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AODD PUMPS

www.fluimac.com







👩 fluimac'

MAIN FEATURES

Fluimac is an original, young and dynamic company built in 2012 for a new concept of product. It is specialized in providing pump solutions with an innovative and continuously developing design of range. The huge experience, knowledge and efficiency of its team is the starting point of its own business.

Fluimac stands out for its reliable and prompt technical support and assistance. The internal research and development department ensures the proficiency of its team, which constantly grows in order to satisfy all the customers' needs. The company keeps up with the constant evolution of the national and international market and its quality control guarantees innovative and certificated products, which respect current legal standards.

The organization of the warehouse and the assembly/testing department, allows the company to offer short delivery times, immediate check of availability, speedy shipments and fast service assistance. The policy of Fluimac relies also on excellent customer service and a network of efficient, reliable distributors who ensure willingness, quality and technical support. This makes Fluimac a high quality company, grounded in excellence.

fluimac





OUR VISION

To be your partner of choice for pumping solutions, globally.

OUR MISSION

Fluimac, is a passionate, dedicated Global Family of Professionals. We listen to each of our Partners and are committed to deliver the right solution in the Fluid handling and Industrial Process market.

OUR VALUES

Mutual Respect Doing business is about being able to generate trust between Customer and Supplier, and this trust can only be developed if there is a basis of mutual respect. So, at Fluimac we believe in extending the Mutual Respect we have as an internal ethic and bringing it to our Business Partnerships.We'll make sure we deliver against our commitments, on time and in a transparent fashion, so you know can plan for your own business needs.







AIR OPERATED DOUBLE DIAPHRAGM PUMPS

Flow-rate from 4 lt/min to 1.050 lt/min. Special version Available.



PHOENIX Air operated double diaphragm pumps Flow-rate from 4 lt/min to 1.050 lt/min.



PHOENIX FOOD

Air operated double diaphragms pumps Flow-rate from 20 lt/min to 1.050 lt/min.



SPECIAL PUMPS

Phoenix Atex, Accurate Phoenix, Flap Phoenix, Steel Phoenix, Drum Phoenix, Twin Phoenix, Submersible Phoenix and Power Phoenix.



DAMPER

Pneumatic, automatic pulsation dampeners. Applicable to all size of pumps. Available also in ATEX and FOOD version.



LOTUS

Pure Air operated double diaphragm pumps Flow-rate from 55 It/min to 110 It/min



PIEZO

Air operated sampling pumps Flow-rate 8 It/min



ACCESORIES

Accessories Air operated double diaphragm pumps

















AIR OPERATED DOUBLE DIAPHRAGM PUMPS

MATERIALS OF CONSTRUCTION: PP, PVDF+CF, ALUMINIUM, SS AISI 316, POMc Flow-rate from 4 lt/min to I.050 lt/min







🔘 Fluid Air

Suction Cycle

Compressed air fills right inner chamber, causing the opposing diaphragm to create suction, lifting the lower valve ball, pulling in fluid at inlet. Simultaneously, the right chamber is in "Discharge" cycle.





Discharge Cycle

Compressed air fills left inner chamber, causing upper valve ball to open and discharge fluid. Simultaneously, the right chamber is in "Suction" cycle.

INSTALLATION



Pump installed below head (positive suction) when it is necessary to empty completely the container



Self priming pump installed above head (negative suction) pump initially works with dry column without problem



Pump installed above drum or tank

with special featuring pump



Pump installed on hopper for high viscosity liquid

hopper's height helps the pump to treat the fluid. Air pressure has to be high, Suction tube has to be bigger than pump's size



