

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 🖾 II 3/3 G Ex h IIB T4 Gc

Atex zone I ⟨ (x) | 1 2/2 G €x h | 1 B T 4 G b

(i) II -/2 D **(e**x h IIIB TI35°C Db X





https://prom-nasos.pro https://bts.net.ua https://prom-nasos.com.ua +38 095 656-37-57, +38 067 360-71-01, +38 063 362-12-31, info@prom-nasos.pro



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 ~

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.

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	0.5	53 1.0	ne 1	.59	2.11	2.64	3.17	3.70	Flow	rate U.	3.gpm
80	101.5 psi	(20)			<u></u>			0.70	1.20	4.70	
70	7 bar 87 psi	Ψ.		40-		60					229
60	6 bar			#	+	<u>(00)</u>					196
50	72.5 psi 5 bar			\Rightarrow	4	1	<u> </u>	(110)			164
40	58 psi 4 bar	\		\leq							131
30	43.5 psi 3 bar					\searrow	7				98
	29 psi 2 bar				+		1				65
E .	21.7 psi 1,5 bar		7								
10 ead			4				1	1	1		32.
_ 0	2	2 4		6	8	10	12	14	16	18	20
									Fle	ow rate	lt/min
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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

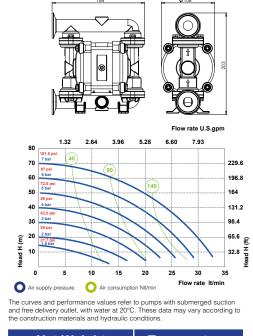
Noise level: **65 dB**

Max Viscosity: 15.000 cps

Displacement per Stroke: 65 CC ~

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.



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



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

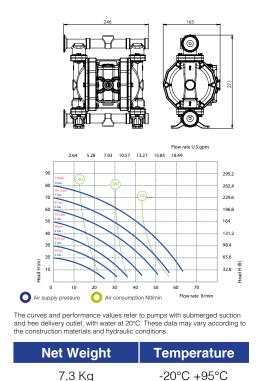
Noise level: **72 dB**

Max Viscosity: 20.000 cps

Displacement per Stroke: 140 CC ~

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
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 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

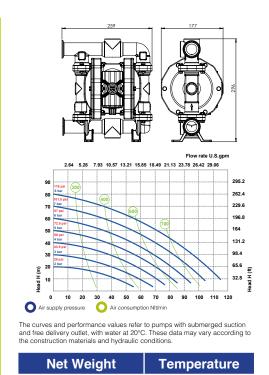
Noise level: **72 dB**

Max Viscosity: 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.



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

Noise level: 75 dB

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.

	Flow rate U.S. gpm	
90		295.2
80	116 par (250) 8 bar (00) (00)	262.4
70	101.5 pp 700 1	229.6
60	of par 6 bar 72.5 pai	196.8
50	5 bar 58 pai	164
40	93 pt 4 har	131.2
30	29 00l	98.4
€ 20	2 bar	65.6 €
(m) H peoH		32.8 Pe
O Ai The curvand free	40 50 60 70 80 90 100 110 120 130 140 150 160 170 ir supply pressure Air consumption Ntl/min Flow rate tr/min ves and performance values refer to pumps with submerged suctic delivery outlet, with water at 20°C. These data may vary according struction materials and hydraulic conditions.	n -

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 1/2" BSP Air connection Max. Flow rate 380 lt/min

8 bar Max air pressure

Max delivery head 80 m

Max Suction Lift Dry 5 m

Max Suction Lift Wet 9,8 m

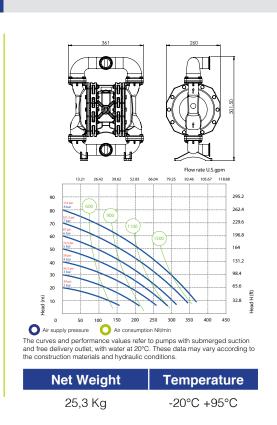
Max Solid passing 8 mm 78 dB Noise level:

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.



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

8,5 mm Max Solid passing

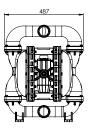
Noise level: 78 dB

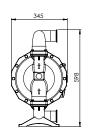
Max Viscosity: 50.000 cps

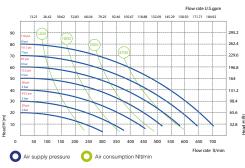
Displacement per Stroke: 3050 CC ~

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.







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 Ka	-20°C ±95°C

51 Kg

MOD	EL CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
PF07	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

8 bar Max air pressure

Max. Flow rate

Max delivery head 80 m

Max Suction Lift Dry 5 m

Max Suction Lift Wet 9,8 m

Max Solid passing 12 mm

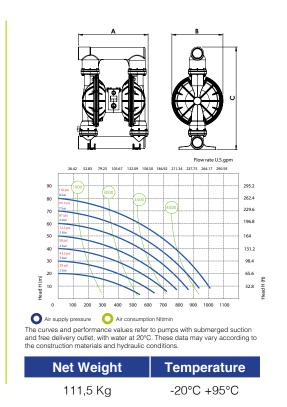
82 dB Noise level:

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