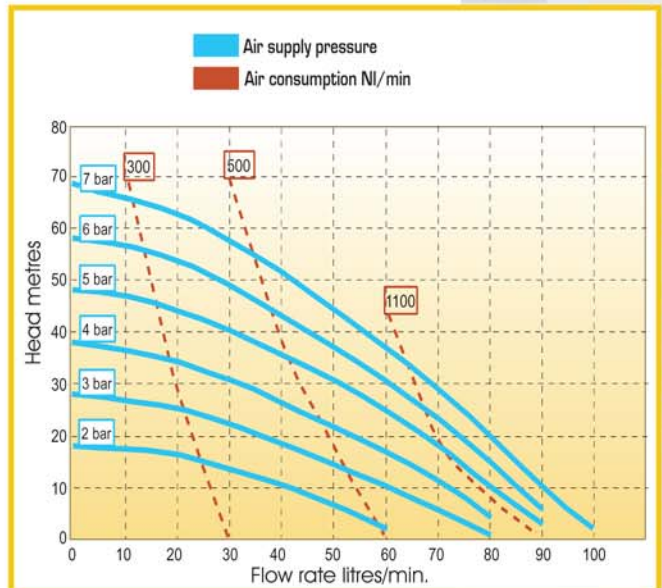
The dimensions shown are in millimetres, are indicative and are not binding; ask for the specific drawing.



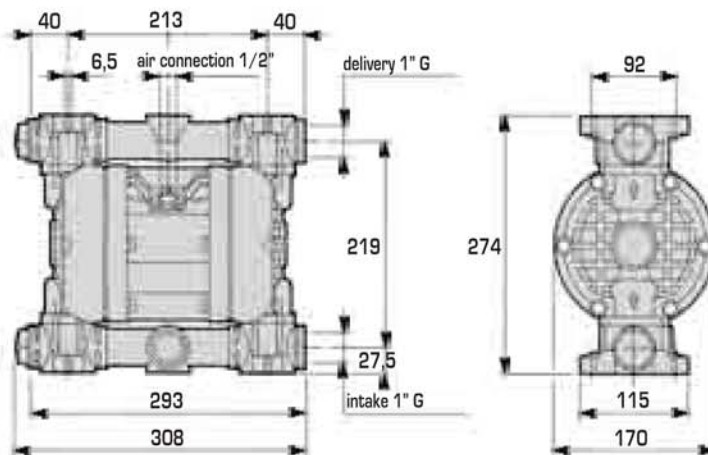
TECHNICAL DATA..

| | | |
|---|------------------|---------------------------------|
| Intake/delivery connections | G 1" | |
| Air connection | G 1/2" | |
| Max. dry suction capacity* | 6 m | |
| Max. flow rate * | 100 l/min | |
| Max. head* | 70 m | |
| Max. air supply pressure | 7 bar | |
| Max. diameter of passing solids (spherical particles) | 4 mm | |
| Net weight | PP | 5 Kg (zone 2) 60°C Max. Temp. |
| | ECTFE | 6,5 Kg (zone 2) 95°C Max. Temp. |
| | Aluminium | 6,5 Kg (zone 2) 95°C Max. Temp. |
| Construction materials | PP - ECTFE - Alu | |

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PERFORMANCE ...



DIMENSIONS

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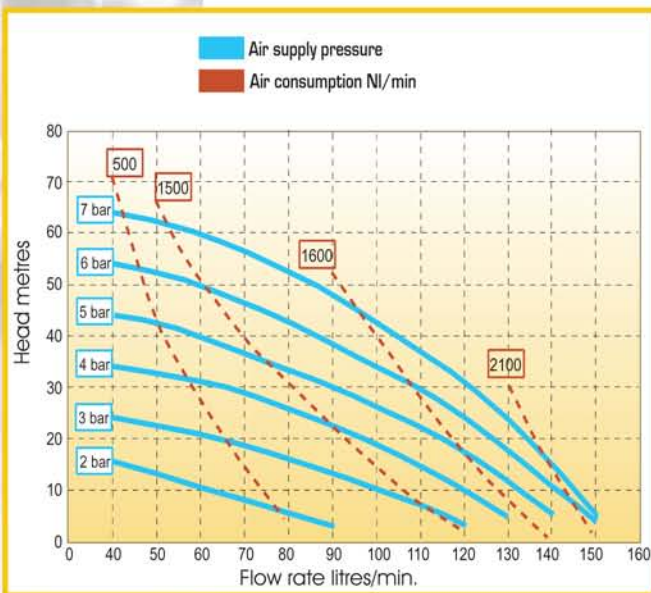


