

PHOENIX FOOD

Air operated double diaphragms pumps Realized in:

SS AISI 3I6 electro-polished Flow-rate from 20lt/min to I.000 lt/min

Tri-Clamp Connection.

ATEX certification

Atex zone 2 🖾 II 3/3 G Ex h IIB T4 Gc

Atex zone I 🔬 II 2/2 G Ex h IIB T4 Gb

II -/2 D ∈x h IIIB TI35°C Db X





AISI 316 ELECTRO-POLISHED

Fluid connections 3/4" TRI-CLAMP

6 mm Air connection

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

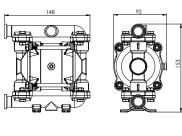
65 dB Noise level:

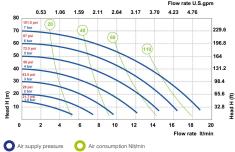
Max Viscosity: 10.000 cps

Displacement per Stroke: 30 CC ~

ATEX ZONE 2 certification as Standard and, on request, ATEX 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

35 lt/min Max. Flow rate

7 bar Max air pressure

70 m Max delivery head

Max Suction Lift Dry 5 m

Max Suction Lift Wet 9,8 m

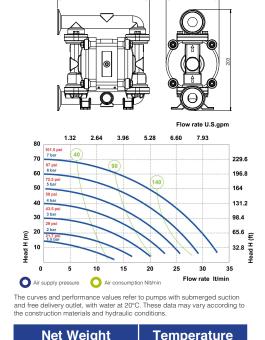
Max Solid passing 3 mm Noise level: 65 dB

Max Viscosity: 15.000 cps

Displacement per Stroke: 65 CC ~

ATEX ZONE 2 certification as Standard and, on request, ATEX ZONE 1.

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



	i omporataro
3 8 Ka	-20°C ±95°C

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



AISI 316 ELECTRO-POLISHED

Fluid connections 1" TRI-CLAMP 1/4" BSP Air connection

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

72 dB Noise level:

Max Viscosity: 20.000 cps

Displacement per Stroke: 140 CC ~

ATEX ZONE 2 certification as Standard and, on request, ATEX ZONE 1.

discharge head, air pressure and fluid type.

Displacement per stroke may vary based on suction condition,

5.28 7.93 10.57 13.21 15.85 18.49 295.2 196.8 164 131.2 98.4 65.6 32.8 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 I20

TECHNICAL DATA

PERFORMANCE

PF I20



AISI 316 ELECTRO-POLISHED

Fluid connections 1"1/2"TRI-CLAMP 3/8" BSP Air connection

Max. Flow rate 120 lt/min

8 bar Max air pressure

80 m Max delivery head

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 ~

ATEX ZONE 2 certification as Standard and, on request, ATEX ZONE 1.

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

Flow rate U.S.gpm 2.64 5.28 7.93 10.57 13.21 15.85 18.49 21.13 23.78 26.42 29.00 295.2 262.4 229.6 196.8 164 131.2 98.4 65.6 50 70 80 10 20 40 100 110 120 Air consur 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



AISI 316 ELECTRO-POLISHED

Fluid connections 1"1/2 TRI-CLAMP

1/2" BSP Air connection

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

75 dB Noise level:

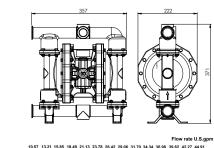
Max Viscosity: 35.000 cps

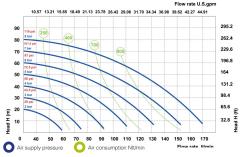
Displacement per Stroke: 700 CC ~

ATEX ZONE 2 certification as Standard and,

on request, ATEX 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	- = zone 2 X = zone 1	AB = STANDARD

PHOENIX FOOD 400

TECHNICAL DATA

PERFORMANCE

PF 400



AISI 316 ELECTRO-POLISHED

Fluid connections 2" TRI-CLAMP 1/2" BSP Air connection Max. Flow rate 380 lt/min

8 bar Max air pressure

80 m Max delivery head

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 ~

ATEX ZONE 2 certification as Standard and, on request, ATEX ZONE 1.

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

	361 361 13.21 26.42 39.62 52.83	Flow rate U.S.gpm 66.04 79.35 92.46 105.67 118.88
90		295.2
80	116 psi 8 bar 600	262.4
70	101.5 psi 900 1100	229.6
60	6 bar	(1500) 196.8
50	72.5 psi 5 bar	164
40	Sil psi 4 bar	131.2
30	43.5 psi 3 bar	98.4
20	29 psi 2 bar	65.6
01 (m)	11/1/1	32.8 H per
O Air sup The curves a and free deli		250 300 350 400 450 on Nit/min to pumps with submerged suction C. These data may vary according to
N	et 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



AISI 316 ELECTRO-POLISHED

Fluid connections 2"1/2 TRI-CLAMP

3/4" BSP Air connection

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

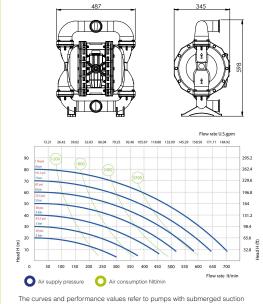
Noise level: 78 dB

Max Viscosity: 50.000 cps

Displacement per Stroke: 3050 CC ~

ATEX ZONE 2 certification as Standard and. on request, ATEX ZONE 1.

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



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 Ka	-20°C ±05°C		

51 Kg

MODE	L 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

3/4" BSP Air connection

1050 lt/min

12 mm

8 bar Max air pressure

Max. Flow rate

Max Solid passing

Max delivery head 80 m

Max Suction Lift Dry 5 m

Max Suction Lift Wet 9,8 m

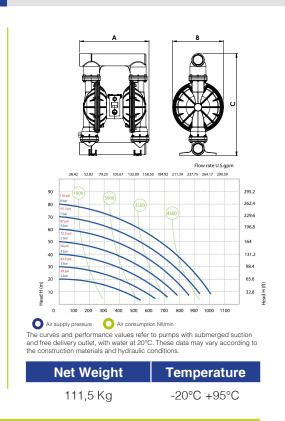
Noise level: 82 dB

Max Viscosity: 55.000 cps

Displacement per Stroke: 9750 CC ~

ATEX ZONE 2 certification as Standard and, on request, ATEX ZONE 1.

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



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