Submerged pump it is necessary to check the chemical compatibility





Pump installed on a mobile unit

Suspended

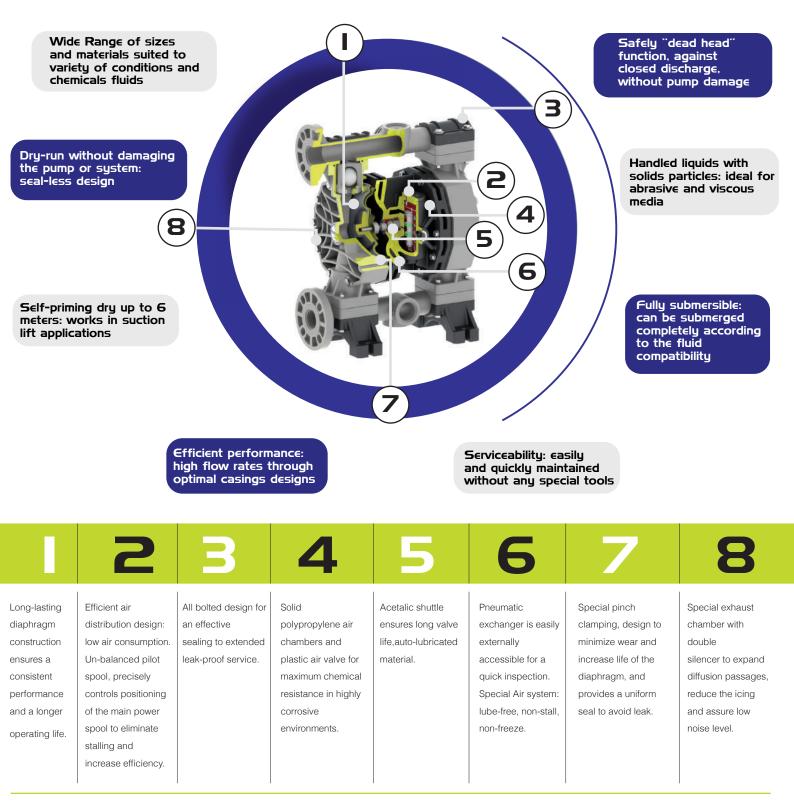
fixing

with a trolley or cart when pump must be often moved

special version with fixing feet

also in the upper part, for ceiling





QUALITY 100% wet tested after final assembly: deadheading, priming and sealing **SAFE** ATEX certifications in all versions: Conductive plastic pumps available **FLEXIBILITY** Multiple porting options available along with interface options

SIZE

4

4 lt/min

1/4" BSPP

8

7 lt/min

1/4" BSPP

20

20 lt/min

3/8" BSPP

35

35 lt/min

1/2" BSPP

55

55 lt/min

1/2" BSPP

60

65 lt/min

1/2" BSPP

90

100 lt/min

3/4"BSPP

120

120 lt/min

1"BSPP

170

170 lt/min

1"BSPP/DN25

252

400

1"1/2BSPP DN40

CASING

DIAPHRAGM

HYTREL

Good low temperature

properties. Good

abrasion resistance.

SANTOPRENE HIGH

Solutions and dilute

RESISTANCE

acids.

NBR

Good for

petroleum-based

fluids, water, oils,

MILD chemicals.

hydrocarbons and

NBR

D

EPDM

н

HT

BALL

NBR Good for petroleum-based fluids, water, oils, hydrocarbons and MILD chemicals.



D EPDM

Ν

OK with caustic solutions, dilute acids, ketones and alcohols. Good abrasion resistance.



т PTFE

Widest chemical compatibility, extreme corrosion resistance, non-adhesive, high heat resistance.



S SS

High level of corrosion and abrasion resistance. Good for viscous fluids.



Wide chemical compatibility. General purpose.Reinforced with glass-fiber.

PC

KC

0

CONDUCTIVE

Wide chemical

POLYPROPYLENE

compatibility. General

purpose.Groundable.

CONDUCTIVE PVDF

Strong chemical

resistance to acids.

resistance. Groundable.

High temperature

Ρ

POLYPROPYLENE





ACETAL Wide range of solvent and hydrocarbons resistance. Good level of abrasion resistance. (Just 4, 8 and 10 size).



OC CONDUCTIVE ACETAL

Wide range of solvent and hydrocarbons. Good level of abrasion resistance. Groundable. (Just 4, 8 and 10 size).



ALUMINUM

Wide range of solvent and hydrocarbons. Good level of abrasion resistance.



S SS - AISI 316 Electropolished High level of corrosion and abrasion resistance.











MT

Widest chemical compatibility, extreme corrosion resistance, non-adhesive, high heat resistance



abrasion resistance. HT

HYTREL + PTFE Widest chemical compatibility, extreme corrosion resistance, non-adhesive, high heat resistance

