BOXER 100

1" connections



PERFORMANCE

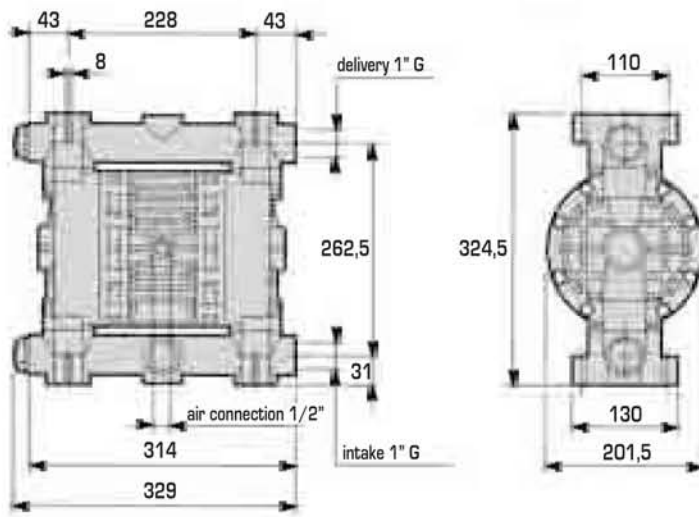


| | |
|---|---|
| Intake/delivery connections | G 1" |
| Air connection | G 1/2" |
| Max. dry suction capacity* | 5 m |
| Max. flow rate * | 150 l/min |
| Max. head* | 70 m |
| Max. air supply pressure | 7 bar |
| Max. diameter of passing solids (spherical particles) | 4 mm |
| Net weight | PP 7,5 Kg (zone 2) 60°C Max. Temp. ECTFE 8,5 Kg (zone 2) 95°C Max. Temp. |
| Construction materials | PP - ECTFE |

* 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.

TECHNICAL DATA..

DIMENSIONS



The dimensions shown are in millimetres, are indicative and are not binding; ask for the specific drawing.

