

MATERIALS OF CONSTRUCTION: SS AISI 316 electro-polished Flow-rate from 20lt/min to 1.000 lt/min Tri-Clamp Connection.



TECHNICAL DATA

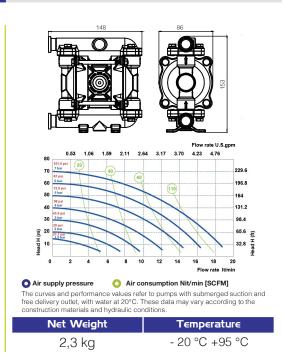
PERFORMANCE



SS ELECTRO-POLISHED



Fluid connections	3/4" TRI-CLAMP DN 3/4" BS 4825
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 ~
ⓑ II 3/3 G Ex h IIC T4 Gc ⓑ II 3 D Ex h IIIB T135℃ Dc X	



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
PF0020	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 35

PF 35



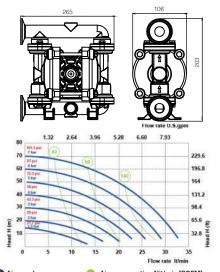
SS ELECTRO-POLISHED FDA COMPLIANT

TECHNICAL DATA

Fluid connections	1" TRI-CLAMP DN 1" BS 4825
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 ~
ᡚ II 3/3 G Ex h IIC T4 Gc ᡚ II 3 D Ex h IIB T135℃ Dc >	ζ.

Displacement per stroke may vary based on suction

PERFORMANCE



O Air supply pressure O Air consumption Nit/min [SCFM] 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

condition, discharge head, air pressure and fluid type.

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
PF0035	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

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TECHNICAL DATA

1" TRI-CLAMP

Fluid connections

PERFORMANCE



SS ELECTRO-POLISHED



	DN 1" BS 4825
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 ~
🐼 II 3/3 G Ex h IIC T4 Gc	
II 3 D Ex h IIIB T135°C Dc X	

¥ Flow rate U.S.gpm 5.28 7.93 10.57 13.21 15.85 18.49 2.64 295.2 262.4 229.6 196.8 164 131.2 98.4 65.6 32.8 70 lt/mi O Air consumption Nit/min [SCFM] O Air supply pressure

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	remperature
7,3 kg	- 20 °C +95 °C

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 I20

PF I20



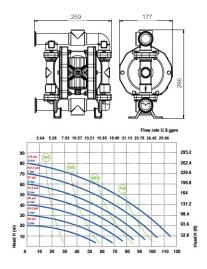
SS ELECTRO-POLISHED

TECHNICAL DATA

	Fluid connections	1" TRI-CLAMP DN 25 ISO 2852
	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 ~
	ᡚ II 3/3 G Ex h IIC T4 Gc ᡚ II 3 D Ex h IIB T135°C Dc >	K
1		

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

PERFORMANCE



• Air supply pressure • Air consumption Nit/min [SCFM] 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

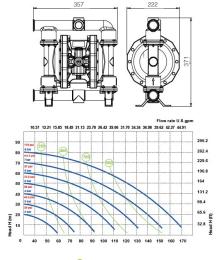
TECHNICAL DATA

PERFORMANCE



SS ELECTRO-POLISHED

Fluid connections	1"1/2 TRI-CLAMP DN 1" 1/2 BS 4825
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 ~
ⓑ II 3/3 G Ex h IIB T4 Gc ⓑ II 3 D Ex h IIIB T135℃ Dc X	
Displacement per stroke may vary h	ased on suction



• Air supply pressure • Air consumption Nit/min [SCFM] 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		

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
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

PF 400



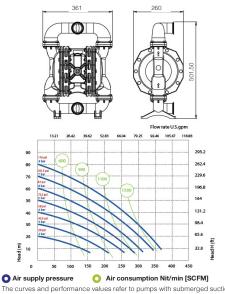
SS ELECTRO-POLISHED

TECHNICAL DATA

Fluid connections	2" TRI-CLAMP DN 40 ISO 2852
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 ~
ⓑ II 3/3 G Ex h IIB T4 Gc ⓑ II 3 D Ex h IIB T135℃ Dc >	K

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

PERFORMANCE



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		

MODELCASINGDIAPHRAGMBALLSSEATSGASKETCONNECTIONSATEXPORTSPF0400S = SS POLISHEDHT = HYTREL+PTFET = PTFE
S = SSS = SST = PTFE
S = SS3 = TRI-CLAMP
1 = BSP
6 = DIN- = zone 2
X = zone 1EF = STANDARD

TECHNICAL DATA

PERFORMANCE

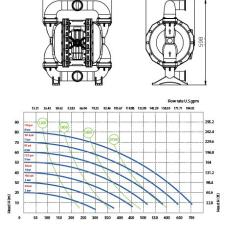
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PF 70



SS ELECTRO-POLISHED FDA

Fluid connections	2"1/2 TRI-CLAMP
	DN 50 ISO 2852
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 ~
🐼 II 3/3 G Ex h IIB T4 Gc	
🐼 II 3 D Ex h IIIB T135°C Dc X	



O Air consumption Nit/min [SCFM] O Air supply pressure 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 Т

iver vveight	remperature
51 kg	- 20 °C +95 °C

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
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

PF 1000



SS ELECTRO-POLISHED FDA

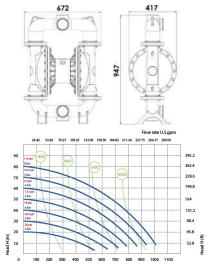
TECHNICAL DATA

Fluid connections	3" TRI-CLAMP DN 80 ISO 2852
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 ~
🐼 II 3/3 G Ex h IIB T4 Gc	
🐼 II 3 D Ex h IIIB T135°C Dc 🕽	X

Displacement per stroke may vary based on suction

condition, discharge head, air pressure and fluid type.

PERFORMANCE



O Air supply pressure Air consumption Nit/min [SCFM] 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			
122 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 = TRI-CLAMP 6 = DIN	- = zone 2 X = zone 1	AB = STANDARD