250 lt/min 1"1/4 BSPP 380 lt/min

700 700 lt/min 2"BSPP DN50

1000 1050 lt/min 3"BSPP DN80



AP ACCURATE PHOENIX

MODEL

Ρ

PF

PHOENIX



TP TWIN PHOENIX



PP POWDER PHOENIX



PS SUBMERSIBLE PHOENIX



DP **DRUM PHOENIX**



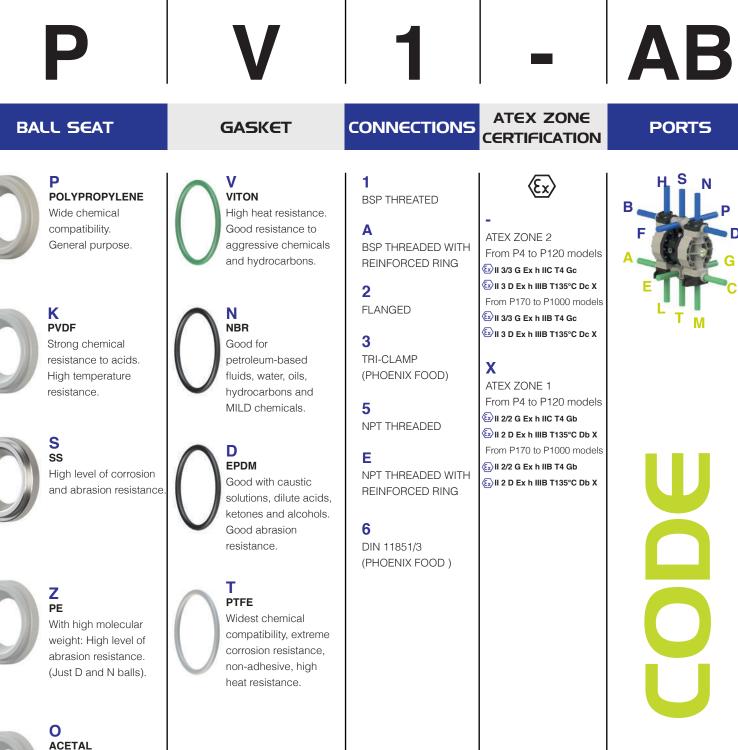
FP **FLAP PHOENIX**











A W arr re of

Wide range of solvent and hydrocarbons resistance. Good level of abrasion resistance.

SPECIAL FEATURES

SP STAINSTEEL PHOENIX CENTRAL BLOCK IN SS SCP STROKE COUNTER PHOENIX WITH EXTERNAL PNEUMATIC SIGNAL PCR PHOENIX WITH SHORTER STROKES PCL PHOENIX WITH LONGER STROKES

PUMP SELECTION

To select the right FLUIMAC pump for your application, the following factors should be considered to achieve economy of operation, long pump life, and minimal maintenance costs:

- The nature of the medium to be pumped, its viscosity, and the solids content
- Pumping capacity in relation to the desired output
- Suction and pressure conditions

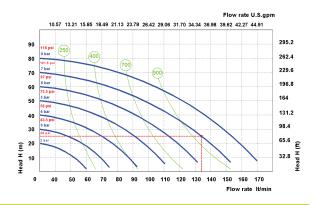
Considering these parameters, an optimal pump size is selected when the intersection of the intended installation "pressure vs. flow rate" is near the middle section of the curves.

USING PERFORMANCE CURVES

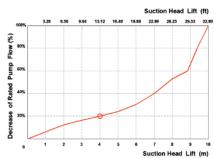
To determine compressed air requirements and proper size for a FLUIMAC AODD pump, two elements of information are required:

- 1 Required Flow Rate
- 2 Total Delivery Head

As an example, consider a P170 pump performance curve, pumping about 135 l/min at 25m.Point A on the performance curve is where the desired Flow Rate and Total Delivery Head points intersect. This point determines compressed air requirements for the particular pump. At performance point A, the pump will require approximately 7 bar air inlet pressure. To arrive at this figure, follow the solid blue curve to the left to read the air pressure rating in BAR. By looking at the nearest green curve, it is determined the pump will require approximately 900 nl/min (Normal Liter per minute) of air consumption

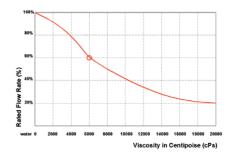


SPECIFIED SUCTION LIFT



With a suction lift of 4 m, pump rate decreases by approximately 20%. Valid for pumps 3/4" and larger; data varies with pump configuration.

VISCOUS LIQUIDS PERFORMANCE DATA



During the conveyance of a fluid with a viscosity of 6000cPs, the pump rate decreases to 60% of its rated value (100% = water). Valid for 3/4" pumps & larger.

PUMP TYPE	AODD	CENTRIFUGAL	LOBE	GEAR	SCREW	PERISTALIC	PISTON
	0	5	-		Welder.		L.
Variable Flow & Head Control					!		✓
Deadhead Safely	✓	\checkmark	!	!	!	!	!
Dry-Running	\checkmark	x	x	x	x	\checkmark	X
Dry Self-Priming	\checkmark	x	x	\checkmark	x	\checkmark	1
No Mechanical Alignment	 ✓ 	x	x	Х	X	x	X
No Electrical Installation	\checkmark	x	x	x	X	x	x
Portability	\checkmark	\checkmark	!	!	!	\checkmark	!
Submersible	✓	!	х	X	X	x	!
Sealless	✓	!	!	!	!	✓	!
Cavitation Tolerance	✓	x	!	!		\checkmark	!
Low Shear & Degradation	\checkmark	x	\checkmark	\checkmark	!		!

