fluimac
pump solution

PHOENIX FOOD

Air operated double diaphragms pumps
Realized in:
SS AISI 316 electro-polished
Flow-rate from 20lt/min to 1.000 lt/min
Tri-Clamp Connection.
ATEX certification
Atex zone 2 - EX II 3/3 GD h IIB T4
Atex zone 1 - EX II 2/2 GD h IIB T4

PHOENIX FOOD 18 | TECHNICAL DATA | PERFORMANCE

PF 18

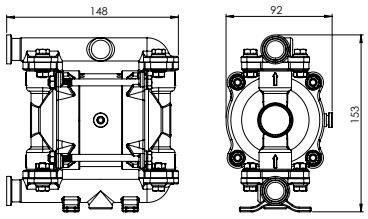
AISI 316 ELECTRO-POLISHED

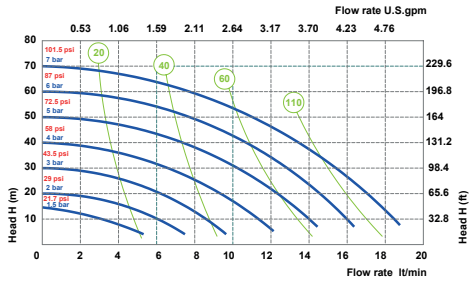
Fluid connections	**3/4" TRI-CLAMP**
Air connection	**6 mm**
Max. Flow rate	**20 lt/min**
Max air pressure	**7 bar**
Max delivery head	**70 m**
Max Suction Lift Dry	**5 m**
Max Suction Lift Wet	**9,8 m**
Max Solid passing	**2,5 mm**
Noise level:	**65 dB**
Max Viscosity:	**10.000 cps**
Displacement per Stroke:	**30 CC ~**

EX II 3/3 GD h IIB T4 (STD. zone 2)

EX II 2/2 GD h IIB T4 (zone 1)

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.





The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

Net Weight	Temperature
2,3 Kg	-20°C +95°C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
PF0018	**S =** SS POLISHED	**HT =** HYTREL+PTFE	**T =** PTFE **S =** SS	**S =** SS	**T =** PTFE	**3 =** TRI-CLAMP **1 =** BSP **6 =** DIN	**- =** zone 2 **X =** zone 1	**AB =** STANDARD

PHOENIX FOOD 30 | TECHNICAL DATA | PERFORMANCE

PF 30

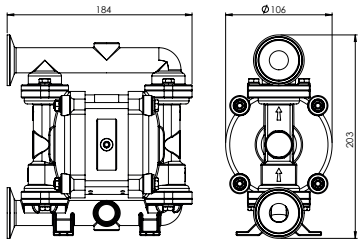
AISI 316 ELECTRO-POLISHED

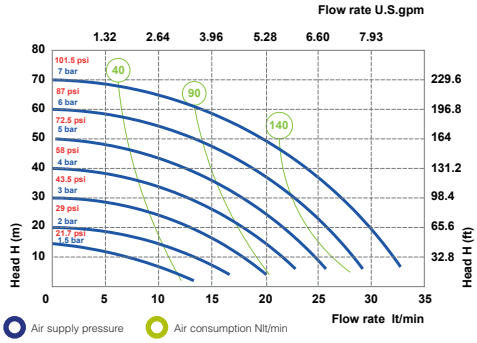
Fluid connections	**1" TRI-CLAMP**
Air connection	**6 mm**
Max. Flow rate	**35 lt/min**
Max air pressure	**7 bar**
Max delivery head	**70 m**
Max Suction Lift Dry	**5 m**
Max Suction Lift Wet	**9,8 m**
Max Solid passing	**3 mm**
Noise level:	**65 dB**
Max Viscosity:	**15.000 cps**
Displacement per Stroke:	**65 CC ~**

EX II 3/3 GD h IIB T4 (STD. zone 2)

EX II 2/2 GD h IIB T4 (zone 1)

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.