1 1/4" connections

BOXER 150



Aisi 316



PP



ECTFE

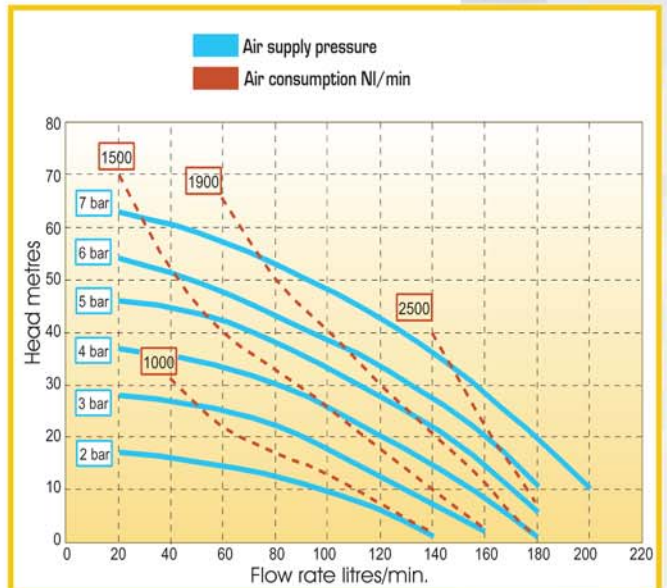


Alu

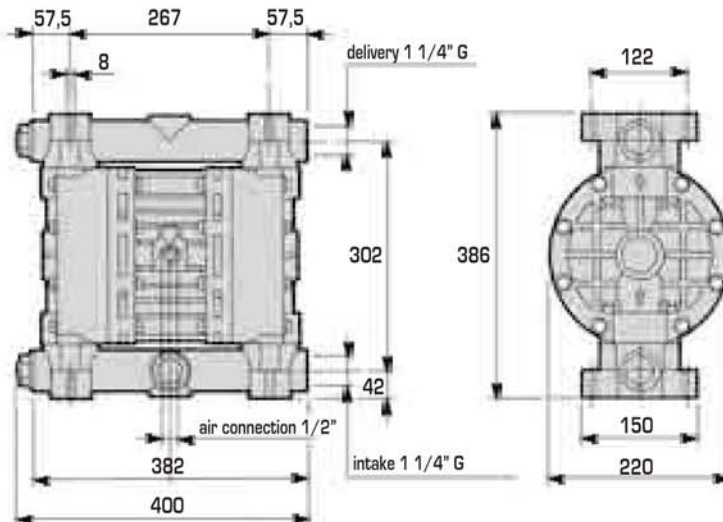
TECHNICAL DATA..

| | |
|---|---|
| Intake/delivery connections | G 1 1/4" |
| Air connection | G 1/2" |
| Max. dry suction capacity* | 5 m |
| Max. flow rate * | 220 l/min |
| Max. head* | 70 m |
| Max. air supply pressure | 7 bar |
| Max. diameter of passing solids (spherical particles) | 5 mm |
| Net weight | PP 12 Kg (zone 2) 60°C Max. Temp. |
| | ECTFE 14 Kg (zone 2) 95°C Max. Temp. |
| | Alu 16 Kg (zone 2) 95°C Max. Temp. |
| | Aisi 316 21 Kg (zone 2) 95°C Max. Temp. |
| Construction materials | PP - ECTFE - Alu - Aisi 316 |

* 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.



PERFORMANCE ...



DIMENSIONS

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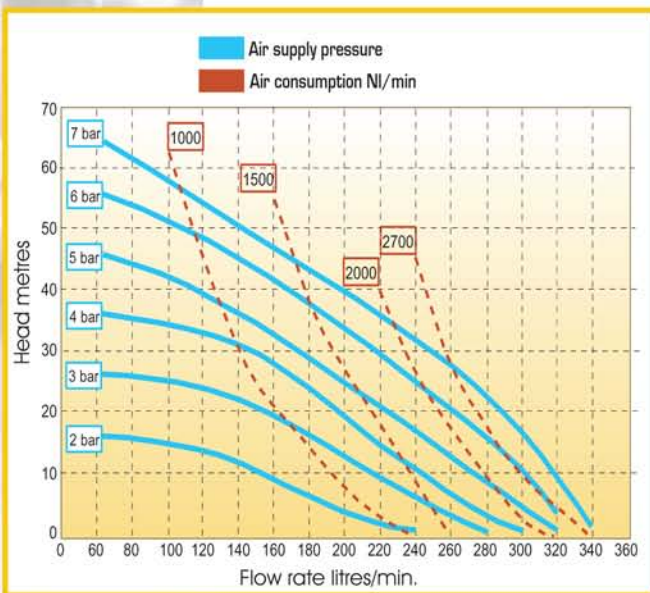