Suitable ! = Limitations X = Not Recommended



IN 25 ch 20°C B BST

PPRO



MATERIALS OF CONSTRUCTION: PP, PVDF+CF, ALUMINIUM, SS AISI 316, POMc Flow-rate from 4 lt/min to I.050 lt/min









PVDF+CF

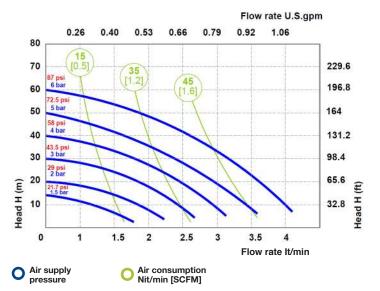


POMc

TECHNICAL DATA

Fluid connections	1/4" BSPP
Air connection	1/8" BSPP
Max. Flow rate	4 It/min
Max air pressure	6 bar
Max delivery head	60 mt
Max Suction Lift Dry	3 mt
Max Suction Lift Wet	9,8 mt
Max Solid passing	2 mm
Noise level:	62 dB
Max Viscosity:	5000 cps
Displacement per Stroke:	18 CC ~
ⓑ II 3/3 G Ex h IIC T4 Gc ⓑ II 3 D Ex h IIB T135℃ Dc X	
Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.	

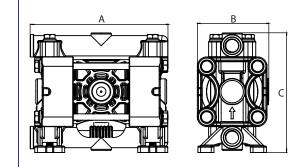
PERFORMANCE



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

DIMENSIONS

	Α	В	С	Net Weight	Temp	erature
PP	129 mm	67 mm	112 mm	0,84 kg	- 4 °C	+ 65 °C
PVDF	129 mm	67 mm	112 mm	0,84 kg	- 20 °C	+ 95 °C
POMc	129 mm	67 mm	112 mm	0,84 kg	- 5 °C	+ 80 °C



COMF	OSITION							
MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0004	P = PP KC = PVDF+CF O = POMc	NT = NBR+PTFE	T = PTFE S = SS	P = PP K = PVDF O = POMc	D = EPDM V = VITON N = NBR T = PTFE	1 = BSP A = BSP WITH RING 5 = NPT E = NPT WITH RING	- = zone 2	AB = STANDARD







PVDF+CF

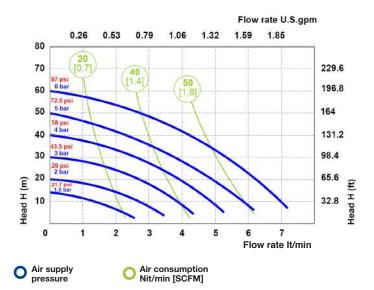


POMc

TECHNICAL DATA

Fluid connections	1/4" BSPP
Air connection	1/8" BSPP
Max. Flow rate	7 lt/min
Max air pressure	6 bar
Max delivery head	60 mt
Max Suction Lift Dry	3 mt
Max Suction Lift Wet	9,8 mt
Max Solid passing	2 mm
Noise level:	62 dB
Max Viscosity:	5000 cps
Displacement per Stroke:	18 CC ~
ⓑ II 3/3 G Ex h IIC T4 Gc ⓑ II 3 D Ex h IIB T135℃ Dc X	
Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.	

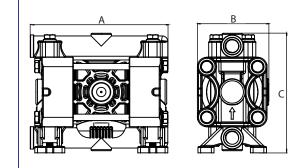
PERFORMANCE



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

DIMENSIONS

	Α	В	С	Net Weight	Temp	erature
PP	129 mm	67 mm	112 mm	0,84 kg	- 4 °C	+ 65 °C
PVDF	129 mm	67 mm	112 mm	0,84 kg	- 20 °C	+ 95 °C
POMc	129 mm	67 mm	112 mm	0,84 kg	- 5 °C	+ 80 °C



COMP	OSITION							
MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0008	P = PP KC = PVDF+CF O = POMc	NT = NBR+PTFE	T = PTFE S = SS	P = PP K = PVDF O = POMc	D = EPDM V = VITON N = NBR T = PTFE	1 = BSP A = BSP WITH RING 5 = NPT E = NPT WITH RING	- = zone 2	AB = STANDARD





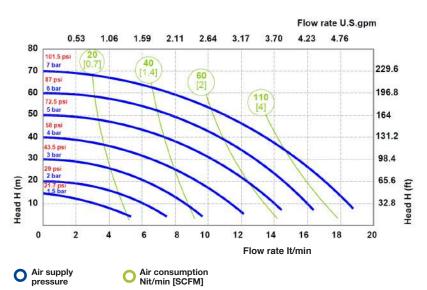




TECHNICAL DATA

Fluid connections	3/8" BSPP
Air connection	1/4" BSPP
Max. Flow rate	20 It/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.	

