

AIR-OPERATED DOUBLE DIAPHRAGM PUMPS



Air-operated double diaphragm pumps have long been recognized as the most flexible pumps of the industry for handling difficult liquids at relatively low pressures and flows. The range of applications is virtually limitless. Meclube AODD pumps come in many sizes and choices of materials of construction. Almost every type of liquid can be pumped from highly corrosive acids through high viscosity paints and adhesives, to food and drink products.



- Special air system: lube-free, anti-stall, anti-freeze.
- Efficient air distribution design: low air consumption.
- Handled liquids with solids particles: ideal for abrasive and viscous fluids.
- All plastic air system: strong and corrosion-resistant in harsh environments.
- Efficient performance: high flow rates through optimal casing designs.
- They can be customized for specific applications:
- Multiple porting options available along with interface options.
- All bolted Construction: it provides maximum leak resistance and safety.
- Variable flow and head pressures, easy to adjust, without sophisticated controls.
- Wide range of sizes and materials suited to variety of conditions and chemicals fluids.
- Safely “dead head” function, against closed discharge, without pump damage.
- Self-priming dry up to 6 meters: works in suction lift applications.
- 100% wet tested after final assembly: deadheading, priming, and sealing.



1. Suction Cycle

Compressed air fills right inner chamber, causing the opposing diaphragm to create suction, lifting the lower valve ball, pulling in fluid at inlet. Simultaneously, the right chamber is in “Discharge” cycle.



2. Discharge Cycle

Compressed air fills left inner chamber, causing upper valve ball to open and discharge fluid. Simultaneously, the right chamber is in “Suction” cycle.



Air-operated double diaphragm pumps made of **POLYPROPYLENE**
Flow-rate from 7 l/min to 700 l/min
Connection from **1/4" to 2"**

page 183



Air-operated double diaphragm pumps made of **ALUMINIUM**
Flow-rate from 35 l/min to 1050 l/min
Connection from **1/2" to 3"**

page 192



Air-operated double diaphragm pumps made of **STAINLESS STEEL AISI 316**
Flow-rate from 20 l/min to 700 l/min
Connection from **3/8" to 2"**

page 200



Air-operated double diaphragm pumps "**FOOD**" made of **ELECTRO-POLISHED STAINLESS STEEL AISI 316**
Flow-rate from 20 l/min to 700 l/min
Connection from **3/4" to 2.1/2" Tri-Clamp**

page 208



Air-operated double diaphragm pumps "**DRUM-MEC**" made of **POLYPROPYLENE AND ALUMINIUM**
Flow-rate from 55 l/min to 110 l/min
Connection from **1/2" to 3/4"**

page 216



Air-operated double diaphragm pumps "**TWIN-MEC**" made of **ALUMINIUM**
Flow-rate from 55 l/min to 110 l/min
Connection from **1/2" to 3/4"**

page 218



Components for compressed air
• **Pressure regulators**
• **Pressure regulators with filter**
• **Compressed air lubricator**
• **Pressure regulators with lubricating filter**

page 219



Pneumatic automatic pulsation dampers realized in **POLYPROPYLENE PVDF, POMc, STAINLESS STEEL AISI 316**
Flow-rate from 35 l/min to 1000 l/min
Connection from **3/4" to 2"**

page 220



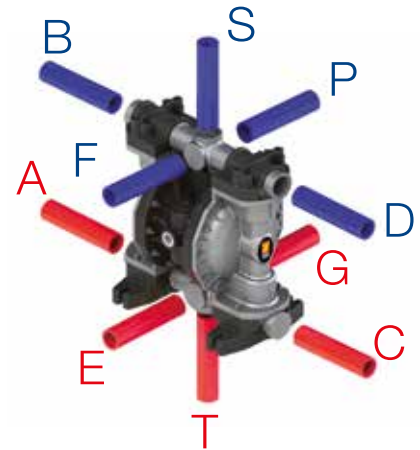
Accessories for air-operated double diaphragm pumps
• **Wall fixing bracket**
• **Stainless steel trolley**
• **Flange connection kit**
• **Suction hoses kit**
• **Chemical compatibility table**

page 222

To select the right MECLUBE pump for your application, the following factors should be considered to achieve economy of operation, long pump life, and minimal maintenance costs:

- The nature of the fluid to be pumped, its viscosity, and the contained solids content
- Pumping capacity in relation to the desired output
- Suction and pressure conditions

Considering these parameters, an optimal pump size is selected when the intersection of the intended installation "pressure vs. flow rate" is near the middle section of the curves.



Feasible Connection

- Standard = A B
 Inlet = A-E-T-C-G
 Outlet = B-S-D-F-P

CORPO	MEMBRANE	SFERE	SEDE SFERA	GUARNIZIONI	CONNESSIONI	ATEX	PORTE
POLIPROPILENE	HYTREL+PTFE	PTFE	PP	EPDM	BSP	ZONE2	A B= STANDARD
PVDF	SANTOPRENE+PTFE	SS	PVDF	VITON	FLANGED	ZONE1	
ALLUMINIO	HYTREL	EPDM	ALU	NBR	NPT		
ACCIAIO INOX	SANTOPRENE-EPDM NBR	NBR	SS-PE-UHMWE	PTFE			

Using Performance Curves

To determine compressed air requirements and proper size for a MECLUBE AODD pump, two elements of information are required:

- 1 Required Flow Rate
- 2 Total Delivery Head

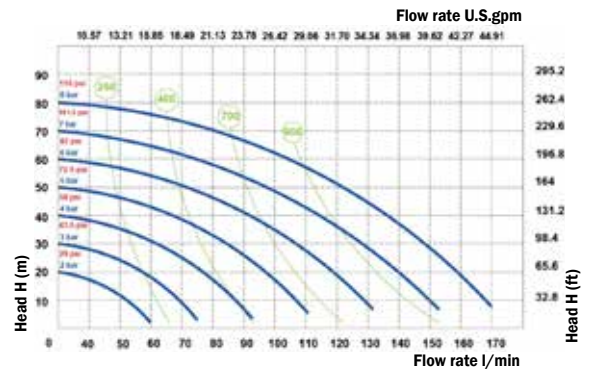
As an example, consider a P170 pump performance curve, pumping about 135 l/min at 25m.

Point A on the performance curve is where the desired Flow Rate and Total Delivery Head points intersect. This point determines compressed air requirements for the particular pump.

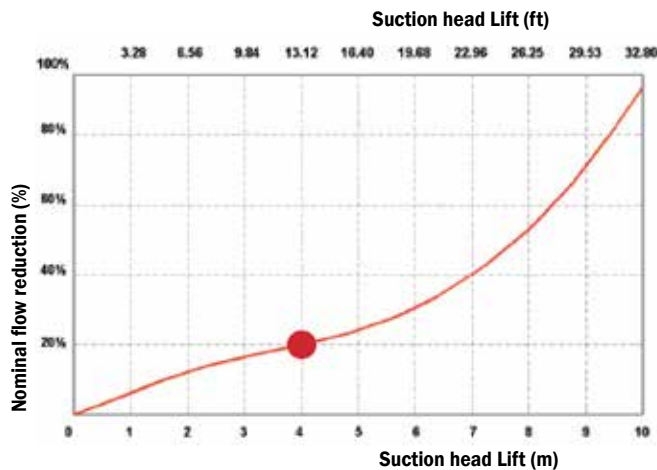
At performance point A, the pump will require approximately 7 bar air inlet pressure.

To arrive at this figure, follow the solid blue curve to the left to read the air pressure rating in BAR.

By looking at the nearest green curve, it is determined the pump will require approximately 900 nl/min (Normal Liter per minute) of air consumption.

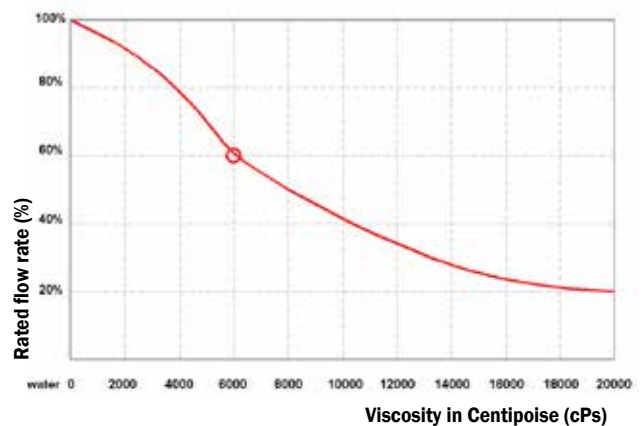


Specified Suction Lift



With a suction lift of 4 m, pump rate decreases by approximately 20%. Valid for pumps 3/4" and larger; data varies according to the pump configuration.

Viscous Liquids Performance Data



During the delivery of a fluid with a viscosity of 6000cPs, the pump rate decreases to 60% of its rated value (100% = water). Valid for 3/4" pumps & larger.

Meclube Model P7

Made of POLYPROPYLENE

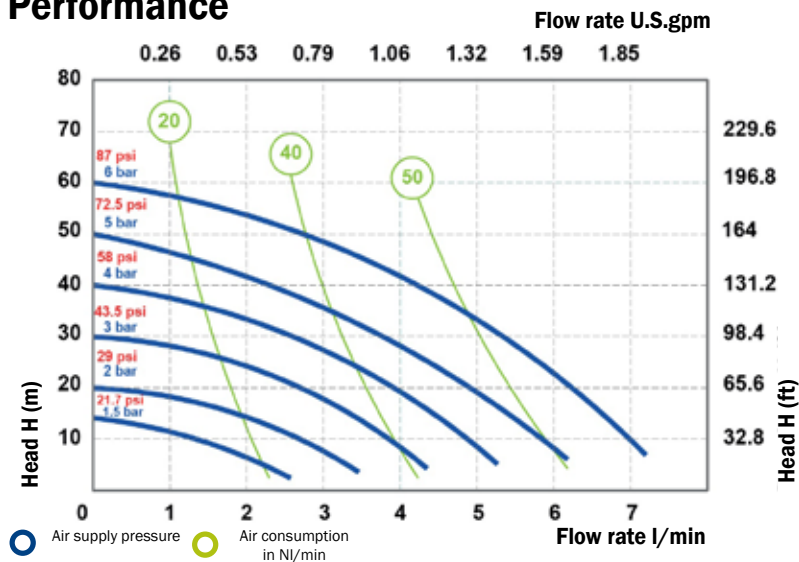
Compression ratio: 1:1
 Max flow-rate: 7 l/min
 Fluid connections: 1/4" BSP



EX II 3/3 GD h IIB T4 135°C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-P007-AB1	POLYPROPYLENE	NBR+PTFE	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-P007-AB2	POLYPROPYLENE	NBR+PTFE	PTFE	VITON	water-anti-freeze-windscreen-urea-AdBlue
028-P007-AB3	POLYPROPYLENE	NBR+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)

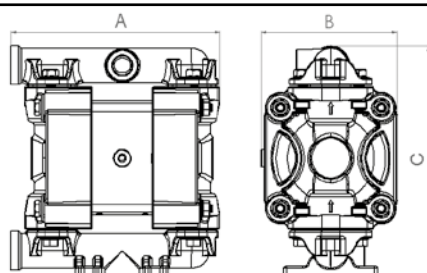
Performance



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

Fluid connections: 1/4" BSP
 Air connection: 4 mm
 Max flow-rate: 7 l/min
 Max air pressure: 6 bar
 Max delivery head: 60 m
 Max Suction Lift Dry: 3,0 m
 Max Suction Lift Wet: 9,8 m
 Max Solid passing: 2 mm
 Noise level: 62 dB
 Displacement per cycle: 18 cm³
 Max Viscosity: 5000 cps



Dimensions

P7	
A (mm)	129
B (mm)	68
C (mm)	112
Gross weight kg	0,91
MAX Temperature	-4 °C + 65 °C



Meclube Model P20

Made of POLYPROPYLENE

Compression ratio: 1:1
 Max flow-rate: 20 l/min
 Fluid connections: 3/8" BSP

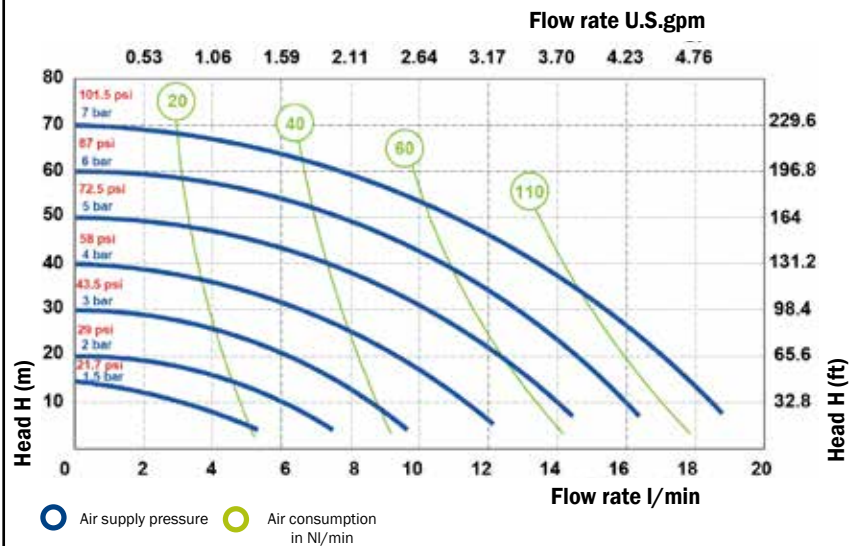
 EX II 3/3 GD h IIB T4 135 °C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-P020-AB1	POLYPROPYLENE	HYTREL+PTFE	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-P020-AB2	POLYPROPYLENE	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen-urea-AdBlue
028-P020-AB3	POLYPROPYLENE	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)

Technical data

Fluid connections:	3/8" BSP
Air connection:	6 mm
Max flow-rate:	20 l/min
Max air pressure:	7 bar
Max delivery head:	70 m
Max Suction Lift Dry:	5,0 m
Max Suction Lift Wet:	9,8 m
Max Solid passing:	2,5 mm
Noise level:	65 dB
Displacement per cycle:	30 cm³
Max Viscosity:	10000 cps

Performance

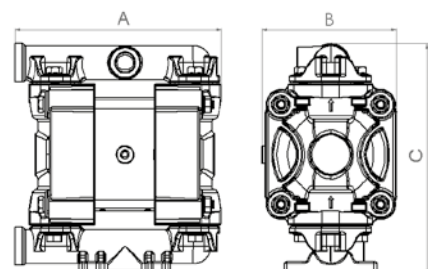


The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20 °C, and vary according to the construction material.