BOXER 250

1 1/2" connections



PERFORMANCE

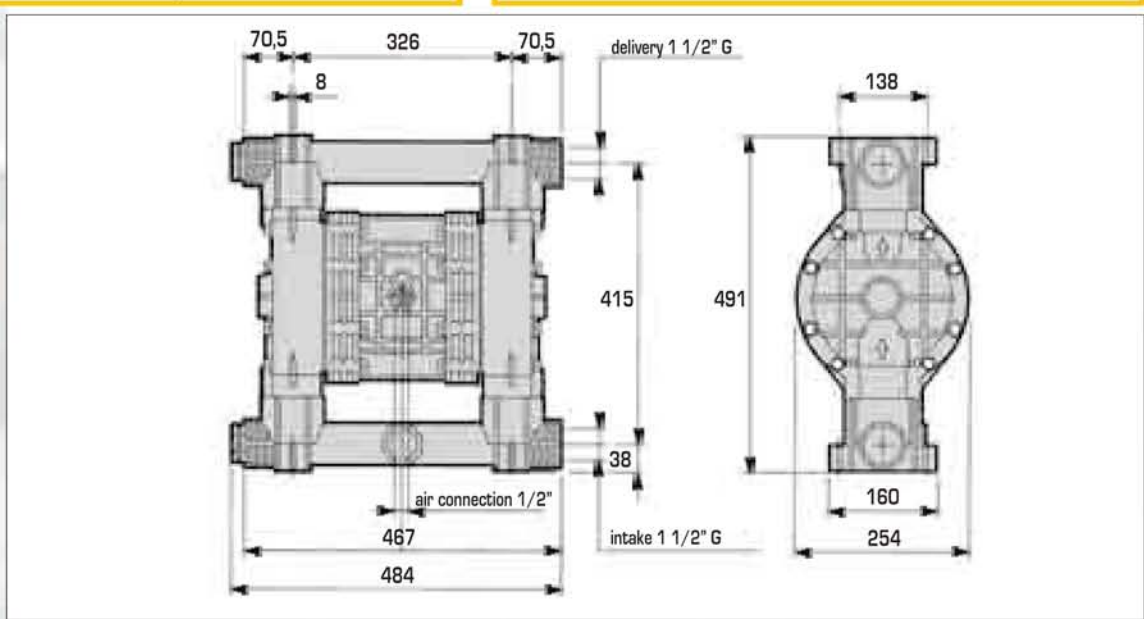


| | |
|---|---|
| Intake/delivery connections | G 1 1/2" |
| Air connection | G 1/2" |
| Max. dry suction capacity* | 5 m |
| Max. flow rate* | 340 l/min |
| Max. head* | 70 m |
| Max. air supply pressure | 7 bar |
| Max. diameter of passing solids (spherical particles) | 6 mm |
| Net weight | PP 16 Kg (zone 2) 60°C Max. Temp. ECTFE 20 Kg (zone 2) 95°C Max. Temp. |
| Construction materials | PP - ECTFE |

* 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.

TECHNICAL DATA..

DIMENSIONS



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1 1/2" connections

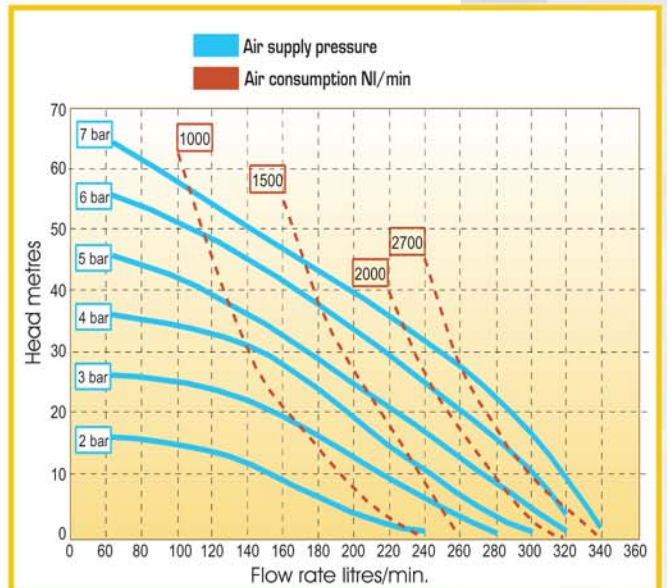
BOXER 251



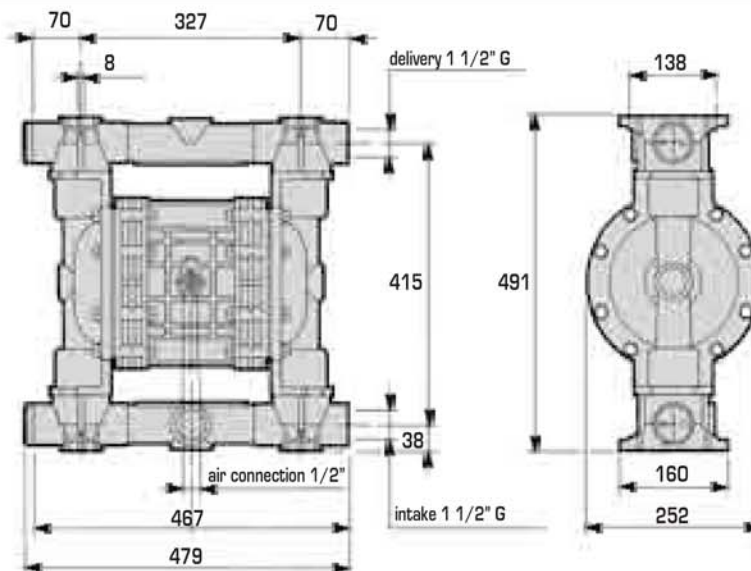
TECHNICAL DATA..