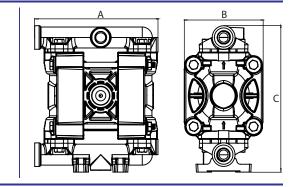
PERFORMANCE



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

DIMENSIONS

	Α	В	С	Net Weight		
PP	147 mm	93 mm	170 mm	, - J	- 4 °C	+ 65 °C
PVDF	147 mm	93 mm	170 mm	1,6 kg	- 20 °C	+ 95 °C
POMc	147 mm	93 mm	170 mm	1,5 kg	- 5 °C	+ 80 °C
SS	148 mm	85 mm	152 mm	2,3 kg	- 20 °C	+ 95 °C



MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0020	P = PP KC = PVDF+CF O = POMc S = SS	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL W = SANTOPRENE H.R	T = PTFE S = SS	P = PP K = PVDF O = POMc S = SS	D = EPDM V = VITON N = NBR T = PTFE	1 = BSP A = BSP WITH RING 5 = NPT E = NPT WITH RING	- = zone 2	AB = STANDARD





PVDF+CF



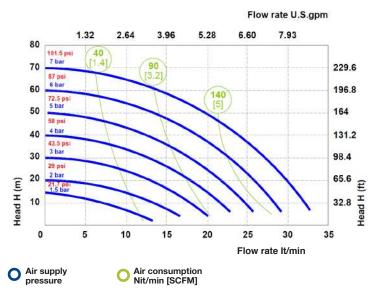
ALU



TECHNICAL DATA

Fluid connections	1/2" BSPP
Air connection	1/4" BSPP
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 ~
ⓑ 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.	

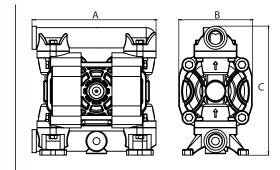
PERFORMANCE



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

DIMENSIONS

	Α	В	С	Net Weight	Tomp	oraturo
PP	177 mm		186 mm		_	
PVDF		105 mm		2,3 kg	- 20 °C	+ 95 °C
ALU	183 mm	110 mm	189 mm	2,8 kg	- 20 °C	+ 65 °C + 95 °C + 95 °C + 95 °C
SS	181 mm	106 mm	192 mm	3,8 kg	- 20 °C	+ 95 °C



MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0035		HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL W = SANTOPRENE H.R.	D = EPDM	K = PVDF O = POMc	N = NBR	A = BSP WITH RING	- = zone 2	AB = STANDARD





PVDF+CF



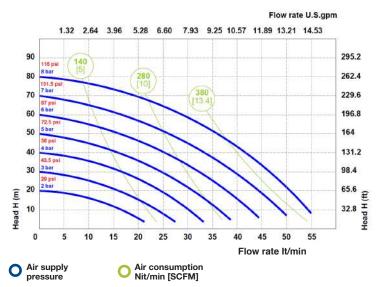
ALU



TECHNICAL DATA

Fluid connections	1/2" BSPP
Air connection	1/4" BSPP
Max. Flow rate	55 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:	70 dB
Max Viscosity:	15.000 cps
Displacement per Stroke:	140 CC ~
ⓑ II 3/3 G Ex h IIC T4 Gc ⓑ II 3 D Ex h IIB T135℃ Dc X	
Displacement per stroke may vary based on suction	

PERFORMANCE

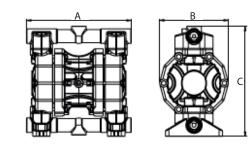


The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

DIMENSIONS

condition, discharge head, air pressure and fluid type.

	Α	В	С		Temperature	
PP	238 mm	156 mm	249 mm	3,8 kg 4,8 kg 3,8 kg 6,8 kg	- 4 °C	+ 65 °C
PVDF	238 mm	156 mm	249 mm	4,8 kg	- 20 °C	+ 95 °C
ALU	234 mm	156 mm	245 mm	3,8 kg	- 20 °C	+ 95 °C
SS	234 mm	156 mm	269 mm	6,8 kg	- 20 °C	+ 95 °C



MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0055	P = PP KC = PVDF+CF S = SS A = ALU	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL W = SANTOPRENE H.R. D = EPDM N = NBR	D = EPDM	K = PVDF	D = EPDM V = VITON N = NBR T = PTFE	1 = BSP A = BSP WITH RING 5 = NPT E = NPT WITH RING	- = zone 2	AB = STANDARD





PVDF+CF



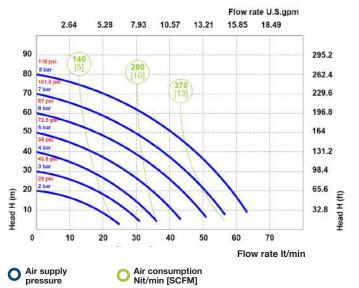
ALU



TECHNICAL DATA

Fluid connections	1/2" BSPP
Air connection	1/4" BSPP
Max. Flow rate	65 It/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℃ Dc X	
Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.	

