

PHOENIX FOOD

Air operated double diaphragms pumps Realized in:

SS AISI 316 electro-polished
Flow-rate from 20lt/min to I.000 lt/min
Tri-Clamp Connection.
ATEX certification

Atex zone 2 - EX II 3/3 GD c IIB T I35°C Atex zone I - EX II 2/2 GD c IIB T I35°C





AISI 316 ELECTRO-POLISHED

Fluid connections 3/4" TRI-CLAMP

Air connection 6 mm

Max. Flow rate 20 lt/min

7 bar Max air pressure

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 ~

EX II 3/3 GD C IIB T 135 °C (STD. zone 2)

EX II 2/2 GD C IIB T 135 °C (zone 1)

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

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80	0.6	53 1.0	6 1.59	2.11	2.64	3.17	3.70	4.23	4.76	
70	101.5 psi 7 bar	20	(40)							229.6
60	87 psi 6 bar				60					196.8
	72.5 psi 5 bar				1		110			
50	58 psi	+		\	7	\	7			164
40	4 bar 43.5 psi			\leftarrow			1			131.2
30	3 bar	\		4		1		\		98.4
€ 20	29 psi 2 bar)		_		\mathcal{N}	/	1		65.6 ⊋
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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

Max Suction Lift Wet 9,8 m

Max Solid passing 3 mm

Noise level: 65 dB

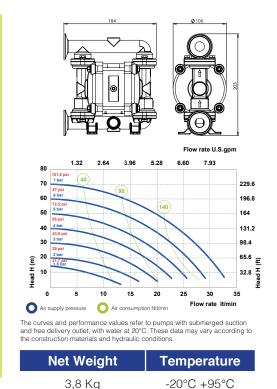
Max Viscosity: 15.000 cps

Displacement per Stroke: 65 CC ~

EX II 3/3 GD C IIB T 135 °C (STD. zone 2)

EX II 2/2 GD C IIB T 135 °C (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
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

5 m



AISI 316 ELECTRO-POLISHED

Fluid connections 1" TRI-CLAMP
Air connection 1/4" BSP
Max. Flow rate 65 lt/min

8 bar

Max delivery head 80 m
Max Suction Lift Dry 5 m

Max air pressure

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 C IIB T 135 °C (STD. zone 2)

EX II 2/2 GD C IIB T 135 °C (zone 1)

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

264 5.28 7.93 10.57 13.21 15.85 18.49	ļ
90 1126 460 2955 2622 2622 270 270 270 270 270 270 270 270 270 2	4 5 3
The curves and performance values refer to pumps with submerged suct and free delivery outlet, with water at 20°C. These data may vary according the construction materials and hydraulic conditions. Net Weight 7,3 Kg -20°C +95°C	ng to

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	- = zone 2 X = zone 1	AB = STANDARD

PHOENIX FOOD 120

TECHNICAL DATA

PERFORMANCE

PF I20



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**

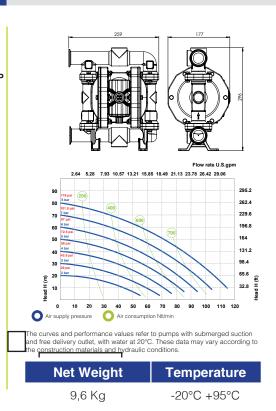
Max Viscosity:

Displacement per Stroke: 200 CC ~

EX II 3/3 GD C IIB T 135 °C (STD. zone 2)

EX II 2/2 GD C IIB T 135 °C (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
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

25.000 cps



AISI 316 ELECTRO-POLISHED

DIAPHRAGM

HT =HYTRFI +PTFF

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 Noise level: 75 dB

Max Viscosity: 35.000 cps

Displacement per Stroke: 700 CC ~

EX II 3/3 GD C IIB T 135 °C (STD. zone 2) (€x) EX II 2/2 GD C IIB T 135 °C (zone 1)

BALLS

T = PTFE

S = SS

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

	357 222 Flow rate U.S. gpm	
90 80 70 60 50 40 30 (<u>E</u>) H presy	Title pair (280)	295.2 262.4 229.6 196.8 164 131.2 98.4 65.6 32.8
The cur	Air consumption Nit/min Flow rate. It/min ves and performance values refer to pumps with submerged suctice a delivery outlet, with water at 20°C. These data may vary according struction materials and hydraulic conditions. Net Weight Temperature 17,2 Kg -20°C +95°C	n g to

NNECTIONS	ATEX	PORTS
3 = TRI-CLAMP	- = zone 2	AB - CTANDADD

X = zone 1

PHOENIX FOOD 400

S = SS

POLISHED

PF0170

TECHNICAL DATA

S = SS

T = PTFF

1 = BSP

6 = DIN

PERFORMANCE

AB = STANDARD

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

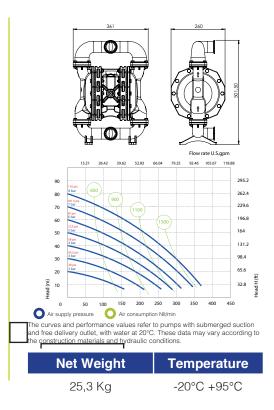
Max Viscosity: 40.000 cps

Displacement per Stroke: 1200 CC ~

EX II 3/3 GD C IIB T 135 °C (STD. zone 2)

(€x) EX II 2/2 GD C IIB T 135 °C (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
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

78 dB Noise level:

Max Viscosity: 50.000 cps

Displacement per Stroke: 3050 CC ~

EX II 3/3 GD C IIB T 135 °C (STD. zone 2)

(€x) EX II 2/2 GD C IIB T 135 °C (zone 1)

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

	133 3642 3583 5283 6454 735 5246 100	345 Flow rate U.S.gpm 87 11888 11269 14329 13359 17771 18492
90 80 70 60 50 40 30 20 20 10 10 10	11 12 12 12 12 12 12 12	295.2 262.4 229.6 196.8 164 131.2 98.4 65.6 52.8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
and	Air supply pressure Air consumptive Courves and performance values refer free delivery outlet, with water at 20°C construction materials and hydraulic construction materials are constructed as a construction of the construction of th	on Nit/min to pumps with submerged suction These data may vary according to

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

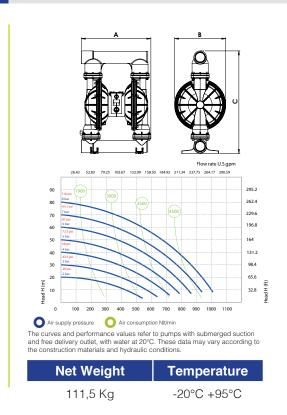
Max Viscosity: 55.000 cps

Displacement per Stroke: 9750 CC ~

EX II 3/3 GD C IIB T 135 °C (STD. zone 2)

(€x) EX II 2/2 GD C IIB T 135 °C (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