Dimensions

P20

A (mm)	146
B (mm)	96
C (mm)	167
Gross weight kg	1,43
MAX Temperature	-4 °C + 65 °C



Meclube Model P35

Made of POLYPROPYLENE

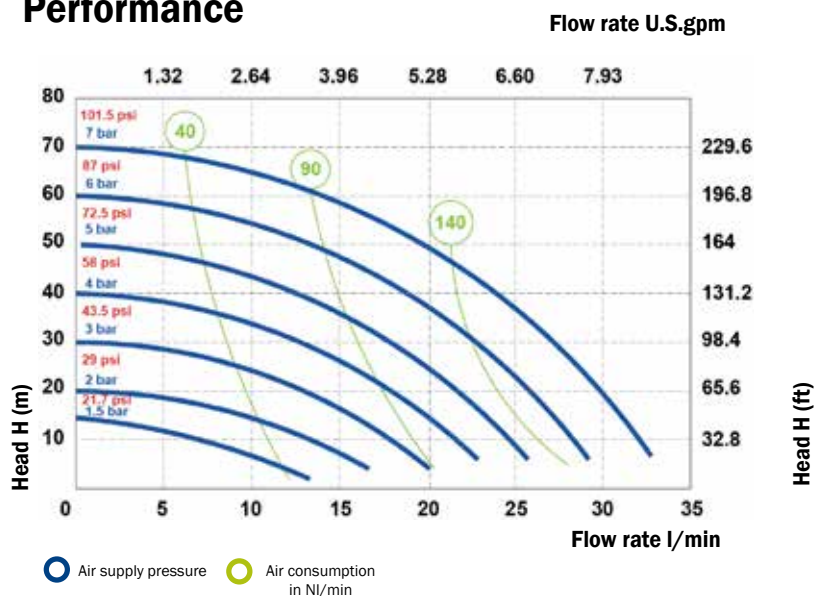
Compression ratio: 1:1
 Max flow-rate: 35 l/min
 Fluid connections: 1/2" BSP



EX II 3/3 GD h IIB T4 135°C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-P035-AB1	POLYPROPYLENE	HYTREL	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-P035-AB2	POLYPROPYLENE	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen-urea-AdBlue
028-P035-AB3	POLYPROPYLENE	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)
028-P035-AB4	POLYPROPYLENE	SANTOPRENE	EPDM	EPDM	abrasive liquids - alkaline/basic

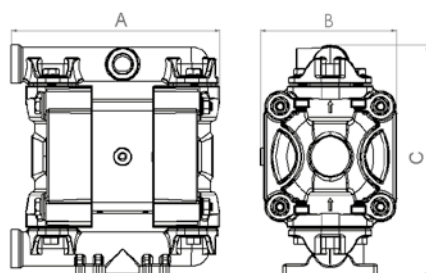
Performance



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

Fluid connections: **1/2" BSP**
 Air connection: **6 mm**
 Max flow-rate: **35 l/min**
 Max air pressure: **7 bar**
 Max delivery head: **70 m**
 Max Suction Lift Dry: **5,0 m**
 Max Suction Lift Wet: **9,8 m**
 Max Solid passing: **3 mm**
 Noise level: **65 dB**
 Displacement per cycle: **65 cm³**
 Max Viscosity: **15000 cps**



Dimensions

P35	
A (mm)	177
B (mm)	105
C (mm)	185
Gross weight kg	2,14
MAX Temperature	-4°C + 65°C



AIR-OPERATED DOUBLE DIAPHRAGM PUMPS



Meclube Model P55

Made of POLYPROPYLENE

Compression ratio: 1:1

Max flow-rate: 55 l/min

Fluid connections: 1/2" BSP

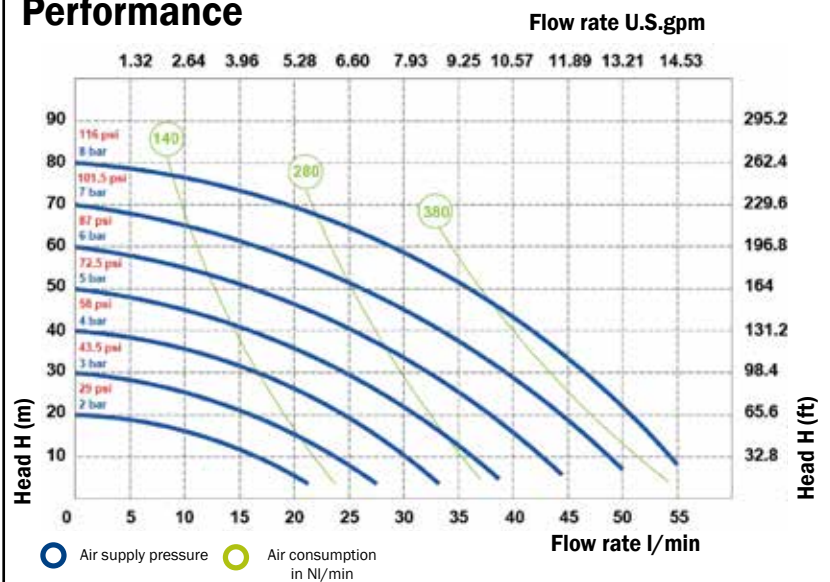
EX II 3/3 GD h IIB T4 135 °C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-P055-AB1	POLYPROPYLENE	HYTREL	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-P055-AB2	POLYPROPYLENE	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen-urea-AdBlue
028-P055-AB3	POLYPROPYLENE	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)
028-P055-AB4	POLIPROPYLENE	SANTOPRENE	EPDM	EPDM	abrasive liquids - alkaline/basic

Technical data

Fluid connections:	1/2" BSP
Air connection:	1/4" BSP
Max flow-rate:	55 l/min
Max air pressure:	8 bar
Max delivery head:	80 m
Max Suction Lift Dry:	5,0 m
Max Suction Lift Wet:	9,8 m
Max Solid passing:	3,5 mm
Noise level:	70 dB
Displacement per cycle:	140 cm³
Max Viscosity:	20000 cps

Performance

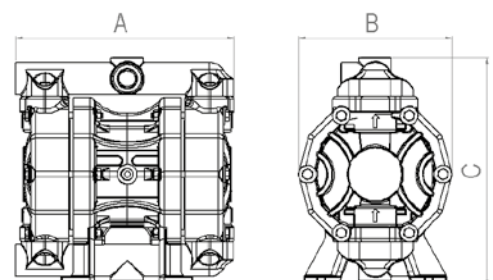


The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20 °C, and vary according to the construction material.

Dimensions

P55

A (mm)	238
B (mm)	156
C (mm)	249
Gross weight kg	4,15
MAX Temperature	-4 °C + 65 °C



Meclube Model P110

Made of POLYPROPYLENE

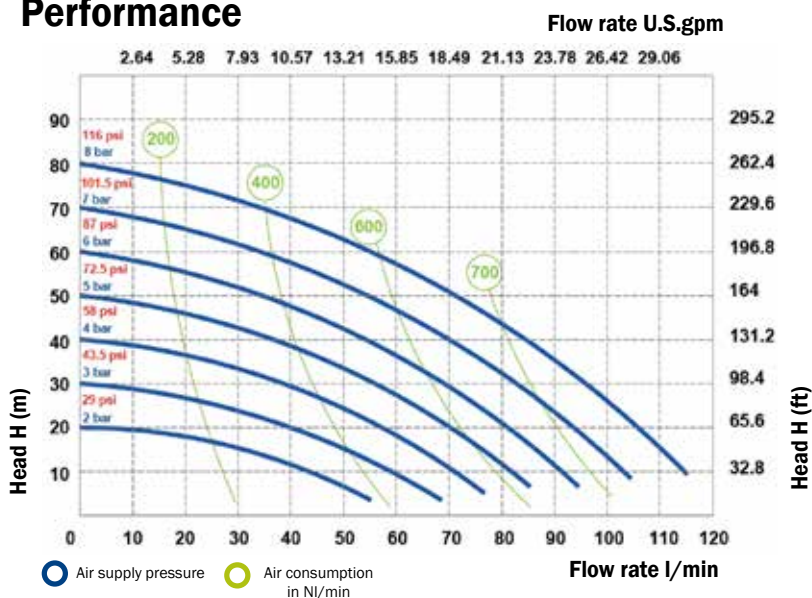
Compression ratio: 1:1
 Max flow-rate: 110 l/min
 Fluid connections: 3/4" BSP



EX II 3/3 GD h IIB T4 135°C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-P110-AB1	POLYPROPYLENE	HYTREL	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-P110-AB2	POLYPROPYLENE	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen-urea-AdBlue
028-P110-AB3	POLYPROPYLENE	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)
028-P110-AB4	POLYPROPYLENE	SANTOPRENE	EPDM	EPDM	abrasive liquids - alkaline/basic

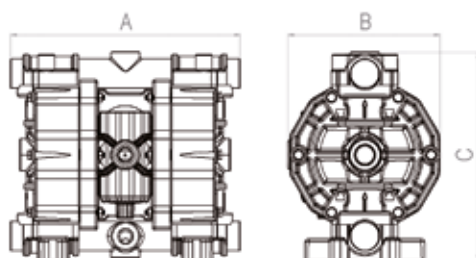
Performance



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

Fluid connections: **3/4" BSP**
 Air connection: **3/8" BSP**
 Max flow-rate: **110 l/min**
 Max air pressure: **8 bar**
 Max delivery head: **80 m**
 Max Suction Lift Dry: **5,0 m**
 Max Suction Lift Wet: **9,8 m**
 Max Solid passing: **4 mm**
 Noise level: **72 dB**
 Displacement per cycle: **200 cm³**
 Max Viscosity: **25000 cps**



Dimensions


P110	
A (mm)	293
B (mm)	176
C (mm)	280
Gross weight kg	5,10
MAX Temperature	-4°C + 65°C



Meclube Model P170

Made of POLYPROPYLENE

Compression ratio: **1:1**
 Max flow-rate: **170 l/min**
 Fluid connections: **1" BSP**

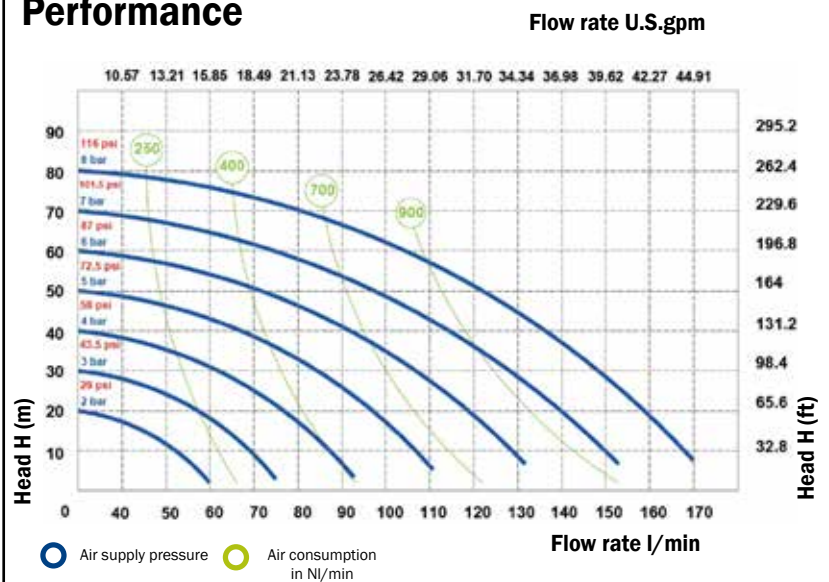
 EX II 3/3 GD h IIB T4 135 °C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-P170-AB1	POLYPROPYLENE	HYTREL	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-P170-AB2	POLYPROPYLENE	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen-urea-AdBlue
028-P170-AB3	POLYPROPYLENE	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)
028-P170-AB4	POLIPROPYLENE	SANTOPRENE	EPDM	EPDM	abrasive liquids - alkaline/basic

Technical data

Fluid connections: **1" BSP**
 Air connection: **1/2" BSP**
 Max flow-rate: **170 l/min**
 Max air pressure: **8 bar**
 Max delivery head: **80 m**
 Max Suction Lift Dry: **5,0 m**
 Max Suction Lift Wet: **9,8 m**
 Max Solid passing: **7,5 mm**
 Noise level: **75 dB**
 Displacement per cycle: **700 cm³**
 Max Viscosity: **35000 cps**

Performance

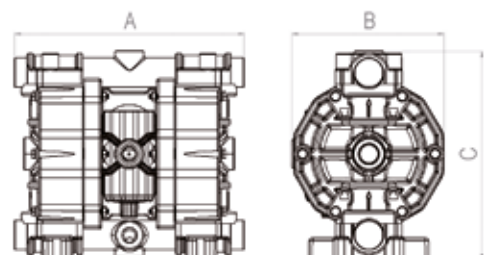


The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20 °C, and vary according to the construction material.

Dimensions

P170

A (mm) 396
 B (mm) 222
 C (mm) 387
 Gross weight kg 12,27
 MAX Temperature -4 °C + 65 °C



Meclube Model P250

Made of POLYPROPYLENE

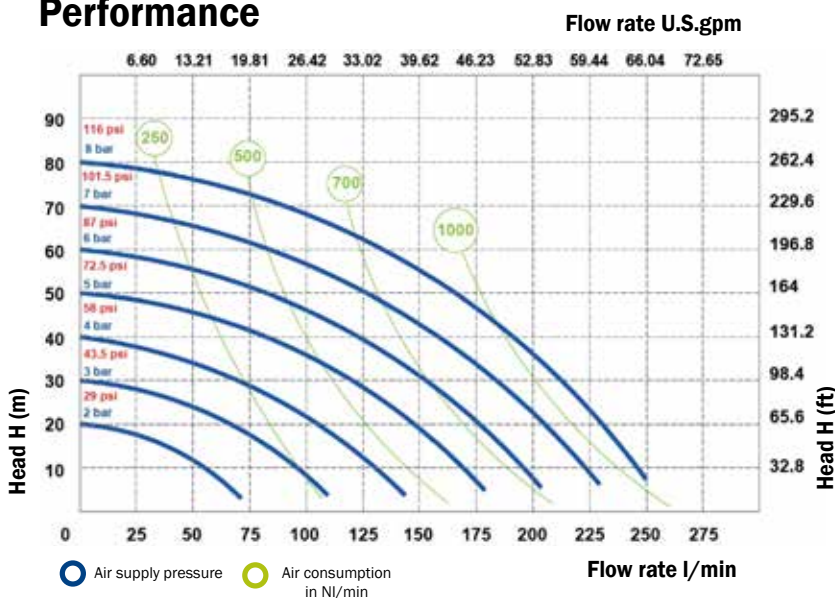
Compression ratio: 1:1
 Max flow-rate: 250 l/min
 Fluid connections: 1.1/4" BSP



EX II 3/3 GD h IIB T4 135°C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-P250-AB1	POLYPROPYLENE	HYTREL	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-P250-AB2	POLYPROPYLENE	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen-urea-AdBlue
028-P250-AB3	POLYPROPYLENE	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)
028-P250-AB4	POLIPROPILENE	SANTOPRENE	EPDM	EPDM	abrasive liquids - alkaline/basic

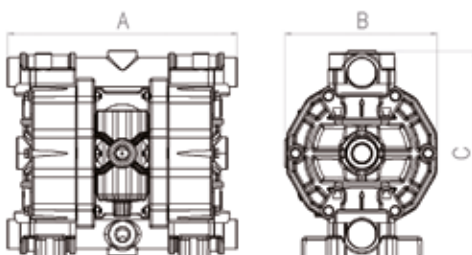
Performance



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

Fluid connections: **1.1/4" BSP**
 Air connection: **1/2" BSP**
 Max flow-rate: **250 l/min**
 Max air pressure: **8 bar**
 Max delivery head: **80 m**
 Max Suction Lift Dry: **5,0 m**
 Max Suction Lift Wet: **9,8 m**
 Max Solid passing: **7,5 mm**
 Noise level: **75 dB**
 Displacement per cycle: **700 cm³**
 Max Viscosity: **35000 cps**



Dimensions

P250	
A (mm)	396
B (mm)	222
C (mm)	388
Gross weight kg	12,73
MAX Temperature	-4°C + 65°C



Meclube Model P400

Made of POLYPROPYLENE

Compression ratio: **1:1**

Max flow-rate: **400 l/min**

Fluid connections: **1.1/2" BSP**

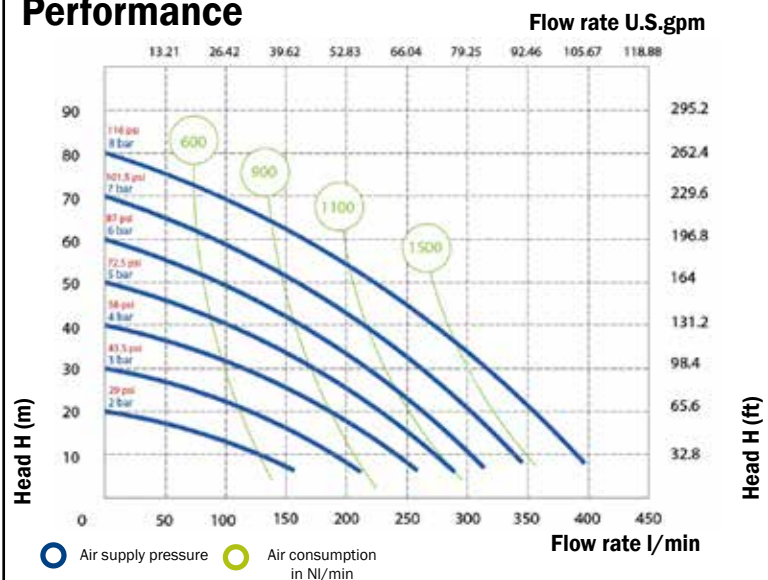
 EX II 3/3 GD h IIB T4 135 °C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-P400-AB1	POLYPROPYLENE	HYTREL	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-P400-AB2	POLYPROPYLENE	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen-urea-AdBlue
028-P400-AB3	POLYPROPYLENE	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)
028-P400-AB4	POLIPROPILENE	SANTOPRENE	EPDM	EPDM	abrasive liquids - alkaline/basic

Technical data

Fluid connections:	1.1/2" BSP
Air connection:	1/2" BSP
Max flow-rate:	400 l/min
Max air pressure:	8 bar
Max delivery head:	80 m
Max Suction Lift Dry:	5,0 m
Max Suction Lift Wet:	9,8 m
Max Solid passing:	8 mm
Noise level:	78 dB
Displacement per cycle:	1200 cm³
Max Viscosity:	40000 cps

Performance



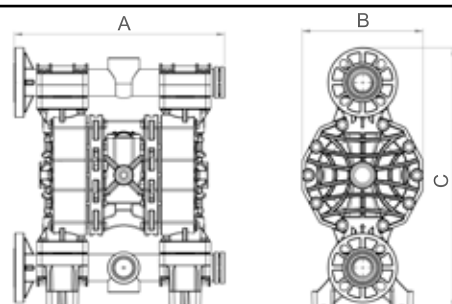
 Air supply pressure  Air consumption in NI/min

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.