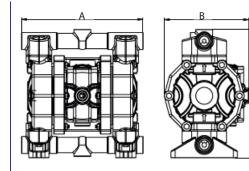
PERFORMANCE



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

DIMENSIONS

	Α	В	С		Temperature	
PP	238 mm	165 mm	249 mm	4,3 kg 5,3 kg 4,3 kg 7,3 kg	- 4 °C	+ 65 °C
PVDF	238 mm	165 mm	249 mm	5,3 kg	- 20 °C	+ 95 °C
ALU	234 mm	165 mm	245 mm	4,3 kg	- 20 °C	+ 95 °C
SS	234 mm	165 mm	269 mm	7,3 kg	- 20 °C	+ 95 °C



COMPOSITION

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0060	P = PP KC = PVDF+CF S = SS A = ALU	MT = SANTOPRENE+PTFE H = HYTREL	D = EPDM	K = PVDF	D = EPDM V = VITON N = NBR T = PTFE	1 = BSP A = BSP WITH RING 2 = FLANGED 5 = NPT E = NPT WITH RING	- = zone 2	AB = STANDARD

С







PVDF+CF



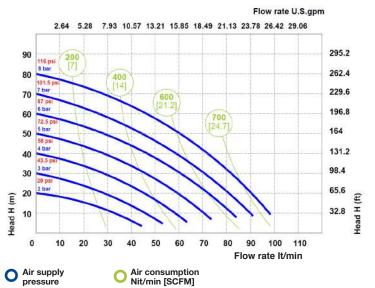
ALU



TECHNICAL DATA

Fluid connections	3/4" BSPP
Air connection	3/8" BSPP
Max. Flow rate	100 lt/mm
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 ~
ⓑ II 3/3 G Ex h IIC T4 Gc ⓑ II 3 D Ex h IIB T135℃ Dc X	
Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.	

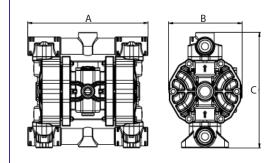
PERFORMANCE



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

DIMENSIONS

					Temperature	
	Α	В	С			
PP	293 mm	179 mm	267 mm	5,1 kg 6,6 kg 5,6 kg 7,6 kg	- 4 °C	+ 65 °C
PVDF	293 mm	179 mm	267 mm	6,6 kg	- 20 °C	+ 95 °C
ALU	293 mm	178 mm	290 mm	5,6 kg	- 20 °C	+ 95 °C
SS	280 mm	178 mm	291 mm	7,6 kg	- 20 °C	+ 95 °C



MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0090	P = PP KC = PVDF+CF S = SS A = ALU	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL W = SANTOPRENE H.R. D = EPDM N = NBR	D = EPDM	K = PVDF	D = EPDM V = VITON N = NBR T = PTFE	1 = BSP A = BSP WITH RING 2 = FLANGED 5 = NPT E = NPT WITH RING	- = zone 2	AB = STANDARD







PVDF+CF



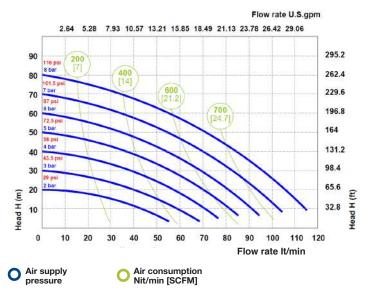
ALU



TECHNICAL DATA

Fluid connections	1" BSPP
Air connection	3/8" BSPP
Max. Flow rate	120 lt/mm
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 ~
ⓑ 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.	

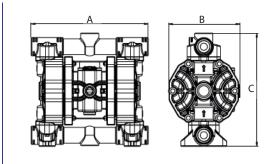
PERFORMANCE



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

DIMENSIONS

	Α	В	С		Temperature	
PP	293 mm	179 mm	280 mm	5,6 kg 7,6 kg 5,6 kg 9,6 kg	- 4 °C	+ 65 °C
PVDF	293 mm	179 mm	280 mm	7,6 kg	- 20 °C	+ 95 °C
ALU	293 mm	178 mm	301 mm	5,6 kg	- 20 °C	+ 95 °C
SS	280 mm	178 mm	291 mm	9,6 kg	- 20 °C	+ 95 °C



MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0120	P = PP KC = PVDF+CF S = SS A = ALU	MT = SANTOPRENE+PTFE H = HYTREL	D = EPDM	K = PVDF	N = NBR	1 = BSP A = BSP WITH RING 2 = FLANGED 5 = NPT E = NPT WITH RING	- = zone 2	AB = STANDARD



PP



PVDF+CF



ALU (P 160)

PERFORMANCE



SS

TECHNICAL DATA

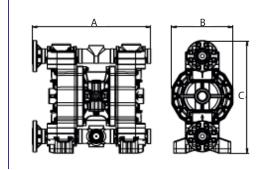
Fluid connections	1" BSPP-DN25
Air connection	1/2" BSPP
Max. Flow rate	170 lt/mm
Max air pressure	8 bar
Max delivery head	80 m
Max Suction Lift Dry	5 m
Max Suction Lift Wet	9,8 m
Max Solid passing	7,5 mm
Noise level:	75 dB
Max Viscosity:	35.000 cps
Displacement per Stroke:	700 CC ~
ᡚ II 3/3 G Ex h IIB T4 Gc ᡚ 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	