| | |
|---|---|
| Intake/delivery connections | G 1 1/2" |
| Air connection | G 1/2" |
| Max. dry suction capacity* | 6 m |
| Max. flow rate * | 340 l/min |
| Max. head* | 70 m |
| Max. air supply pressure | 7 bar |
| Max. diameter of passing solids (spherical particles) | 6 mm |
| Net weight | Alu 21 Kg (zone 2) 60°C Max. Temp. Aisi 316 32 Kg (zone 2) 95°C Max. Temp. |
| Construction materials | Alu - Aisi 316 |

* 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.



PERFORMANCE



DIMENSIONS

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BOXER 502

2" connections



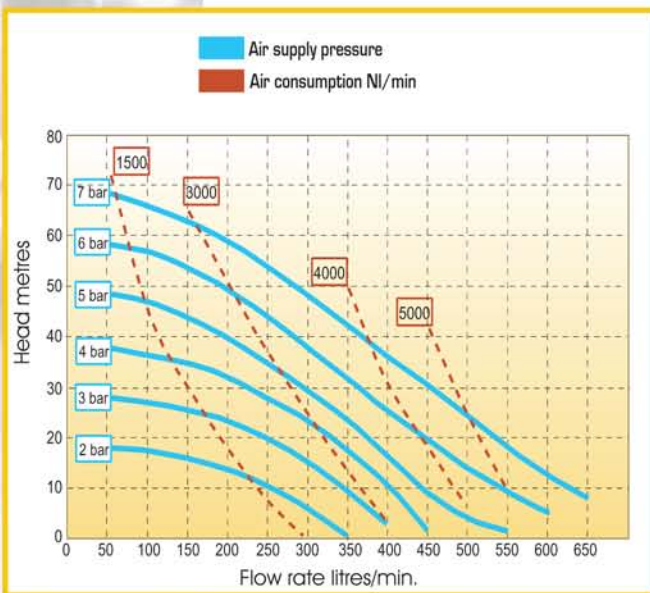
PP



PVDF



PERFORMANCE

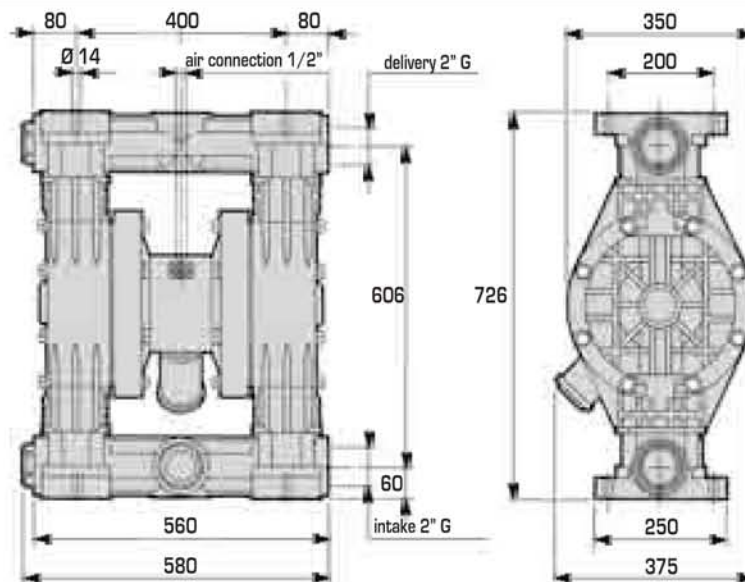


| | |
|---|--|
| Intake/delivery connections | G 2" |
| Air connection | G 1/2" |
| Max. dry suction capacity* | 4 m |
| Max. flow rate* | 650 l/min |
| Max. head* | 70 m |
| Max. air supply pressure | 7 bar |
| Max. diameter of passing solids (spherical particles) | 8 mm |
| Net weight | PP 54 Kg (zone 2) 60°C Max. Temp. PVDF 65 Kg (zone 2) 95°C Max. Temp. |
| Construction materials | PP - PVDF |

* 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.