The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

Net Weight	Temperature
3,8 Kg	-20°C +95°C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
PF0030	**S =** SS POLISHED	**HT =** HYTREL+PTFE	**T =** PTFE **S =** SS	**S =** SS	**T =** PTFE	**3 =** TRI-CLAMP **1 =** BSP **6 =** DIN	**- =** zone 2 **X=** zone 1	**AB =** STANDARD

PHOENIX FOOD 60 | TECHNICAL DATA | PERFORMANCE

PF 60

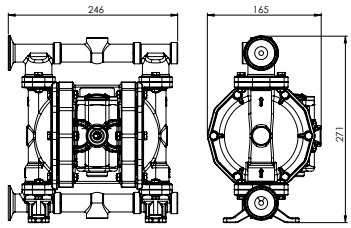
AISI 316 ELECTRO-POLISHED

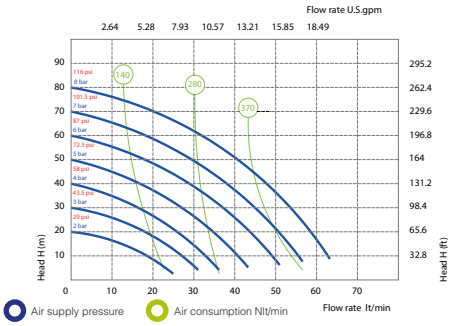
Fluid connections	**1" TRI-CLAMP**
Air connection	**1/4" BSP**
Max. Flow rate	**65 lt/min**
Max air pressure	**8 bar**
Max delivery head	**80 m**
Max Suction Lift Dry	**5 m**
Max Suction Lift Wet	**9,8 m**
Max Solid passing	**3,5 mm**
Noise level:	**72 dB**
Max Viscosity:	**20.000 cps**
Displacement per Stroke:	**140 CC ~**

EX II 3/3 GD h IIB T4 (STD. zone 2)

EX II 2/2 GD h IIB T4 (zone 1)

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.





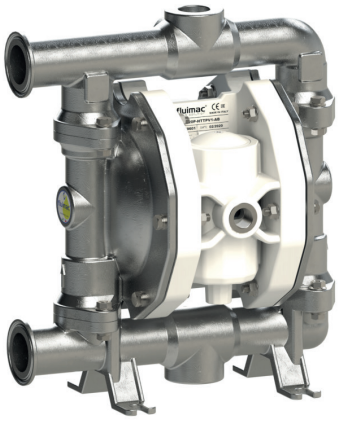
The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

Net Weight	Temperature
7,3 Kg	-20°C +95°C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
PF0060	**S =** SS POLISHED	**HT =** HYTREL+PTFE	**T =** PTFE **S =** SS	**S =** SS	**T =** PTFE	**3 =** TRI-CLAMP **1 =** BSP **6 =** DIN	**- =** zone 2 **X =** zone 1	**AB =** STANDARD

PHOENIX FOOD 120 | TECHNICAL DATA | PERFORMANCE

PF 120



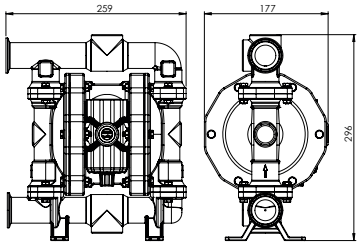
AISI 316 ELECTRO-POLISHED

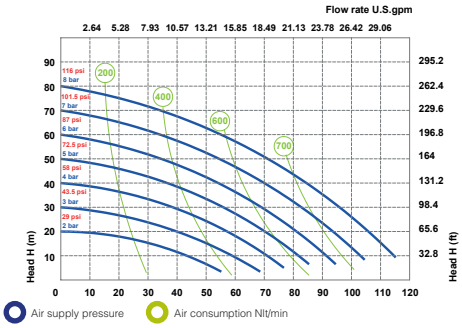
Fluid connections	**1"1/2"TRI-CLAMP**
Air connection	**3/8" BSP**
Max. Flow rate	**120 lt/min**
Max air pressure	**8 bar**
Max delivery head	**80 m**
Max Suction Lift Dry	**5 m**
Max Suction Lift Wet	**9,8 m**
Max Solid passing	**4 mm**
Noise level:	**72 dB**
Max Viscosity:	**25.000 cps**
Displacement per Stroke:	**200 CC ~**

EX II 3/3 GD h IIB T4 (STD. zone 2)

EX II 2/2 GD h IIB T4 (zone 1)

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.