Flow rate U.S.gpm 10.57 13.21 15.85 18.49 21.13 23.78 26.42 29.06 31.70 34.34 36.98 39.62 42.27 44.91 295.2 90 400 6 ps 8 bar 262.4 700 80 01.5 p 900 229.6 70 87 196.8 60 164 50 131.2 40 98.4 30 65.6 65.6 32.8 H (#) 20 Head H (m) 10 0 60 70 80 90 100 110 120 130 140 150 160 170 40 50 Flow rate It/min O Air supply pressure O Air consumption Nit/min [SCFM]

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

DIMENSIONS

					Temperature	
PP	430 mm	222 mm	414 mm	14,2 kg 16,2 kg 13,2 kg 17,2 kg	- 4 °C	+ 65 °C
PVDF	430 mm	222 mm	414 mm	16,2 kg	- 20 °C	+ 95 °C
ALU	370 mm	222 mm	364 mm	13,2 kg	- 20 °C	+ 95 °C
SS	357 mm	222 mm	371 mm	17,2 kg	- 20 °C	+ 95 °C



MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
10170		MT = SANTOPRENE+PTFE H = HYTREL	D = EPDM	K = PVDF	D = EPDM V = VITON N = NBR T = PTFE	1 = BSP 2 = Flanged 5 = NPT	- = zone 2	AB = STANDARD



PP



PVDF+CF



ALU (P 250)

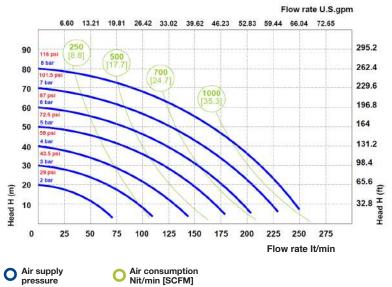


SS

TECHNICAL DATA

Fluid connections	1"1/4" BSPP
Air connection	1/2" BSPP
Max. Flow rate	250 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 ~
ᡚ II 3/3 G Ex h IIB T4 Gc ᡚ 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).

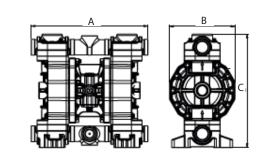
PERFORMANCE



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

DIMENSIONS

	Α	В	С	Net Weight	Temperature	
PP	396 mm	222 mm	388 mm	14,2 kg 16,2 kg 13,2 kg 17,2 kg	- 4 °C	+ 65 °C
PVDF	396 mm	222 mm	388 mm	16,2 kg	- 20 °C	+ 95 °C
ALU	370 mm	222 mm	365 mm	13,2 kg	- 20 °C	+ 95 °C
SS	357 mm	222 mm	371 mm	17,2 kg	- 20 °C	+ 95 °C



MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0252 P0250 (ONLY ALU)	P = PP KC = PVDF+CF S = SS A = ALU		D = EPDM	K = PVDF	D = EPDM V = VITON N = NBR T = PTFE	1 = BSP A = BSP WITH RING 2 = FLANGED 5 = NPT E = NPT WITH RING	- = zone 2	AB = STANDARD



PP



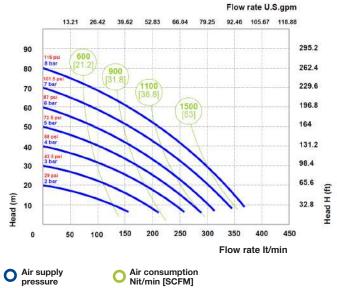




TECHNICAL DATA

Fluid connections	1"1/2 BSPP-DN 40
Air connection	1/2" BSPP
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 IIIB T135℃ Dc X	
Displacement per strake may yery based on	suction

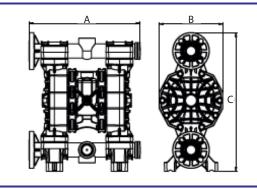
PERFORMANCE



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 a free delivery outlet with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

	Α	В	С	Net Weight	Temp	erature
PP	454 mm	260 mm	564 mm	18,2 kg	- 4 °C	+ 65 °C
PVDF	454 mm	260 mm	564 mm	22,2 kg 22,2 kg 25,3 kg	- 20 °C	+ 95 °C
ALU	444 mm	260 mm	563 mm	22,2 kg	- 20 °C	+ 95 °C
SS	361 mm	260 mm	502 mm	25,3 kg	- 20 °C	+ 95 °C