Dimensions

P400

A (mm)	454
B (mm)	260
C (mm)	564
Gross weight kg	19,96
MAX Temperature	-4 °C + 65 °C



Meclube Model P700

Made of POLYPROPYLENE

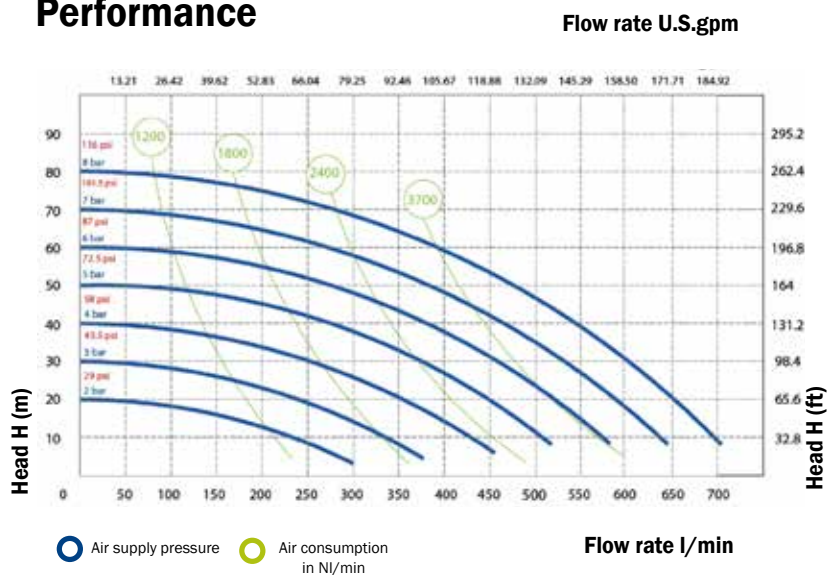
Compression ratio: **1:1**
 Max flow-rate: **700 l/min**
 Fluid connections: **2" BSP**



EX II 3/3 GD h IIB T4 135°C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-P700-AB1	POLYPROPYLENE	HYTREL	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-P700-AB2	POLYPROPYLENE	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen-urea-AdBlue
028-P700-AB3	POLYPROPYLENE	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)
028-P700-AB4	POLIPROPILENE	SANTOPRENE	EPDM	EPDM	abrasive liquids - alkaline/basic

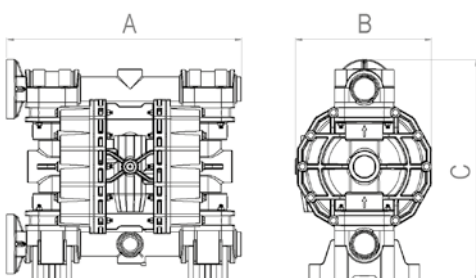
Performance



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

Fluid connections:	2" BSP
Air connection:	3/4" BSP
Max flow-rate:	700 l/min
Max air pressure:	8 bar
Max delivery head:	80 m
Max Suction Lift Dry:	5,0 m
Max Suction Lift Wet:	9,8 m
Max Solid passing:	8,5 mm
Noise level:	78 dB
Displacement per cycle:	3050 cm³
Max Viscosity:	50000 cps



Dimensions

P700

A (mm)	595
B (mm)	345
C (mm)	570
Gross weight kg	37,53
MAX Temperature	-4°C + 65°C




Meclube Model A35

Made of ALUMINIUM

Compression ratio: 1:1

Max flow-rate: 35 l/min

Fluid connections: 1/2" BSP

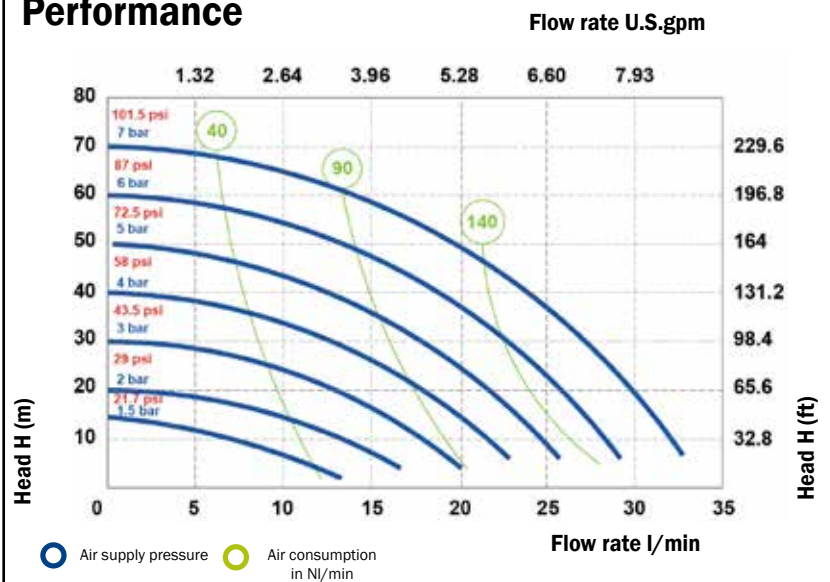
 EX II 3/3 GD h IIB T4 135 °C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-A035-AB1	ALUMINIUM	HYTREL	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-A035-AB2	ALUMINIUM	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen
028-A035-AB3	ALUMINIUM	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)
028-A035-AB4	ALUMINIUM	SANTOPRENE	EPDM	EPDM	abrasive liquids - alkaline/basic

Technical data

Fluid connections:	1/2" BSP
Air connection:	6 mm
Max flow-rate:	35 l/min
Max air pressure:	7 bar
Max delivery head:	70 m
Max Suction Lift Dry:	5,0 m
Max Suction Lift Wet:	9,8 m
Max Solid passing:	3 mm
Noise level:	65 dB
Displacement per cycle:	65 cm³
Max Viscosity:	15000 cps

Performance

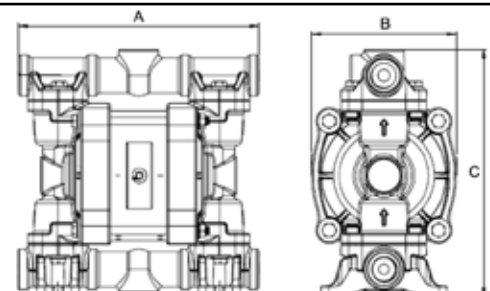


The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20 °C, and vary according to the construction material.

Dimensions

A35

A (mm)	183
B (mm)	110
C (mm)	189
Gross weight kg	3,06
MAX Temperature	-20 °C + 95 °C



Meclube Model A55

Made of ALUMINIUM

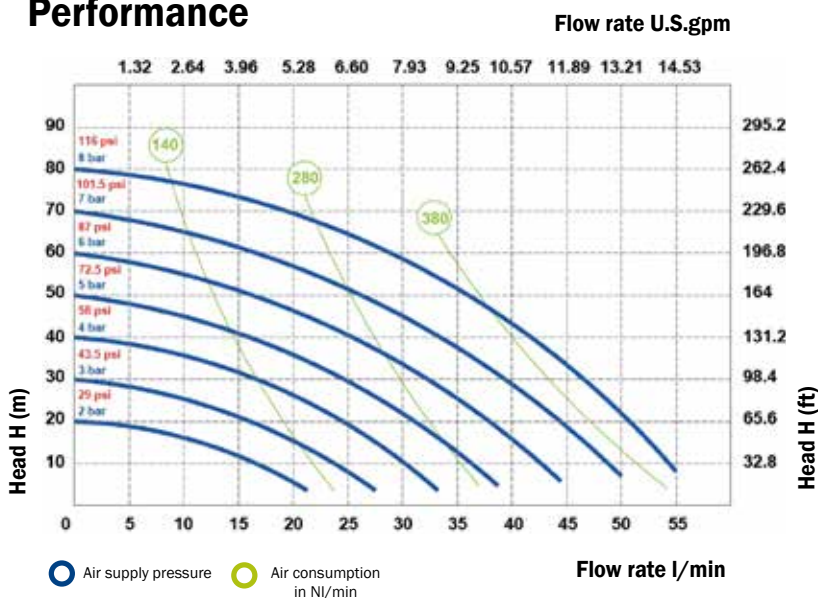
Compression ratio: 1:1
 Max flow-rate: 55 l/min
 Fluid connections: 1/2" BSP



EX II 3/3 GD h IIB T4 135°C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-A055-AB1	ALUMINIUM	HYTREL	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-A055-AB2	ALUMINIUM	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen
028-A055-AB3	ALUMINIUM	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)
028-A055-AB4	ALUMINIUM	SANTOPRENE	EPDM	EPDM	abrasive liquids - alkaline/basic

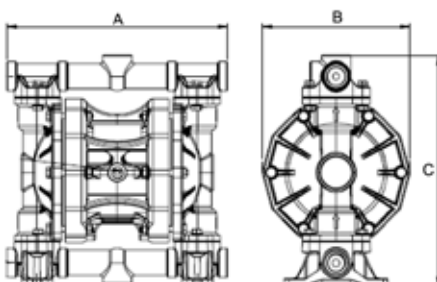
Performance



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

Fluid connections: **1/2" BSP**
 Air connection: **1/4" BSP**
 Max flow-rate: **55 l/min**
 Max air pressure: **8 bar**
 Max delivery head: **80 m**
 Max Suction Lift Dry: **5,0 m**
 Max Suction Lift Wet: **9,8 m**
 Max Solid passing: **3,5 mm**
 Noise level: **70 dB**
 Displacement per cycle: **140 cm³**
 Max Viscosity: **20000 cps**



Dimensions

A55	
A (mm)	234
B (mm)	156
C (mm)	245
Gross weight kg	4,61
MAX Temperature	-20°C + 95°C



AIR-OPERATED DOUBLE DIAPHRAGM PUMPS



Meclube Model A110

Made of ALUMINIUM

Compression ratio: 1:1

Max flow-rate: 110 l/min

Fluid connections: 3/4" BSP

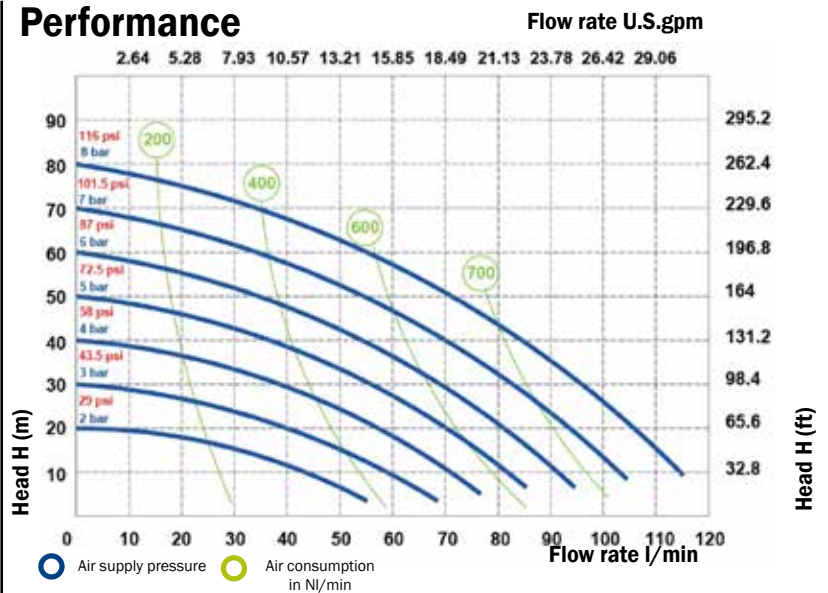
EX II 3/3 GD h IIB T4 135 °C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-A110-AB1	ALUMINIUM	HYTREL	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-A110-AB2	ALUMINIUM	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen
028-A110-AB3	ALUMINIUM	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)
028-A110-AB4	ALUMINIUM	SANTOPRENE	EPDM	EPDM	abrasive liquids - alkaline/basic

Technical data

Fluid connections:	3/4" BSP
Air connection:	3/8" BSP
Max flow-rate:	100 l/min
Max air pressure:	8 bar
Max delivery head:	80 m
Max Suction Lift Dry:	5,0 m
Max Suction Lift Wet:	9,8 m
Max Solid passing:	4 mm
Noise level:	72 dB
Displacement per cycle:	200 cm³
Max Viscosity:	25000 cps

Performance

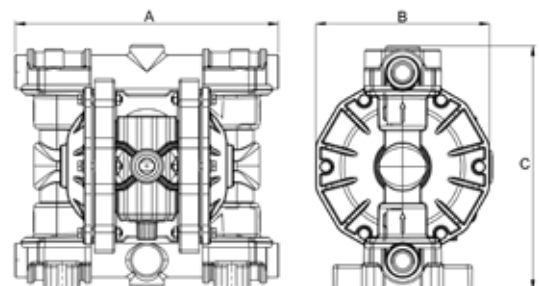


The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20 °C, and vary according to the construction material.