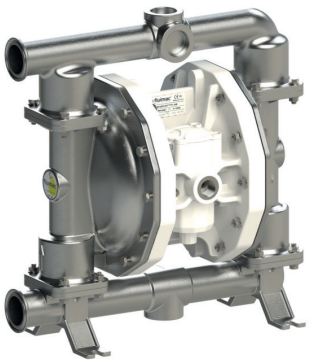
The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

Net Weight	Temperature
9,6 Kg	-20°C +95°C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
PF0120	**S =** SS POLISHED	**HT =** HYTREL+PTFE	**T =** PTFE **S =** SS	**S =** SS	**T =** PTFE	**3 =** TRI-CLAMP **1 =** BSP **6=** DIN	**- =** zone 2 **X =** zone 1	**AB =** STANDARD

PHOENIX FOOD 170 | TECHNICAL DATA | PERFORMANCE

PF 170



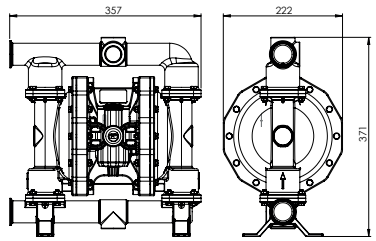
AISI 316 ELECTRO-POLISHED

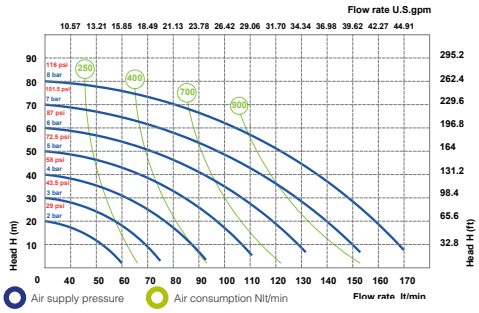
Fluid connections	**1"1/2 TRI-CLAMP**
Air connection	**1/2" BSP**
Max. Flow rate	**170 lt/min**
Max air pressure	**8 bar**
Max delivery head	**80 m**
Max Suction Lift Dry	**5 m**
Max Suction Lift Wet	**9,8 m**
Max Solid passing	**7,5 mm**
Noise level:	**75 dB**
Max Viscosity:	**35.000 cps**
Displacement per Stroke:	**700 CC ~**

EX II 3/3 GD h IIB T4 (STD. zone 2)

EX II 2/2 GD h IIB T4 (zone 1)

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.





The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

Net Weight	Temperature
17,2 Kg	-20°C +95°C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
PF0170	**S =** SS POLISHED	**HT =**HYTREL+PTFE	**T =** PTFE **S =** SS	**S =** SS	**T =** PTFE	**3 =** TRI-CLAMP **1 =** BSP **6 =** DIN	**- =** zone 2 **X =** zone 1	**AB =** STANDARD

PHOENIX FOOD 400 | TECHNICAL DATA | PERFORMANCE

PF 400

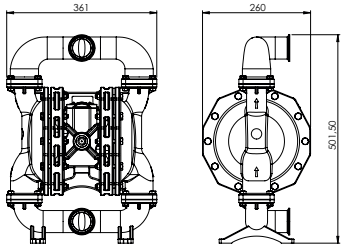
AISI 316 ELECTRO-POLISHED

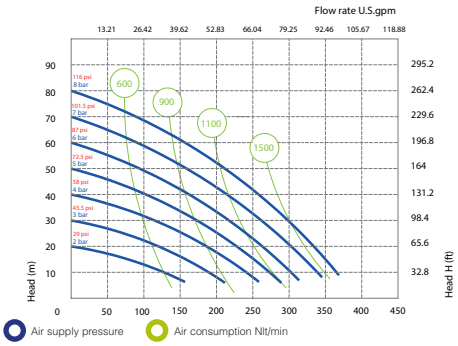
Fluid connections	**2" TRI-CLAMP**
Air connection	**1/2" BSP**
Max. Flow rate	**380 lt/min**
Max air pressure	**8 bar**
Max delivery head	**80 m**
Max Suction Lift Dry	**5 m**
Max Suction Lift Wet	**9,8 m**
Max Solid passing	**8 mm**
Noise level:	**78 dB**
Max Viscosity:	**40.000 cps**
Displacement per Stroke:	**1200 CC ~**

EX II 3/3 GD h IIB T4 (STD. zone 2)

EX II 2/2 GD h IIB T4 (zone 1)

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.