TECHNICAL DATA..

DIMENSIONS



The dimensions shown are in millimetres, are indicative and are not binding; ask for the specific drawing.

3" connections

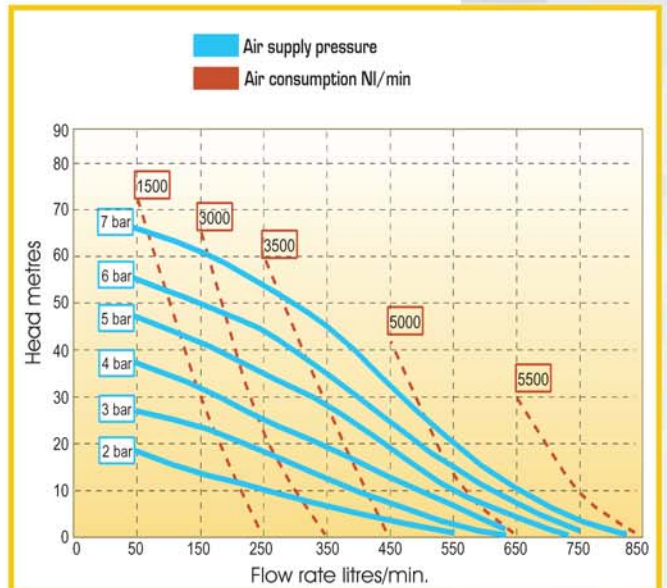
BOXER 503



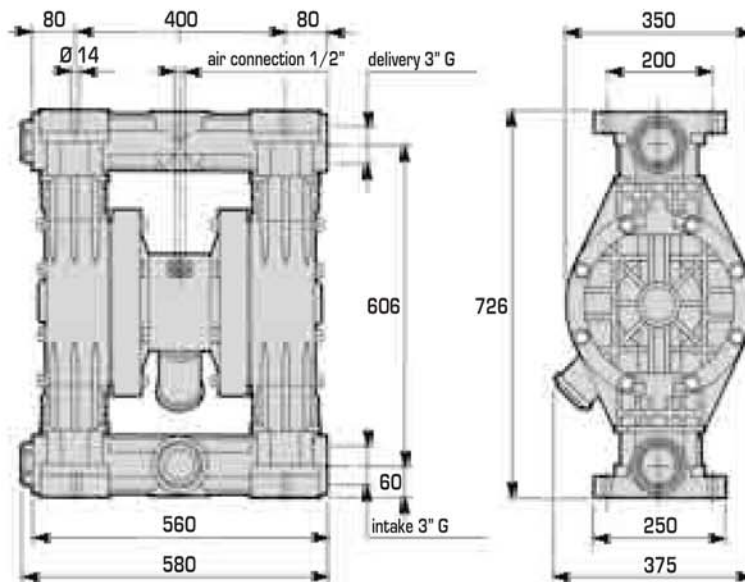
TECHNICAL DATA..

| | |
|---|--|
| Intake/delivery connections | G 3" |
| Air connection | G 1/2" |
| Max. dry suction capacity* | 5 m |
| Max. flow rate* | 850 l/min |
| Max. head* | 70 m |
| Max. air supply pressure | 7 bar |
| Max. diameter of passing solids (spherical particles) | 10 mm |
| Net weight | PP 56 Kg (zone 2) 60°C Max. Temp. PVDF 67 Kg (zone 2) 95°C Max. Temp. |
| Construction materials | PP - PVDF |

* 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.



PERFORMANCE



DIMENSIONS

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