Dimensions

A110

A (mm)	265
B (mm)	178
C (mm)	245
Gross weight kg	6,0
MAX Temperature	-20 °C + 95 °C



Meclube Model A170

Made of ALUMINIUM

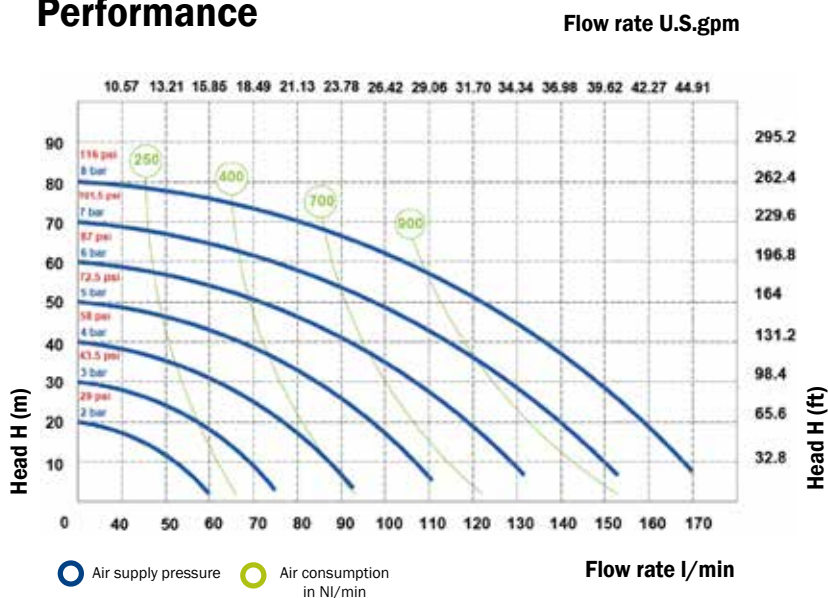
Compression ratio: **1:1**
 Max flow-rate: **170 l/min**
 Fluid connections: **1" BSP**



EX II 3/3 GD h IIB T4 135°C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-A170-AB1	ALUMINIUM	HYTREL	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-A170-AB2	ALUMINIUM	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen
028-A170-AB3	ALUMINIUM	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)
028-A170-AB4	ALUMINIUM	SANTOPRENE	EPDM	EPDM	abrasive liquids - alkaline/basic

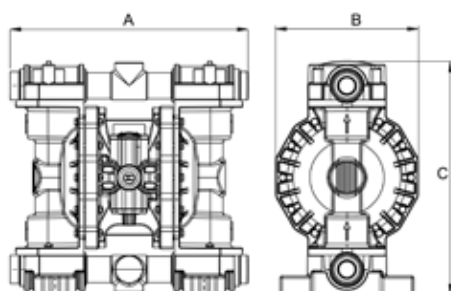
Performance



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

- Fluid connections: **1" BSP**
- Air connection: **1/2" BSP**
- Max flow-rate: **170 l/min**
- Max air pressure: **8 bar**
- Max delivery head: **80 m**
- Max Suction Lift Dry: **5,0 m**
- Max Suction Lift Wet: **9,8 m**
- Max Solid passing: **7,5 mm**
- Noise level: **75 dB**
- Displacement per cycle: **700 cm³**
- Max Viscosity: **35000 cps**



Dimensions

A170	
A (mm)	370
B (mm)	222
C (mm)	364
Gross weight kg	18,31
MAX Temperature	-20°C + 95°C




Meclube Model A250

Made of ALUMINIUM

Compression ratio: 1:1

Max flow-rate: 250 l/min

Fluid connections: 1.1/4" BSP

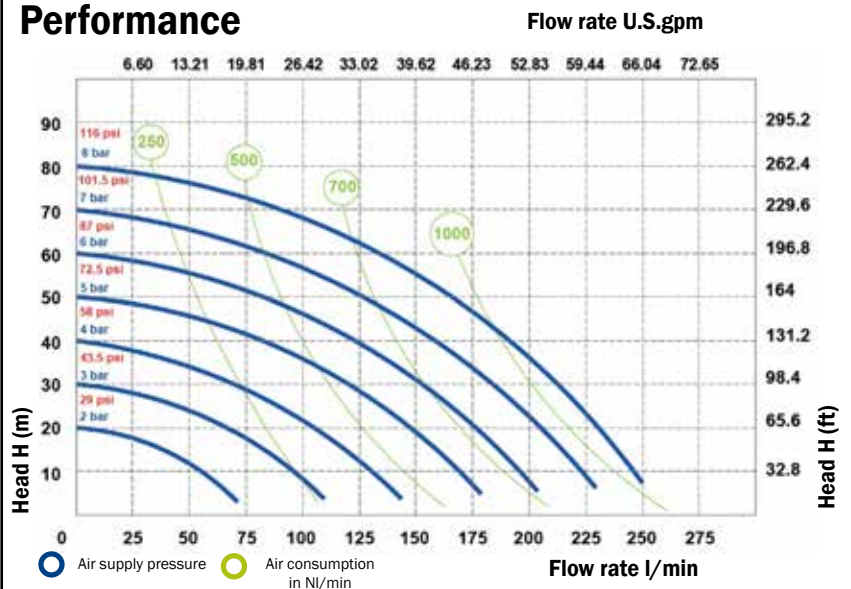
 EX II 3/3 GD h IIB T4 135 °C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-A250-AB1	ALUMINIUM	HYTREL	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-A250-AB2	ALUMINIUM	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen
028-A250-AB3	ALUMINIUM	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)
028-A250-AB4	ALUMINIUM	SANTOPRENE	EPDM	EPDM	abrasive liquids - alkaline/basic

Technical data

Fluid connections:	1.1/4" BSP
Air connection:	1/2" BSP
Max flow-rate:	250 l/min
Max air pressure:	8 bar
Max delivery head:	80 m
Max Suction Lift Dry:	5,0 m
Max Suction Lift Wet:	9,8 m
Max Solid passing:	7,5 mm
Noise level:	75 dB
Displacement per cycle:	700 cm³
Max Viscosity:	35000 cps

Performance

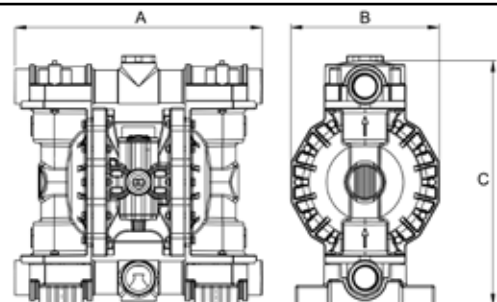


The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20 °C, and vary according to the construction material.

Dimensions

A250

A (mm)	370
B (mm)	222
C (mm)	364
Gross weight kg	13,4
MAX Temperature	-20 °C + 95 °C



Meclube Model A400

Made of ALUMINIUM

Compression ratio: 1:1
 Max flow-rate: 400 l/min
 Fluid connections: 1.1/2" BSP



EX II 3/3 GD h IIB T4 135°C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-A400-AB1	ALUMINIUM	HYTREL	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-A400-AB2	ALUMINIUM	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen
028-A400-AB3	ALUMINIUM	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)
028-A400-AB4	ALUMINIUM	SANTOPRENE	EPDM	EPDM	abrasive liquids - alkaline/basic

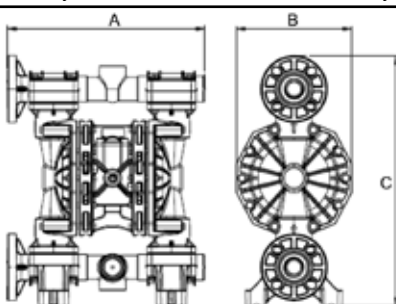
Performance



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

Fluid connections: **1.1/2" BSP**
 Air connection: **1/2" BSP**
 Max flow-rate: **400 l/min**
 Max air pressure: **8 bar**
 Max delivery head: **80 m**
 Max Suction Lift Dry: **5,0 m**
 Max Suction Lift Wet: **9,8 m**
 Max Solid passing: **8 mm**
 Noise level: **78 dB**
 Displacement per cycle: **1200 cm³**
 Max Viscosity: **40000 cps**



Dimensions

A400	
A (mm)	445
B (mm)	260
C (mm)	563
Gross weight kg	24,8
MAX Temperature	-20°C + 95°C



Meclube Model A700

Made of ALUMINIUM

Compression ratio:


1:1

Max flow-rate:

700 l/min

Fluid connections:

2" BSP

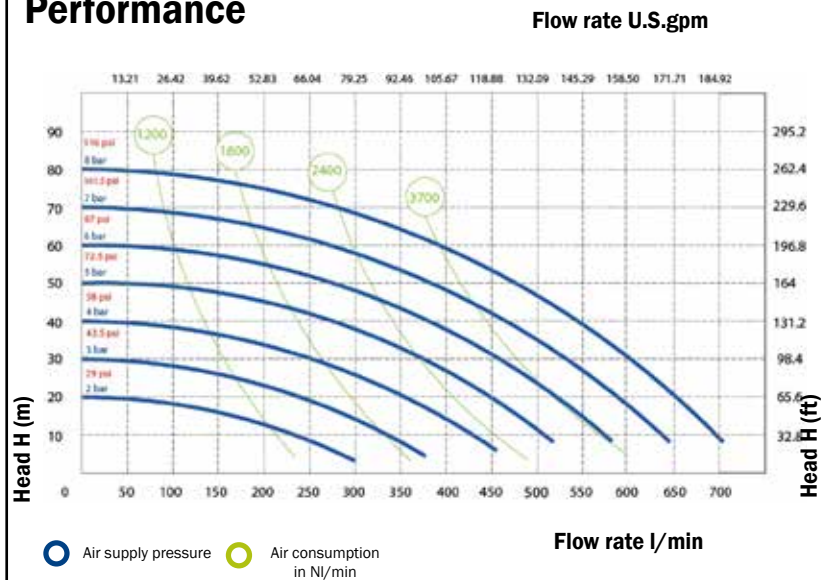
 EX II 3/3 GD h IIB T4 135 °C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-A700-AB1	ALUMINIUM	HYTREL	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-A700-AB2	ALUMINIUM	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen
028-A700-AB3	ALUMINIUM	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)
028-A700-AB4	ALUMINIUM	SANTOPRENE	EPDM	EPDM	abrasive liquids - alkaline/basic

Technical data

Fluid connections:	2" BSP
Air connection:	3/4" BSP
Max flow-rate:	700 l/min
Max air pressure:	8 bar
Max delivery head:	80 m
Max Suction Lift Dry:	5,0 m
Max Suction Lift Wet:	9,8 m
Max Solid passing:	8,5 mm
Noise level:	78 dB
Displacement per cycle:	3050 cm³
Max Viscosity:	50000 cps

Performance

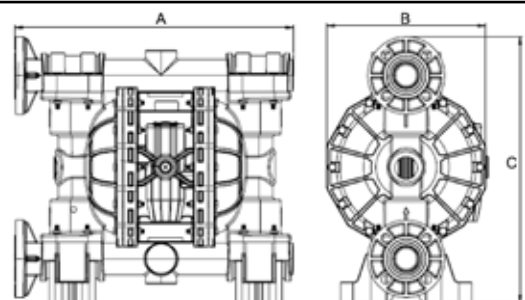


The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20 °C, and vary according to the construction material.

Dimensions

A700

A (mm)	595
B (mm)	345
C (mm)	567
Gross weight kg	41,73
MAX Temperature	-20 °C + 95 °C



Meclube Model A1050

Made of ALUMINIUM

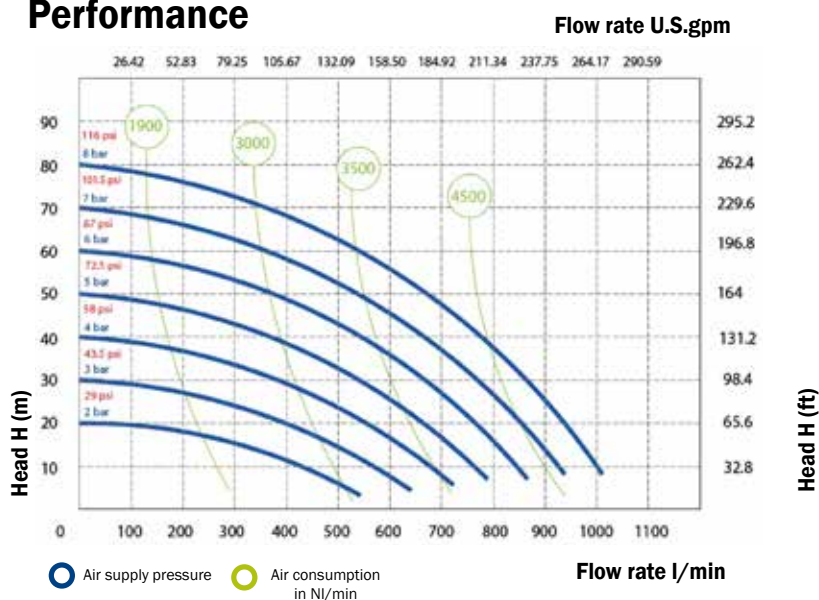
Compression ratio: 1:1
 Max flow-rate: 1050 l/min
 Fluid connections: 3" BSP



EX II 3/3 GD h IIB T4 135°C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-A1050-AB1	ALUMINIUM	HYTREL+PTFE	SS AISI 316	PTFE	oil-exhausted oil-diesel fuel
028-A1050-AB3	ALUMINIUM	HYTREL+PTFE	PTFE	PTFE	water-anti-freeze-windscreen (acids and basics)

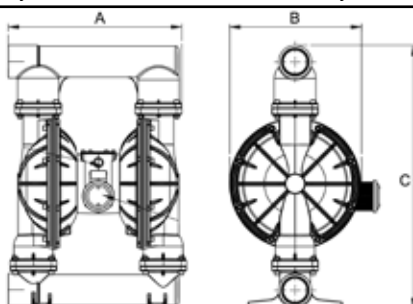
Performance



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

Fluid connections: **3" BSP**
 Air connection: **3/4" BSP**
 Max flow-rate: **1050 l/min**
 Max air pressure: **8 bar**
 Max delivery head: **80 m**
 Max Suction Lift Dry: **5,0 m**
 Max Suction Lift Wet: **9,8 m**
 Max Solid passing: **12 mm**
 Noise level: **82 dB**
 Displacement per cycle: **9750 cm³**
 Max Viscosity: **55000 cps**



Dimensions

A1050

A (mm) 570
 B (mm) 420
 C (mm) 838
 Gross weight kg 69,6
 MAX Temperature -20°C + 95°C




Meclube Model SS20

Made of STAINLESS STEEL AISI 316

Compression ratio: 1:1

Max flow-rate: 20 l/min

Fluid connections: 3/8" BSP

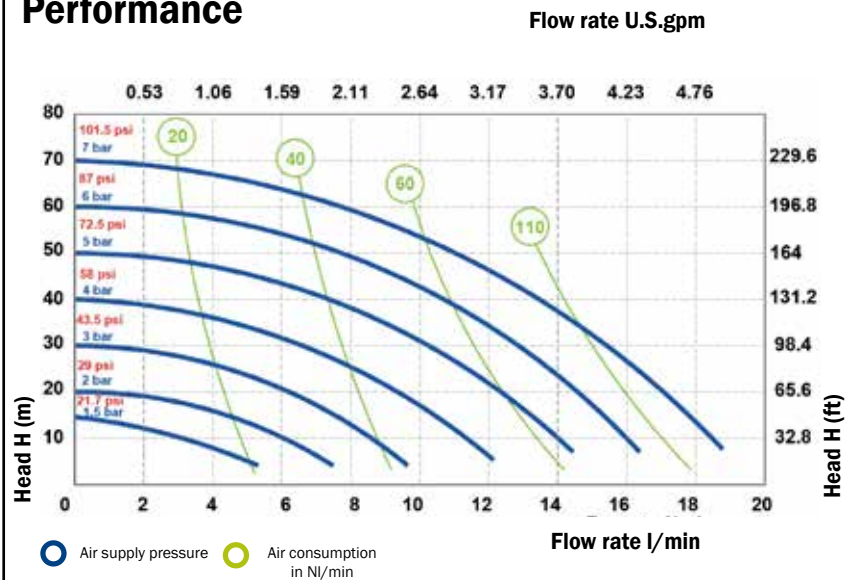
 EX II 3/3 GD h IIB T4 135 °C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-S020-AB1	SS AISI 316	NBR+PTFE	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-S020-AB2	SS AISI 316	NBR+PTFE	PTFE	VITON	water-anti-freeze-windscreen-urea-AdBlue
028-S020-AB3	SS AISI 316	NBR+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)

Technical data

Fluid connections:	3/8" BSP
Air connection:	6 mm
Max flow-rate:	20 l/min
Max air pressure:	7 bar
Max delivery head:	70 m
Max Suction Lift Dry:	5,0 m
Max Suction Lift Wet:	9,8 m
Max Solid passing:	2,5 mm
Noise level:	65 dB
Displacement per cycle:	30 cm³
Max Viscosity:	10000 cps

Performance

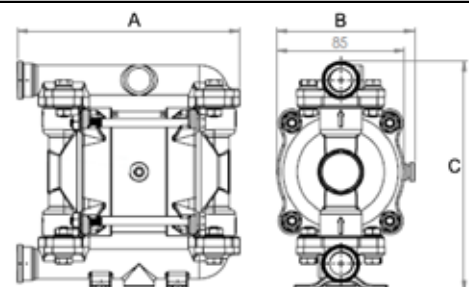


The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20 °C, and vary according to the construction material.