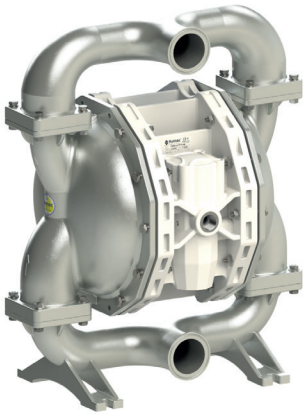
The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

Net Weight	Temperature
25,3 Kg	-20°C +95°C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
PF0400	**S =** SS POLISHED	**HT =** HYTREL+PTFE	**T =** PTFE **S =** SS	**S =** SS	**T =** PTFE	**3 =** TRI-CLAMP **1 =** BSP **6 =** DIN	**- =** zone 2 **X =** zone 1	**EF =** STANDARD

PHOENIX FOOD 700 | TECHNICAL DATA | PERFORMANCE

PF 700



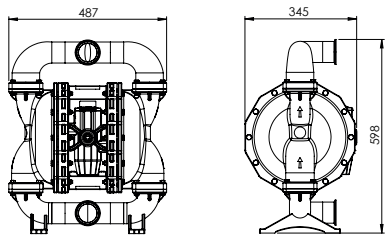
AISI 316 ELECTRO-POLISHED

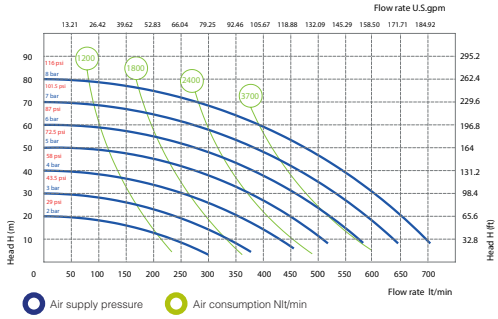
Fluid connections	**2”1/2 TRI-CLAMP**
Air connection	**3/4” BSP**
Max. Flow rate	**700 lt/min**
Max air pressure	**8 bar**
Max delivery head	**80 m**
Max Suction Lift Dry	**5 m**
Max Suction Lift Wet	**9,8 m**
Max Solid passing	**8,5 mm**
Noise level:	**78 dB**
Max Viscosity:	**50.000 cps**
Displacement per Stroke:	**3050 CC ~**

EX II 3/3 GD h IIB T4 (STD. zone 2)

EX II 2/2 GD h IIB T4 (zone 1)

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.





The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

Net Weight	Temperature
51 Kg	-20°C +95°C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
PF0700	**S =** SS POLISHED	**HT =** HYTREL+PTFE	**T =** PTFE **S =** SS	**S =** SS	**T =** PTFE	**3 =** TRI-CLAMP **1 =** BSP **6 =** DIN	**- =** zone 2 **X =** zone 1	**EF =** STANDARD

PHOENIX FOOD 1000 | TECHNICAL DATA | PERFORMANCE

PF 1000

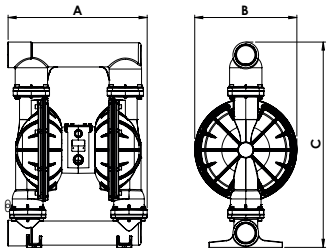
AISI 316 ELECTRO-POLISHED

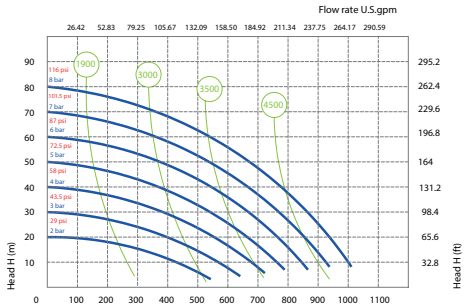
Fluid connections	**3” BSP**
Air connection	**3/4” BSP**
Max. Flow rate	**1050 lt/min**
Max air pressure	**8 bar**
Max delivery head	**80 m**
Max Suction Lift Dry	**5 m**
Max Suction Lift Wet	**9,8 m**
Max Solid passing	**12 mm**
Noise level:	**82 dB**
Max Viscosity:	**55.000 cps**
Displacement per Stroke:	**9750 CC ~**

EX II 3/3 GD h IIB T4 (STD. zone 2)

EX II 2/2 GD h IIB T4 (zone 1)

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.





The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

Net Weight	Temperature
111,5 Kg	-20°C +95°C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
PF1000	**S =** SS POLISHED	**HT =** HYTREL+PTFE	**T =** PTFE **S =** SS	**S =** SS	**T =** PTFE	**3 =** TRI-CLAMP **1 =** BSP **6 =** DIN	**- =** zone 2 **X =** zone 1	**AB =** STANDARD