Dimensions

SS20

A (mm)	148
B (mm)	92
C (mm)	152
Gross weight kg	2,49
MAX Temperature	-20 °C + 95 °C



Meclube Model SS35

Made of STAINLESS STEEL AISI 316

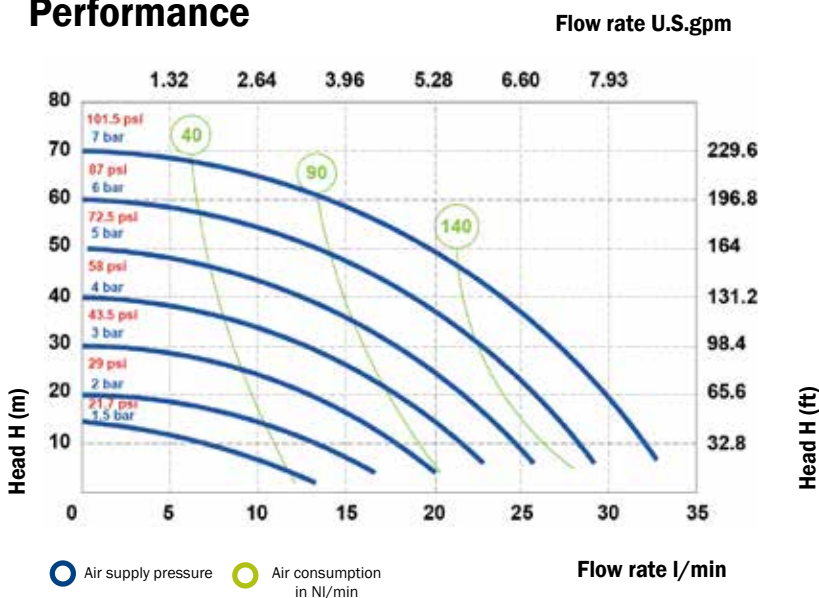
Compression ratio: 1:1
 Max flow-rate: 35 l/min
 Fluid connections: 1/2" BSP



EX II 3/3 GD h IIB T4 135°C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-S035-AB1	SS AISI 316	HYTREL+PTFE	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-S035-AB2	SS AISI 316	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen-urea-AdBlue
028-S035-AB3	SS AISI 316	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)
028-S035-AB4	SS AISI 316	HYTREL+PTFE	EPDM	EPDM	abrasive liquids - alkaline/basic

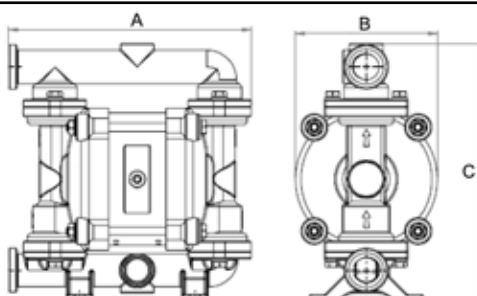
Performance



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

Fluid connections: **1/2" BSP**
 Air connection: **6 mm**
 Max flow-rate: **35 l/min**
 Max air pressure: **7 bar**
 Max delivery head: **70 m**
 Max Suction Lift Dry: **5,0 m**
 Max Suction Lift Wet: **9,8 m**
 Max Solid passing: **3 mm**
 Noise level: **65 dB**
 Displacement per cycle: **65 cm³**
 Max Viscosity: **15000 cps**



Dimensions

SS35

A (mm) 181
 B (mm) 106
 C (mm) 192
 Gross weight kg 4,38
 MAX Temperature -20°C + 95°C




Meclube Model SS55

Made of STAINLESS STEEL AISI 316

Compression ratio: 1:1

Max flow-rate: 55 l/min

Fluid connections: 1/2" BSP

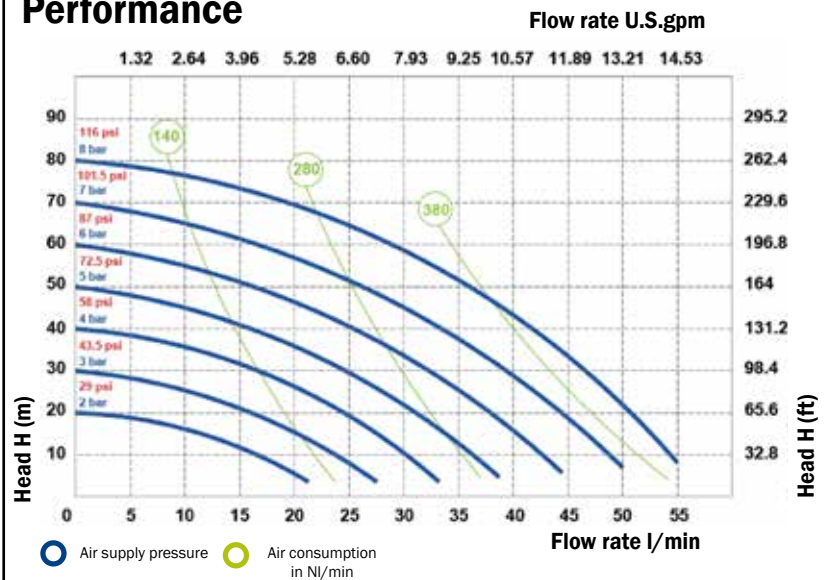
 EX II 3/3 GD h IIB T4 135 °C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-S055-AB1	SS AISI 316	HYTREL+PTFE	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-S055-AB2	SS AISI 316	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen-urea-AdBlue
028-S055-AB3	SS AISI 316	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)
028-S055-AB4	SS AISI 316	HYTREL+PTFE	EPDM	EPDM	abrasive liquids - alkaline/basic

Technical data

Fluid connections:	1/2" BSP
Air connection:	1/4" BSP
Max flow-rate:	55 l/min
Max air pressure:	8 bar
Max delivery head:	80 m
Max Suction Lift Dry:	5,0 m
Max Suction Lift Wet:	9,8 m
Max Solid passing:	3,5 mm
Noise level:	70 dB
Displacement per cycle:	140 cm³
Max Viscosity:	20000 cps

Performance

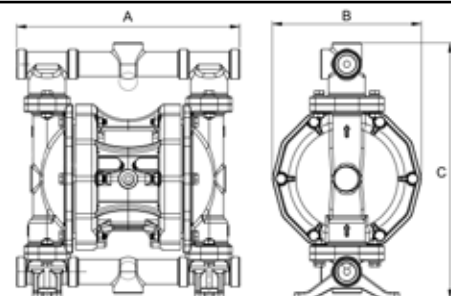


The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20 °C, and vary according to the construction material.

Dimensions

SS55

A (mm)	234
B (mm)	156
C (mm)	268
Gross weight kg	7,63
MAX Temperature	-20 °C + 95 °C



Meclube Model SS110

Made of STAINLESS STEEL AISI 316

Compression ratio: 1:1

Max flow-rate: 110 l/min

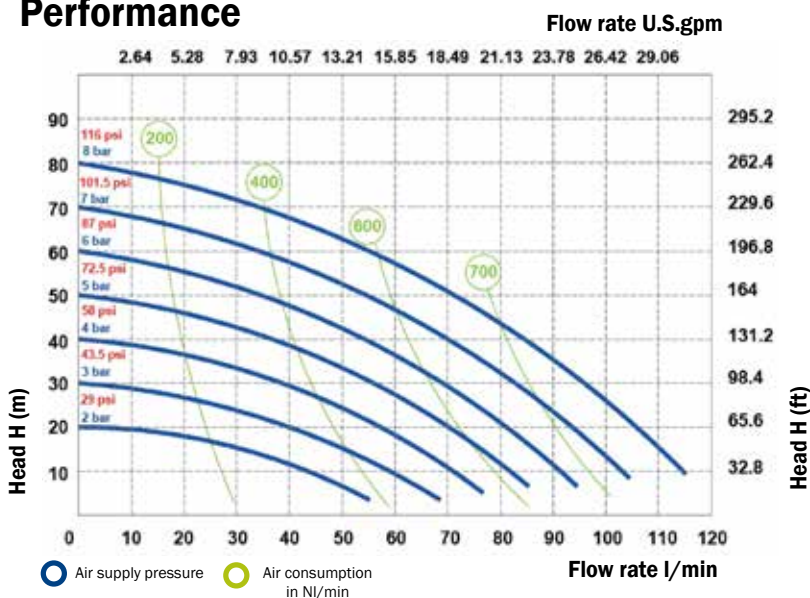
Fluid connections: 3/4" BSP



EX II 3/3 GD h IIB T4 135°C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-S110-AB1	SS AISI 316	HYTREL+PTFE	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-S110-AB2	SS AISI 316	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen-urea-AdBlue
028-S110-AB3	SS AISI 316	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)
028-S110-AB4	SS AISI 316	HYTREL+PTFE	EPDM	EPDM	abrasive liquids - alkaline/basic

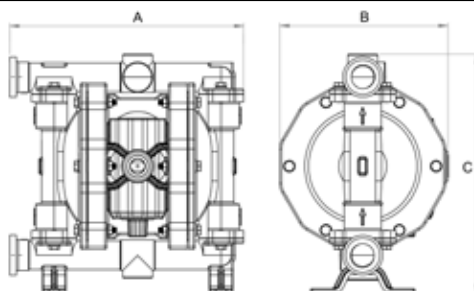
Performance



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

Fluid connections:	3/4" BSP
Air connection:	3/8" BSP
Max flow-rate:	110 l/min
Max air pressure:	8 bar
Max delivery head:	80 m
Max Suction Lift Dry:	5,0 m
Max Suction Lift Wet:	9,8 m
Max Solid passing:	4 mm
Noise level:	72 dB
Displacement per cycle:	200 cm³
Max Viscosity:	25000 cps



Dimensions

SS110

A (mm)	280
B (mm)	178
C (mm)	291
Gross weight kg	9,2
MAX Temperature	-20°C + 95°C




Meclube Model SS170

Made of STAINLESS STEEL AISI 316

Compression ratio: 1:1

Max flow-rate: 170 l/min

Fluid connections: 1" BSP

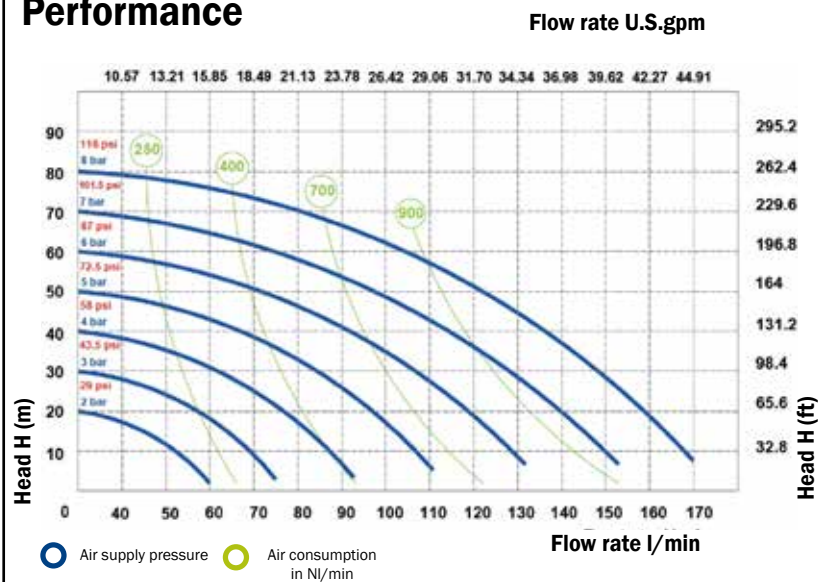
 EX II 3/3 GD h IIB T4 135 °C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-S170-AB1	SS AISI 316	HYTREL+PTFE	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-S170-AB2	SS AISI 316	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen-urea-AdBlue
028-S170-AB3	SS AISI 316	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)
028-S170-AB4	SS AISI 316	HYTREL+PTFE	EPDM	EPDM	abrasive liquids - alkaline/basic

Technical data

Fluid connections:	1" BSP
Air connection:	1/2" BSP
Max flow-rate:	170 l/min
Max air pressure:	8 bar
Max delivery head:	80 m
Max Suction Lift Dry:	5,0 m
Max Suction Lift Wet:	9,8 m
Max Solid passing:	7,5 mm
Noise level:	75 dB
Displacement per cycle:	700 cm³
Max Viscosity:	35000 cps

Performance

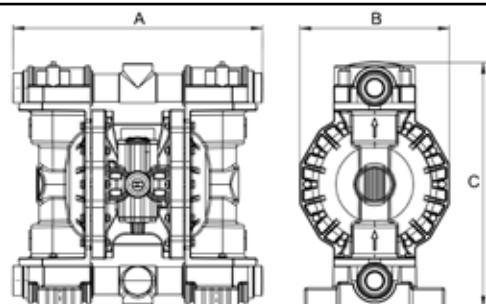


The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20 °C, and vary according to the construction material.

Dimensions

SS170

A (mm)	357
B (mm)	222
C (mm)	371
Gross weight kg	17,88
MAX Temperature	-20 °C + 95 °C



Meclube Model SS250

Made of STAINLESS STEEL AISI 316

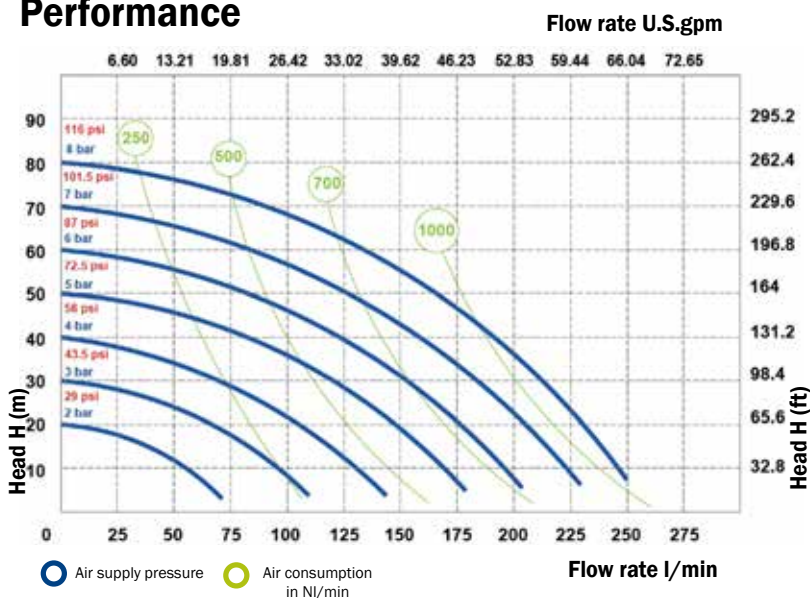
Compression ratio: 1:1
 Max flow-rate: 250 l/min
 Fluid connections: 1.1/4" BSP



EX II 3/3 GD h IIB T4 135°C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-S250-AB1	SS AISI 316	HYTREL+PTFE	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-S250-AB2	SS AISI 316	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen-urea-AdBlue
028-S250-AB3	SS AISI 316	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)
028-S250-AB4	SS AISI 316	HYTREL+PTFE	EPDM	EPDM	abrasive liquids - alkaline/basic

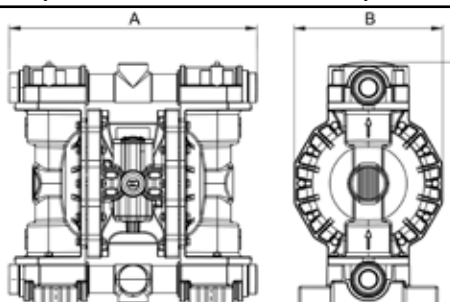
Performance



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

Fluid connections: **1.1/4" BSP**
 Air connection: **1/2" BSP**
 Max flow-rate: **250 l/min**
 Max air pressure: **8 bar**
 Max delivery head: **80 m**
 Max Suction Lift Dry: **5,0 m**
 Max Suction Lift Wet: **9,8 m**
 Max Solid passing: **7,5 mm**
 Noise level: **75 dB**
 Displacement per cycle: **700 cm³**
 Max Viscosity: **35000 cps**



Dimensions

SS250

A (mm) 357
 B (mm) 222
 C (mm) 371
 Gross weight kg 18,39
 MAX Temperature -20°C + 95°C



AIR-OPERATED DOUBLE DIAPHRAGM PUMPS



Meclube Model SS400

Made of STAINLESS STEEL AISI 316

Compression ratio: 1:1

Max flow-rate: 400 l/min

Fluid connections: 1.1/2" BSP

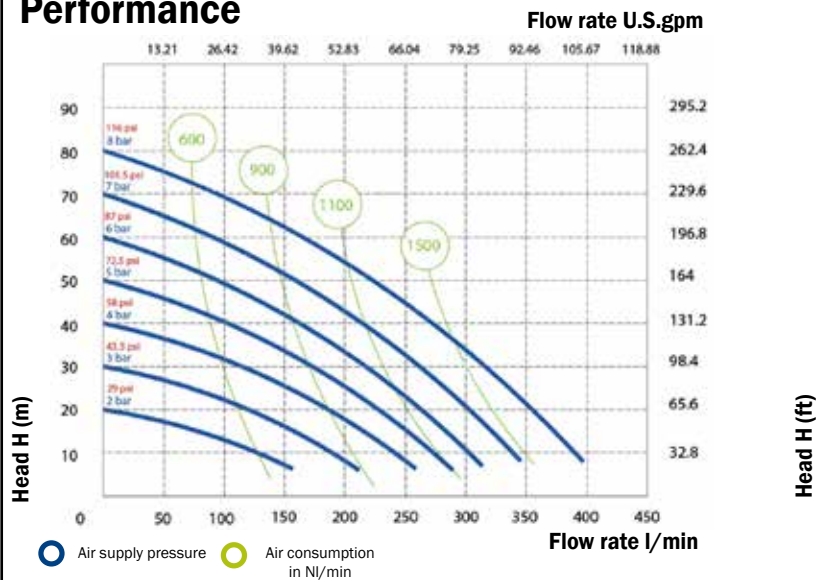
EX II 3/3 GD h IIB T4 135 °C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-S400-EF1	SS AISI 316	HYTREL+PTFE	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-S400-EF2	SS AISI 316	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen-urea-AdBlue
028-S400-EF3	SS AISI 316	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)
028-S400-EF4	SS AISI 316	HYTREL+PTFE	EPDM	EPDM	abrasive liquids - alkaline/basic

Technical data

Fluid connections:	1.1/2" BSP
Air connection:	1/2" BSP
Max flow-rate:	400 l/min
Max air pressure:	8 bar
Max delivery head:	80 m
Max Suction Lift Dry:	5,0 m
Max Suction Lift Wet:	9,8 m
Max Solid passing:	8 mm
Noise level:	78 dB
Displacement per cycle:	1200 cm³
Max Viscosity:	40000 cps

Performance

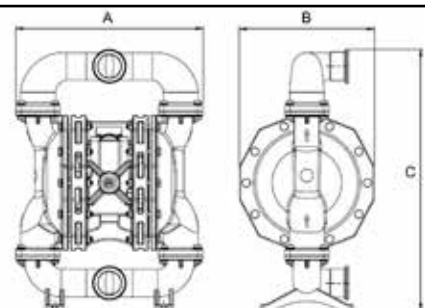


The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20 °C, and vary according to the construction material.

Dimensions

SS400

A (mm)	361
B (mm)	260
C (mm)	502
Gross weight kg	26,3
MAX Temperature	-20 °C + 95 °C



Meclube Model SS700

Made of STAINLESS STEEL AISI 316

Compression ratio: 1:1
 Max flow-rate: 700 l/min
 Fluid connections: 2" BSP

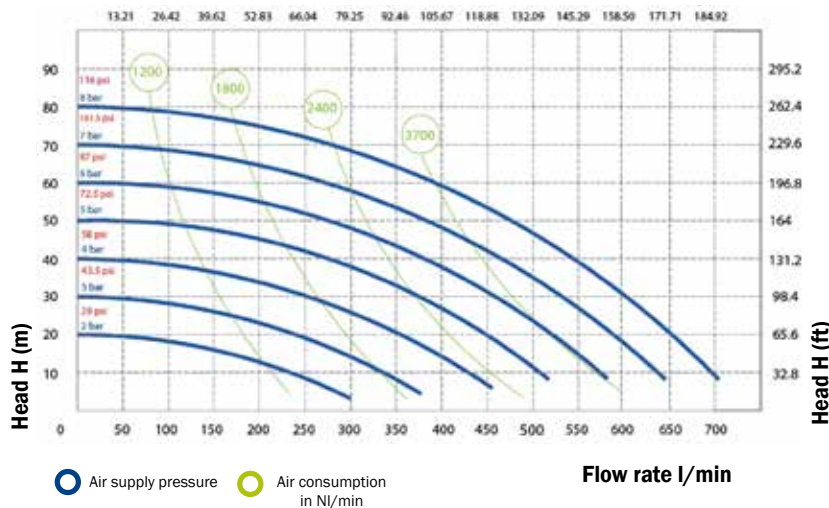


EX II 3/3 GD h IIB T4 135°C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-S700-EF1	SS AISI 316	HYTREL+PTFE	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-S700-EF2	SS AISI 316	HYTREL+PTFE	PTFE	VITON	water-anti-freeze-windscreen-urea-AdBlue
028-S700-EF3	SS AISI 316	HYTREL+PTFE	PTFE	PTFE	aggressive fluids (acids and basics)
028-S700-EF4	SS AISI 316	HYTREL+PTFE	EPDM	EPDM	abrasive liquids - alkaline/basic

Performance

Flow rate U.S.gpm

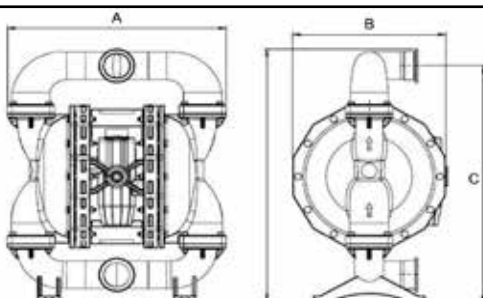


Air supply pressure Air consumption in NI/min

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.

Technical data

Fluid connections: **2" BSP**
 Air connection: **3/4" BSP**
 Max flow-rate: **700 l/min**
 Max air pressure: **8 bar**
 Max delivery head: **80 m**
 Max Suction Lift Dry: **5,0 m**
 Max Suction Lift Wet: **9,8 m**
 Max Solid passing: **8,5 mm**
 Noise level: **78 dB**
 Displacement per cycle: **3050 cm³**
 Max Viscosity: **50000 cps**



Dimensions

SS700

A (mm) 487
 B (mm) 345
 C (mm) 599
 Gross weight kg 53,8
 MAX Temperature -20°C + 95°C

Air-operated double diaphragm pumps
made of **ELECTRO-POLISHED** SS AISI 316
Flow-rate from 20 l/min to 700 l/min
Connection from 3/8" to 2"



EX II 3/3 GD h IIB T4 135 °C ATEX zone2

Meclube Model FOOD SS20

Made of electro-polished
SS AISI 316

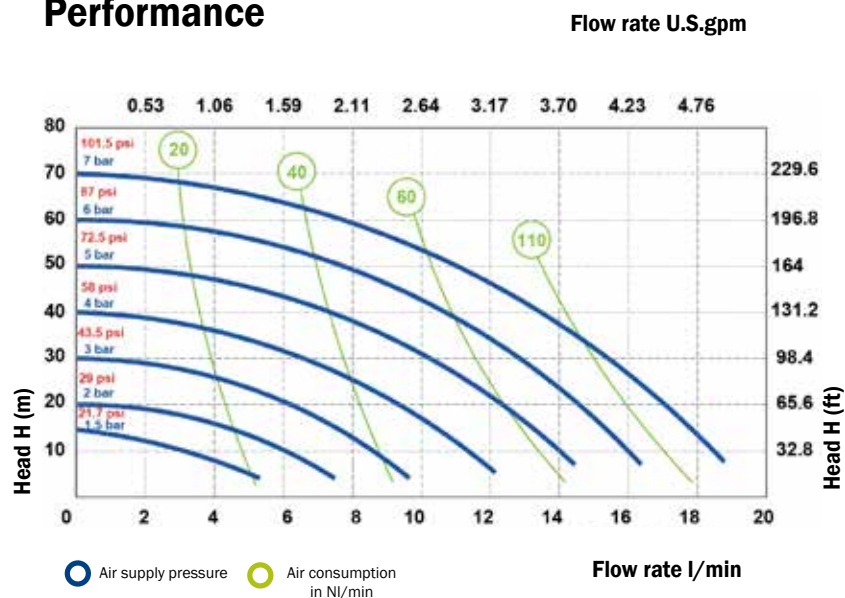
Compression ratio: 1:1
Max flow-rate: 20 l/min
Fluid connections: 3/4" Tri-Clamp



EX II 3/3 GD h IIB T4 135°C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-F020-AB1	SS AISI 316 E-P	HYTREL+PTFE	SS AISI 316	PTFE	high viscosity food products
028-F020-AB2	SS AISI 316 E-P	HYTREL+PTFE	PTFE	PTFE	low viscosity food and drink products

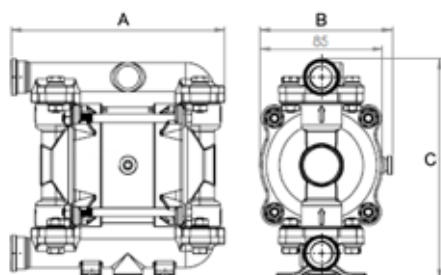
Performance



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

Fluid connections:	3/4" Tri-Clamp
Air connection:	6 mm
Max flow-rate:	20 l/min
Max air pressure:	7 bar
Max delivery head:	70 m
Max Suction Lift Dry:	5,0 m
Max Suction Lift Wet:	9,8 m
Max Solid passing:	2,5 mm
Noise level:	65 dB
Displacement per cycle:	30 cm³
Max Viscosity:	10000 cps



Dimensions

Food SS20	
A (mm)	148
B (mm)	92
C (mm)	153
Gross weight kg	2,49
MAX Temperature	-20°C + 95°C




Meclube Model FOOD SS35

Made of electro-polished
SS AISI 316

Compression ratio: 1:1
Max flow-rate: 35 l/min
Fluid connections: 1" Tri-Clamp



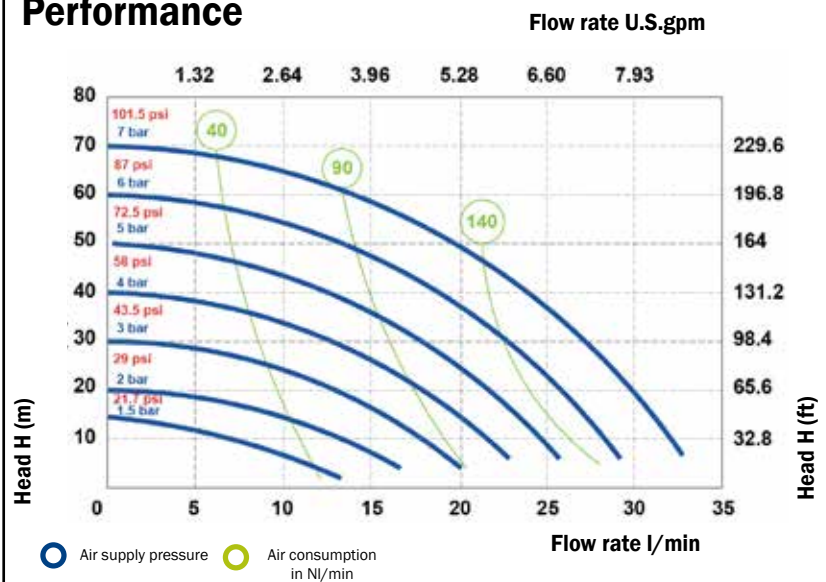
 EX II 3/3 GD h IIB T4 135 °C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-F035-AB1	SS AISI 316 E-P	HYTREL+PTFE	SS AISI 316	PTFE	high viscosity food products
028-F035-AB2	SS AISI 316 E-P	HYTREL+PTFE	PTFE	PTFE	low viscosity food and drink products

Technical data

Fluid connections:	1" Tri-Clamp
Air connection:	6 mm
Max flow-rate:	35 l/min
Max air pressure:	7 bar
Max delivery head:	70 m
Max Suction Lift Dry:	5 m
Max Suction Lift Wet:	9,8 m
Max Solid passing:	3 mm
Noise level:	65 dB
Displacement per cycle:	65 cm³
Max Viscosity:	15000 cps

Performance

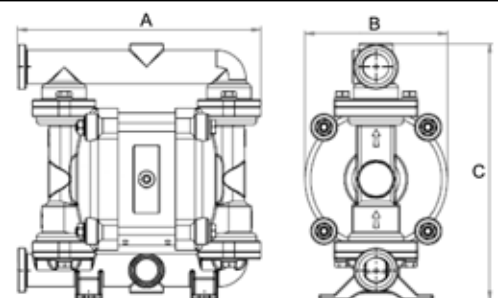


The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20 °C, and vary according to the construction material.

Dimensions

Food SS35

A (mm)	184
B (mm)	106
C (mm)	203
Gross weight kg	4,47
MAX Temperature	-20 °C + 95 °C



Meclube Model FOOD SS65

Made of electro-polished
SS AISI 316

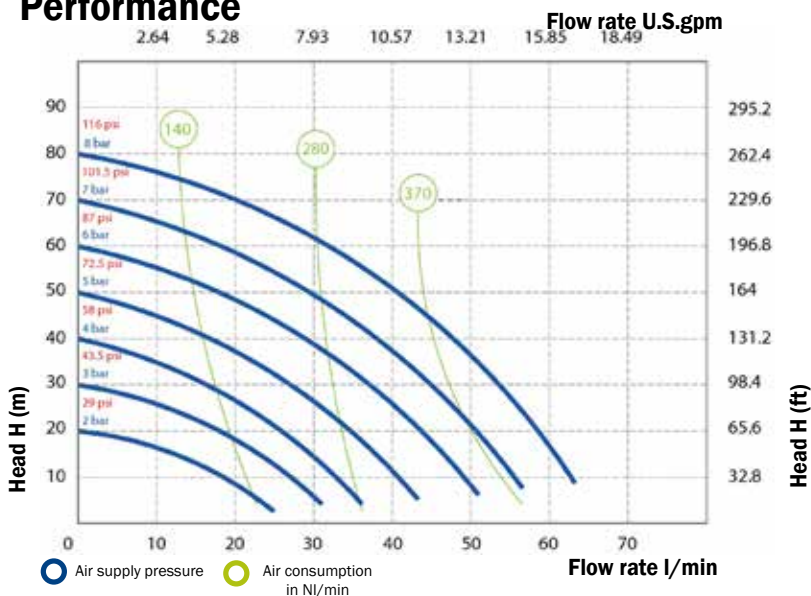
Compression ratio: 1:1
Max flow-rate: 65 l/min
Fluid connections: 1" Tri-Clamp



EX II 3/3 GD h IIB T4 135°C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-F065-AB1	SS AISI 316 E-P	HYTREL+PTFE	SS AISI 316	PTFE	high viscosity food products
028-F065-AB2	SS AISI 316 E-P	HYTREL+PTFE	PTFE	PTFE	low viscosity food and drink products

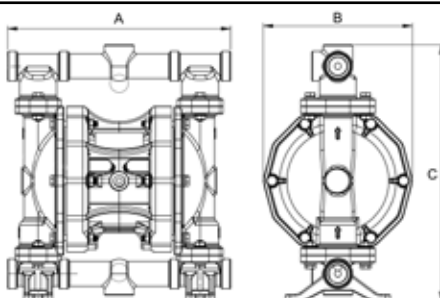
Performance



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

Fluid connections: **1" Tri-Clamp**
 Air connection: **1/4" BSP**
 Max flow-rate: **65 l/min**
 Max air pressure: **8 bar**
 Max delivery head: **80 m**
 Max Suction Lift Dry: **5,0 m**
 Max Suction Lift Wet: **9,8 m**
 Max Solid passing: **3,5 mm**
 Noise level: **72 dB**
 Displacement per cycle: **140 cm³**
 Max Viscosity: **20000 cps**



Dimensions

Food SS65

A (mm) 246
 B (mm) 165
 C (mm) 271
 Gross weight kg 8,22
 MAX Temperature -20°C + 95°C




Meclube Model FOOD SS120

Made of electro-polished
SS AISI 316

Compression ratio: **1:1**
Max flow-rate: **120 l/min**
Fluid connections: **1.1/2" Tri-Clamp**



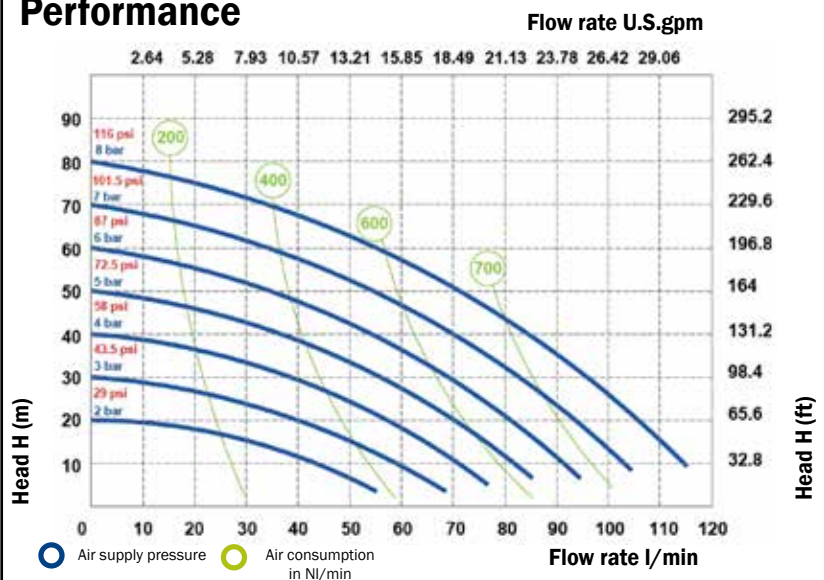
 EX II 3/3 GD h IIB T4 135 °C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-F120-AB1	SS AISI 316 E-P	NBR+PTFE	SS AISI 316	PTFE	high viscosity food products
028-F120-AB2	SS AISI 316 E-P	NBR+PTFE	PTFE	PTFE	low viscosity food and drink products

Technical data

Fluid connections:	1.1/2" Tri-Clamp
Air connection:	3/8" BSP
Max flow-rate:	120 l/min
Max air pressure:	8 bar
Max delivery head:	80 m
Max Suction Lift Dry:	5 m
Max Suction Lift Wet:	9,8 m
Max Solid passing:	4,0 mm
Noise level:	72 dB
Displacement per cycle:	200 cm³
Max Viscosity:	25000 cps

Performance

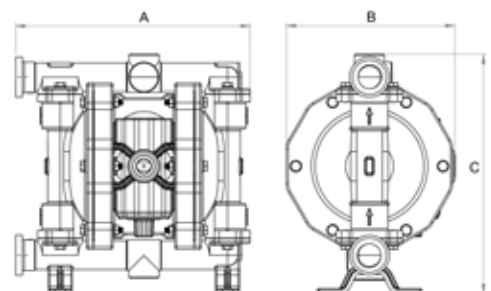


The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20 °C, and vary according to the construction material.

Dimensions

Food SS120

A (mm)	259
B (mm)	177
C (mm)	296
Gross weight kg	9,53
MAX Temperature	-20 °C + 95 °C



Meclube Model FOOD SS170

Made of electro-polished
SS AISI 316

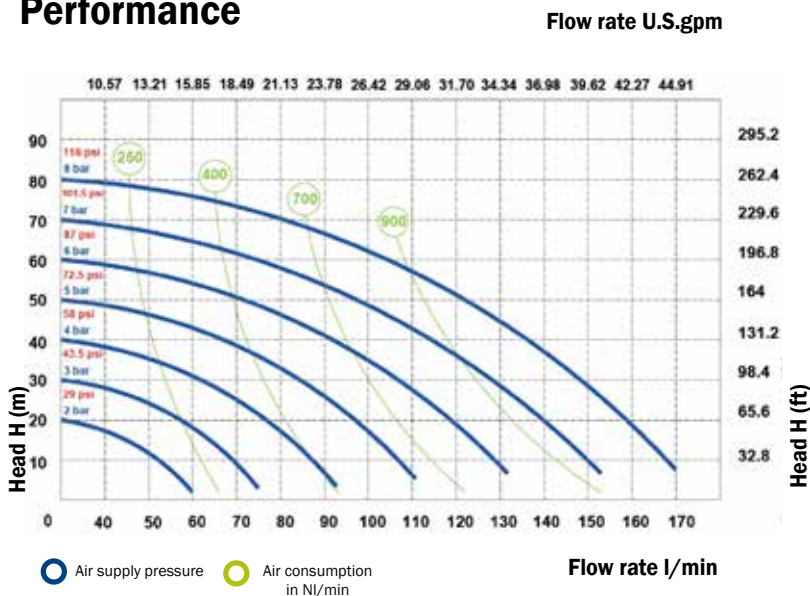
Compression ratio: 1:1
Max flow-rate: 170 l/min
Fluid connections: 1.1/2" Tri-Clamp



EX II 3/3 GD h IIB T4 135°C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-F170-AB1	SS AISI 316 E-P	NBR+PTFE	SS AISI 316	PTFE	high viscosity food products
028-F170-AB2	SS AISI 316 E-P	NBR+PTFE	PTFE	PTFE	low viscosity food and drink products

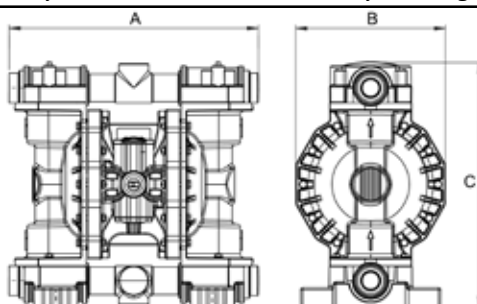
Performance



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

Fluid connections: **1.1/2" Tri-Clamp**
 Air connection: **1/2" BSP**
 Max flow-rate: **170 l/min**
 Max air pressure: **8 bar**
 Max delivery head: **80 m**
 Max Suction Lift Dry: **5,0 m**
 Max Suction Lift Wet: **9,8 m**
 Max Solid passing: **7,5 mm**
 Noise level: **75 dB**
 Displacement per cycle: **700 cm³**
 Max Viscosity: **35000 cps**



Dimensions

Food SS170

A (mm) 357
 B (mm) 222
 C (mm) 371
 Gross weight kg 17,94
 MAX Temperature -20°C + 95°C




Meclube Model FOOD SS400

Made of electro-polished
SS AISI 316

Compression ratio: **1:1**
Max flow-rate: **400 l/min**
Fluid connections: **2" Tri-Clamp**



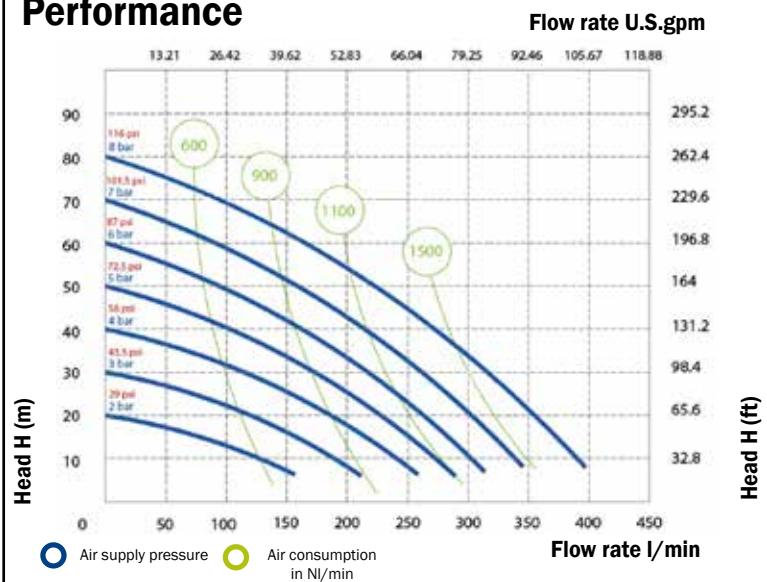
 EX II 3/3 GD h IIB T4 135 °C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-F400-EF1	SS AISI 316 E-P	NBR+PTFE	SS AISI 316	PTFE	high viscosity food products
028-F400-EF2	SS AISI 316 E-P	NBR+PTFE	PTFE	PTFE	low viscosity food and drink products

Technical data

Fluid connections:	2" Tri-Clamp
Air connection:	1/2" BSP
Max flow-rate:	400 l/min
Max air pressure:	8 bar
Max delivery head:	80 m
Max Suction Lift Dry:	5,0 m
Max Suction Lift Wet:	9,8 m
Max Solid passing:	8 mm
Noise level:	78 dB
Displacement per cycle:	1200 cm³
Max Viscosity:	40000 cps

Performance

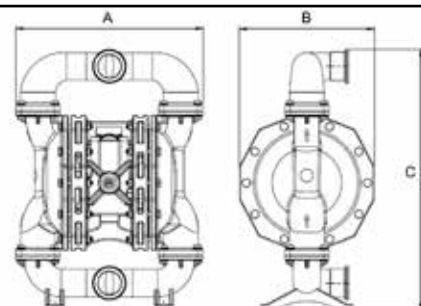


The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20 °C, and vary according to the construction material.

Dimensions

Food SS400

A (mm)	361
B (mm)	260
C (mm)	501,5
Gross weight kg	26,60
MAX Temperature	-20 °C + 95 °C



Meclube Model FOOD SS700

Made of electro-polished
SS AISI 316

Compression ratio: 1:1
Max flow-rate: 700 l/min
Fluid connections: 2.1/2" Tri-Clamp

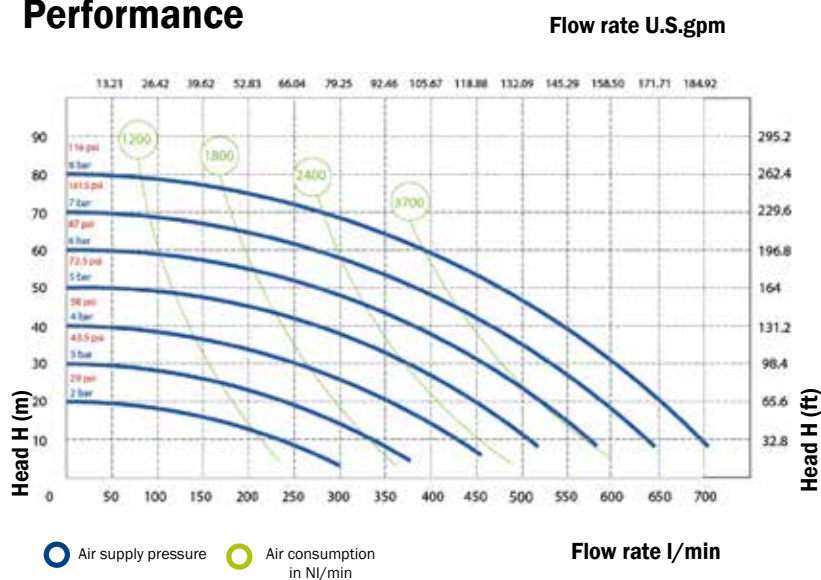


EX II 3/3 GD h IIB T4 135°C ATEX zone2

FDA
compliant

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-F700-EF1	SS AISI 316 E-P	NBR+PTFE	SS AISI 316	PTFE	high viscosity food products
028-F700-EF2	SS AISI 316 E-P	NBR+PTFE	PTFE	PTFE	low viscosity food and drink products

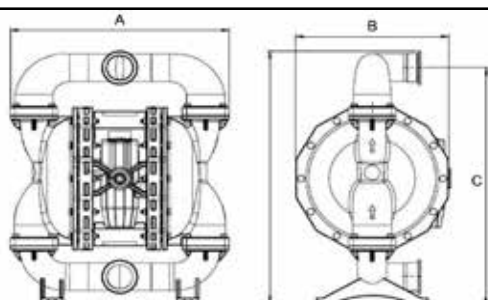
Performance



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

Fluid connections: **2.1/2" Tri-Clamp**
Air connection: **3/4" BSP**
Max flow-rate: **700 l/min**
Max air pressure: **8 bar**
Max delivery head: **80 m**
Max Suction Lift Dry: **5,0 m**
Max Suction Lift Wet: **9,8 m**
Max Solid passing: **8,5 mm**
Noise level: **78 dB**
Displacement per cycle: **3050 cm³**
Max Viscosity: **50000 cps**



Dimensions

Food SS700	
A (mm)	487
B (mm)	345
C (mm)	598
Gross weight kg	53,2
MAX Temperature	-20°C + 95°C




DRUM-MEC Model P55TB

Made of POLYPROPYLENE

Compression ratio: 1:1
 Max flow rate: 55 l/min
 Fluid connections: 1/2” BSP

Equipped with:

Suction hose (A28-1264-094) in acetalic resin with threaded ring for fixing to the drum M2” and adaptor M56X4 - F2”

 EX II 3/3 GD h IIB T4 135°C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-P055-TB1	POLYPROPYLENE	HYTREL	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-P055-TB3	POLYPROPYLENE	HYTREL+PTFE	PTFE	PTFE	water-anti-freeze-windscreen-urea-AdBlue




DRUM-MEC Model P110TB

Made of POLYPROPYLENE

Compression ratio: 1:1
 Max flow rate: 110 l/min
 Fluid connections: 3/4” BSP

Equipped with:

Suction hose (A28-1264-094) in acetalic resin with threaded ring for fixing to the drum M2” and adaptor M56X4 - F2”

 EX II 3/3 GD h IIB T4 135°C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-P110-TB1	POLYPROPYLENE	HYTREL	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-P110-TB3	POLYPROPYLENE	HYTREL+PTFE	PTFE	PTFE	water-anti-freeze-windscreen-urea-AdBlue



TECHNICAL DATA	028-P055-TB1	028-P055-TB3	028-P110-TB1	028-P110-TB3
Fluid connections	1/2”BSP	1/2”BSP	3/4”BSP	3/4”BSP
Air connection	1/4” BSP	1/4” BSP	3/8” BSP	3/8” BSP
Max flow-rate	55 l/min	55 l/min	110 l/min	110 l/min
Max air pressure	8 bar	8 bar	8 bar	8 bar
Max delivery head	80 m	80 m	80 m	80 m
Max Suction Lift Dry	5 m	5 m	5 m	5 m
Max Suction Lift Wet	9,8 m	9,8 m	9,8 m	9,8 m
Max Solid passing	3,5 mm	3,5 mm	4,0 mm	4,0 mm
Noise level	70 dB	70 dB	72 dB	72 dB
Displacement per cycle	140 cm ³	140 cm ³	200 cm ³	200 cm ³
Max Viscosity	20000 cps	20000 cps	25000 cps	25000 cps

DRUM-MEC Model A55TB

Made of ALUMINIUM

Compression ratio: 1:1
 Max flow rate: 55 l/min
 Fluid connections: 1/2" BSP

Equipped with:

Suction hose (A28-1274-094) in galvanized steel with brass foot valve, threaded ring for fixing to the drum M2" and adaptor M56X4 - F2"



EX II 3/3 GD h IIB T4 135°C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-A055-TB1	ALUMINIUM	HYTREL	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-A055-TB3	ALUMINIUM	HYTREL+PTFE	PTFE	PTFE	water-anti-freeze-windscreen

DRUM-MEC Model A110TB

Made of ALUMINIUM

Compression ratio: 1:1
 Max flow rate: 110 l/min
 Fluid connections: 3/4" BSP

Equipped with:

Suction hose (A28-1274-094) in galvanized steel with brass foot valve, threaded ring for fixing to the drum M2" and adaptor M56X4 - F2"



EX II 3/3 GD h IIB T4 135°C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-A110-TB1	ALUMINIUM	HYTREL	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-A110-TB3	ALUMINIUM	HYTREL+PTFE	PTFE	PTFE	water-anti-freeze-windscreen

TECHNICAL DATA	028-A055-TB1	028-A055-TB3	028-A110-TB1	028-A110-TB3
Fluid connections	1/2" BSP	1/2" BSP	3/4" BSP	3/4" BSP
Air connection	1/4" BSP	1/4" BSP	3/8" BSP	3/8" BSP
Max flow-rate	55 l/min	55 l/min	110 l/min	110 l/min
Max air pressure	8 bar	8 bar	8 bar	8 bar
Max delivery head	80 m	80 m	80 m	80 m
Max Suction Lift Dry	5 m	5 m	5 m	5 m
Max Suction Lift Wet	9,8 m	9,8 m	9,8 m	9,8 m
Max Solid passing	3,5 mm	3,5 mm	4,0 mm	4,0 mm
Noise level	70 dB	70 dB	72 dB	72 dB
Displacement per cycle	140 cm ³	140 cm ³	200 cm ³	200 cm ³
Max Viscosity	20000 cps	20000 cps	25000 cps	25000 cps






TWIN-MEC Model A55TW

Made of ALUMINIUM

Compression ratio: 1:1
 Max flow rate: 55 l/min
 Fluid connections: 1/2" BSP

 EX II 3/3 GD h IIB T4 135°C ATEX zone2


ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-A055-TW1	ALUMINIUM	HYTREL	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-A055-TW3	ALUMINIUM	HYTREL+PTFE	PTFE	PTFE	water-anti-freeze-windscreen



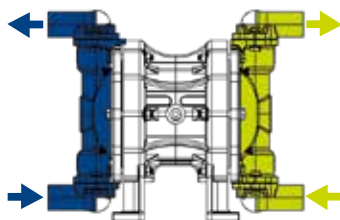
TWIN-MEC Model A110TW

Made of ALUMINIUM

Compression ratio: 1:1
 Max flow rate: 110 l/min
 Fluid connections: 3/4" BSP

 EX II 3/3 GD h IIB T4 135°C ATEX zone2

ARTICLE	CASING	DIAPHRAGM	BALLS	GASKET	FLUIDS
028-A110-TW1	ALUMINIUM	HYTREL	SS AISI 316	NBR	oil-exhausted oil-diesel fuel
028-A110-TW3	ALUMINIUM	HYTREL+PTFE	PTFE	PTFE	water-anti-freeze-windscreen



TECHNICAL DATA	028-A055-TW1	028-A055-TW3	028-A110-TW1	028-A110-TW3
Fluid connections	1/2" BSP	1/2" BSP	3/4" BSP	3/4" BSP
Air connection	1/4" BSP	1/4" BSP	3/8" BSP	3/8" BSP
Max flow-rate	55 l/min	55 l/min	110 l/min	110 l/min
Max air pressure	8 bar	8 bar	8 bar	8 bar
Max delivery head	80 m	80 m	80 m	80 m
Max Suction Lift Dry	5 m	5 m	5 m	5 m
Max Suction Lift Wet	9,8 m	9,8 m	9,8 m	9,8 m
Max Solid passing	3,5 mm	3,5 mm	4,0 mm	4,0 mm
Noise level	70 dB	70 dB	72 dB	72 dB
Displacement per cycle	140 cm ³	140 cm ³	200 cm ³	200 cm ³
Max Viscosity	20000 cps	20000 cps	25000 cps	25000 cps

TWIN-MEC pumps are mainly used in the textile and paper processing industry. These dual action pumps are able to transfer two different fluids independently and simultaneously. This is accomplished by using separate connections on the suction and discharge ports, keeping two pumped fluids isolated from each other, preventing unwanted mixing.

Pressure regulators with pressure gauge

ARTICLE	THREAD	REGOULATION	FLOW RATE
014-1045-000	F-F 1/4"	0÷8 bar	2050 NI/min
014-1045-B00	F-F 1/2"	0÷8 bar	3200 NI/min
014-1045-C00	F-F 3/4"	0÷8 bar	6200 NI/min
014-1045-D00	F-F 1"	0÷8 bar	6200 NI/min



Pressure regulators with filter and pressure gauge

ARTICLE	THREAD	REGOULATION	FLOW RATE	FILTRATION
014-1046-000	F-F 1/4"	0÷8 bar	1650 NI/min	20 µ
014-1046-B00	F-F 1/2"	0÷8 bar	3000 NI/min	20 µ
014-1046-C00	F-F 3/4"	0÷8 bar	4500 NI/min	20 µ
014-1046-D00	F-F 1"	0÷8 bar	4500 NI/min	20 µ



Air lubricator

ARTICLE	THREAD	REGOULATION	FLOW RATE
014-1047-000	F-F 1/4"	-	2600 NI/min
014-1047-B00	F-F 1/2"	-	5600 NI/min
014-1047-C00	F-F 3/4"	-	8200 NI/min
014-1047-D00	F-F 1"	-	8200 NI/min



Pressure regulators with lubricating filter and pressure gauge

ARTICLE	THREAD	REGOULATION	FLOW RATE	FILTRATION
014-1048-000	F-F 1/4"	0÷8 bar	1100 NI/min	20 µ
014-1048-B00	F-F 1/2"	0÷8 bar	2500 NI/min	20 µ
014-1048-C00	F-F 3/4"	0÷8 bar	4300 NI/min	20 µ
014-1048-D00	F-F 1"	0÷8 bar	4300 NI/min	20 µ

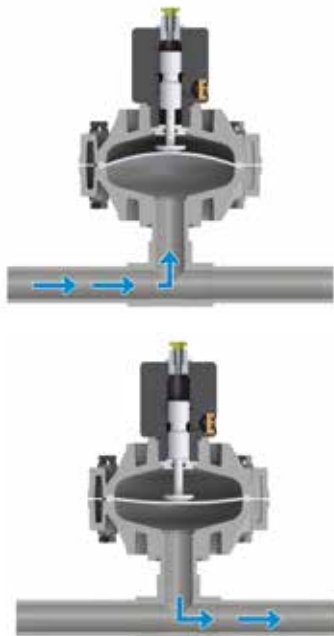


To optimise the performance and the long life of the pneumatic equipment, we suggest to use air without condensation, lubricated and at an adequate pressure.

The active pulsation damper is the most efficient way to remove pressure variations on the discharge of the pump. Meclube pulsation damper works actively with compressed air and a diaphragm, automatically setting the correct pressure to minimize the pulsations. Pulsation dampers require minimum maintenance and are, subject to the requirements of the application, available in the same casing and diaphragm materials as the pump.

Applications and advantages

- **Metering and dispensing**
It damps the discharge pressure spikes, increasing accuracy
- **Filter Press**
It increases filter efficiency and life by providing a smooth flow
- **Spraying**
Constant spray pattern.
- **Filling**
It eliminates inconstant filling and splashing.
- **Transfer**
It eliminates harmful water hammers, preventing pipes and valves damages.

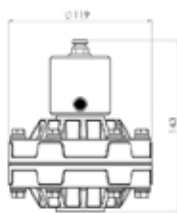


Significant pulsation reduction with an average percentage of 70% - 80% pulsation reduction in high back pressure applications.

How it works

The pulsating flow of the discharge forces the diaphragm upwards where it is cushioned by the air in the chamber. The flexing of the diaphragm absorbs the pulsation giving a constant flow.

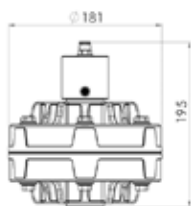




Model DAMP 35

Max flow rate: 35 l/min
 Fluid connections: 3/4" BSP

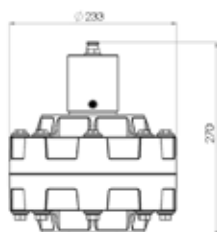
ARTICLE	CASING	DIAPHRAGM	FLUID CONN.	AIR CONN.	MAX PRESS.	MAX FLOW RATE
A28-0035-001	POLYPROPYLENE	HYTREL+PTFE	3/4" BSP	6 mm	8 bar	35 l/min
A28-0035-002	PVDF+CF	SANTOPRENE+PTFE	3/4" BSP	6 mm	8 bar	35 l/min
A28-0035-003	POMc	HYTREL	3/4" BSP	6 mm	8 bar	35 l/min
A28-0035-004	SS AISI 316	SANTOPRENE	3/4" BSP	6 mm	8 bar	35 l/min



Model DAMP 110

Max flow rate: 110 l/min
 Fluid connections: 1" BSP

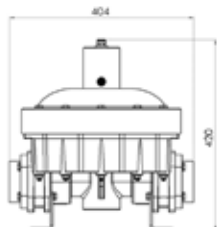
ARTICLE	CASING	DIAPHRAGM	FLUID CONN.	AIR CONN.	MAX PRESS.	MAX FLOW RATE
A28-0110-001	POLYPROPYLENE	HYTREL+PTFE	1" BSP	8 mm	8 bar	110 l/min
A28-0110-002	PVDF+CF	SANTOPRENE+PTFE	1" BSP	8 mm	8 bar	110 l/min
A28-0110-003	POMc	HYTREL	1" BSP	8 mm	8 bar	110 l/min
A28-0110-004	SS AISI 316	SANTOPRENE	1" BSP	8 mm	8 bar	110 l/min



Model DAMP 250

Max flow rate: 250 l/min
 Fluid connections: 1" 1/2 BSP

ARTICLE	CASING	DIAPHRAGM	FLUID CONN.	AIR CONN.	MAX PRESS.	MAX FLOW RATE
A28-0250-001	POLYPROPYLENE	HYTREL+PTFE	1.1/2" BSP	10 mm	8 bar	250 l/min
A28-0250-002	PVDF+CF	SANTOPRENE+PTFE	1.1/2" BSP	10 mm	8 bar	250 l/min
A28-0250-003	POMc	HYTREL	1.1/2" BSP	10 mm	8 bar	250 l/min
A28-0250-004	SS AISI 316	SANTOPRENE	1.1/2" BSP	10 mm	8 bar	250 l/min



Model DAMP 1000

Max flow rate: 1000 l/min
 Fluid connections: 2" BSP

ARTICLE	CASING	DIAPHRAGM	FLUID CONN.	AIR CONN.	MAX PRESS.	MAX FLOW RATE
A28-1000-001	POLYPROPYLENE	HYTREL+PTFE	2" BSP	12 mm	8 bar	1000 l/min
A28-1000-002	PVDF+CF	SANTOPRENE+PTFE	2" BSP	12 mm	8 bar	1000 l/min
A28-1000-003	ALLUMINIO	HYTREL	2" BSP	12 mm	8 bar	1000 l/min
A28-1000-004	SS AISI 316	SANTOPRENE	2" BSP	12 mm	8 bar	1000 l/min



Art. 025-1266-001

Wall fixing bracket

For diaphragm pumps **Mod. 20/35/55**



Art. 025-1266-002

Wall fixing bracket

For diaphragm pumps **Mod. 110/120/170/250**



Art. 025-1266-003

Wall fixing bracket

For diaphragm pumps **Mod. 400/700**



Art. A28-3000-001

Stainless steel trolley base dimension 330x236 mm

Nylon wheels Ø 125 with stainless steel plugs

For diaphragm pumps **Mod. 110/120/170/250**



Art. A28-3000-002

Stainless steel trolley base dimension 600x270 mm

Nylon wheels Ø 125 with stainless steel plugs

For diaphragm pumps **Mod. 400/700**



FLANGE CONNECTION KIT

Adapt a pump from BSP type connection to flanges with this kit.



ARTICLE	CASING	FLUID CONNECTION	PUMP MODEL
A28-0016-001	POLYPROPYLENE	DN 16 - 1/2"	P20
A28-0016-002	PVDF	DN 16 - 1/2"	PVDF20
A28-0016-003	ALUMINIUM	DN 16 - 1/2"	A20
A28-0016-004	SS AISI 316	DN 16 - 1/2"	SS20

ARTICLE	CASING	FLUID CONNECTION	PUMP MODEL
A28-0025-001	POLYPROPYLENE	DN 25 - 1"	P55 - P110
A28-0025-002	PVDF	DN 25 - 1"	PVDF55 - PVDF110
A28-0025-003	ALUMINIUM	DN 25 - 1"	A55 - A110
A28-0025-004	SS AISI 316	DN 25 - 1"	SS65 - SS120

ARTICLE	CASING	FLUID CONNECTION	PUMP MODEL
A28-0032-001	POLYPROPYLENE	DN 32 - 1.1/4"	P170 - P250
A28-0032-002	PVDF	DN 32 - 1.1/4"	PVDF170 - PVDF250
A28-0032-003	ALUMINIUM	DN 32 - 1.1/4"	A170 - A250
A28-0032-004	SS AISI 316	DN 32 - 1.1/4"	SS170 - SS250

ARTICLE	CASING	FLUID CONNECTION	PUMP MODEL
A28-0050-004	SS AISI 316	DN 50 - 2"	SS400
A28-0065-004	SS AISI 316	DN 65 - 2.1/2"	SS700

SUCTION HOSE FOR DIAPHRAGM PUMPS

In polypropylene (POMc) with threaded ring connect drum



ARTICLE	SUCTION HOSE	DIMENSION	THREAD	FOOT VALVE	ADAPTOR	THREADED RING
A28-1264-094	POMc	Ø 30X940 mm	M 1/2" BSP	-	M56X4-F2"	M 2" P. Ø 30 mm
A28-1265-094	POMc	Ø 30X940 mm	M 3/4" BSP	-	M56X4-F2"	M 2" P. Ø 30 mm
A28-1264-125	POMc	Ø 30X1250 mm	M 1/2" BSP	-	M56X4-F2"	M 2" P. Ø 30 mm
A28-1265-125	POMc	Ø 30X1250 mm	M 3/4" BSP	-	M56X4-F2"	M 2" P. Ø 30 mm

SUCTION TUBE FOR DIAPHRAGM PUMPS

In galvanized steel with foot valve and threaded ring connect drum



ARTICLE	SUCTION TUBE	DIMENSION	THREAD	FOOT VALVE	ADAPTOR	THREADED RING
A28-1274-094	GALVANIZED STEEL	Ø 30X940 mm	M 1/2" BSP	BRASS	M56X4-F2"	M 2" P. Ø 30 mm
A28-1275-094	GALVANIZED STEEL	Ø 30X940 mm	M 3/4" BSP	BRASS	M56X4-F2"	M 2" P. Ø 30 mm
A28-1274-125	GALVANIZED STEEL	Ø 30X1250 mm	M 1/2" BSP	BRASS	M56X4-F2"	M 2" P. Ø 30 mm
A28-1275-125	GALVANIZED STEEL	Ø 30X1250 mm	M 3/4" BSP	BRASS	M56X4-F2"	M 2" P. Ø 30 mm

CHEMICAL COMPATIBILITY TABLE

FLUID	CHEMICAL CODE	MAX CONC.	BEST CONFIGURATION	OTHER ACCEPTABLE MATERIALS	NOTE
ETHYL ACETATE	CH3COOC2H5	ALL	PHTTPD	A	
ACETONE	C3H6O	ALL	PHTTPD	A - S	
ACETIC ACID	C2H4O2	ALL	PHTTPD		
CYANIDE	HCN	ALL	PHTTPV		
HYDROCHLORIC ACID	HCJ	ALL	PHTTPV	KC	
CHROMIC ACID	H2CrO4	ALL	KCMTTKV	Z	
HYDROFLUORIC ACID	HF	ALL	KCMTTKT	PC	NO PP because is with glass fiber
FORMIC ACID	CH2O2	ALL	PHTTPD	A - S - KC	
NITRIC ACID	HN03	20%	PHTTPV	S - KC - Z	
NITRIC ACID	HN03	100%	KCMTTKV	S	
SULPHURIC ACID	H2SO4	50%	PHTTPV	KC	HIGH DENSITY
SULPHURIC ACID	H2SO4	98%	KCMTTKV		HIGH DENSITY
WATER+SAND		ALL	PDDZD	A - N	HIGH ABRASION-NO-CHEMICALS
ALCOHOLS (GENERIC)	CnH2n+2O	ALL	PHTTPD	S	
VINYL GLUE	***	ALL	PHTSSD	A	HIGH VISCOSITY
SODIUM HYDROXIDE	NaOH	ALL	PHTTPD	S	
SODIUM HYPOCHLORITE	NaOCL	15%	PHTTPV		
SODIUM HYPOCHLORITE	NaOCL	100%	KCMTTKV	PC	NO PP because is with glass fiber
ISOCYANATE	***	ALL	PHTSPV	A	HIGH VISCOSITY
MILK OF LIME	***	ALL	PDDZD	D	HIGH ABRASION - ALKALINE
HYDROGEN PEROXIDE	H2O2	20%	PHTTPV	A - S - KC	
HYDROGEN PEROXIDE	H2O2	100%	KCMTTKV	A - S	
POLYOL	***	ALL	PHTSPV	A	HIGH DENSITY
HALOGENATED SOLVENTS	***	ALL	KCMTTKT	***	NO ALUMINIUM
TOLUENE	C7H8	ALL	AHTTAT	S - KC - Z	
AMMONIA	NH3	ALL	PHTTPD	S	
XYLENE	C8H10	ALL	AHTTPD	S	

MATERIAL LIST

A	→	ALUMINIUM
D	→	EPDM
H	→	HYTREL / KEYFLEX
KC	→	PVDF + CF
M	→	SANTOPRENE
N	→	NBR
P	→	POLYPROPYLENE
PC	→	POLYPROPYLENE + CF
S	→	INOX AISI 316
T	→	PTFE / TEFLON
V	→	FPM / VITON
Z	→	POLYETHYLENE / POLIZENE

PH 14



PH 7



PH 1

ALKALINE / BASIC

PP / EPDM

NEUTRAL

ACIDS

PVDF / PP / VITON