COMPOSITION

DIMENSIONS

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0400	P = PP KC = PVDF+CF S = SS A = ALU	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL W = SANTOPRENE H.R. D = EPDM N = NBR	T = PTFE S = SS D = EPDM N = NBR	K = PVDF	D = EPDM V = VITON N = NBR T = PTFE	1 = BSP 2 = FLANGED 5 = NPT	- = zone 2	AB = STANDARD EF = STANDARD SS



PP



PVDF+CF



ALU



SS

TECHNICAL DATA

Fluid connections	2" BSPP-DN 50
Air connection	3/4" BSPP
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 ~
ᡚ II 3/3 G Ex h IIB T4 Gc ᡚ II 3 D Ex h IIIB T135℃ Dc X	
Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid to	

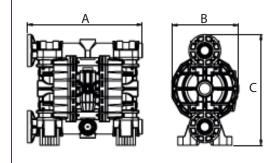
PERFORMANCE



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

DIMENSIONS

	Α	В	С	Net Weight		
PP	595 mm	345 mm	570 mm	30,6 kg 41,6 kg 37,6 kg 51 kg	- 4 °C	+ 65 °C
PVDF	595 mm	345 mm	570 mm	41,6 kg	- 20 °C	+ 95 °C
ALU	595 mm	340 mm	567 mm	37,6 kg	- 20 °C	+ 95 °C
SS	487 mm	340 mm	599 mm	51 kg	- 20 °C	+ 95 °C



MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0700	P = PP KC = PVDF+CF S = SS A = ALU	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL W = SANTOPRENE H.R. D = EPDM N = NBR	D = EPDM	K = PVDF	D = EPDM V = VITON N = NBR T = PTFE	1 = BSP 2 = FLANGED 5 = NPT	- = zone 2	AB = STANDARD EF = STANDARD SS







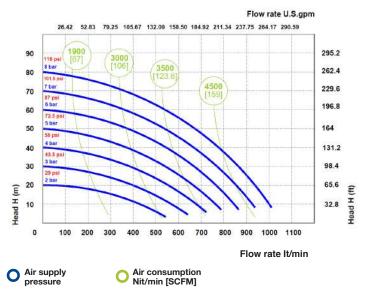
ALU



TECHNICAL DATA

Fluid connections	3" BSPP-DN 80				
Air connection	3/4" BSPP				
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 ~				
ᡚ II 3/3 G Ex h IIB T4 Gc ᡚ 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.					

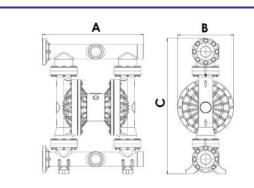
PERFORMANCE



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

DIN	IEN	ISI	ON	S

	Α	В	С		Temperature	
PP	780 mm	417 mm	1024 mm	62 kg 77 kg 84 kg 122 kg	- 4 °C	+ 65 °C
PVDF	780 mm	417 mm	1024 mm	77 kg	- 20 °C	+ 95 °C
ALU	710 mm	417 mm	940 mm	84 kg	- 20 °C	+ 95 °C
SS	672 mm	417 mm	946,5 mm	122 kg	- 20 °C	+ 95 °C



MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P1000	P = PP KC = PVDF+CF S = SS A = ALU	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL W = SANTOPRENE H.R. D = EPDM N = NBR	D = EPDM	K = PVDF	D = EPDM V = VITON N = NBR T = PTFE	1 = BSP 2 = FLANGED 5 = NPT	- = zone 2	AB = STANDARD



MATERIALS OF CONSTRUCTION: SS AISI 3I6 electro-polished Flow-rate from 20lt/min to I.000 lt/min Tri-Clamp Connection.



TECHNICAL DATA

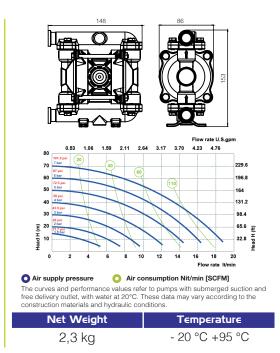
PERFORMANCE



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



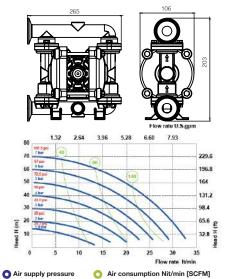
SS ELECTRO-POLISHED

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 IIIB T135℃ Dc X	

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
3,8 kg	- 20 °C +95 °C

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

TECHNICAL DATA

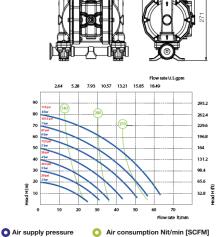
PERFORMANCE

50



SS ELECTRO-POLISHED

1" TRI-CLAMP Fluid connections DN 1" BS 4825 1/4" BSP Air connection 65 lt/min Max. Flow rate 8 bar Max air pressure Max delivery head 80 m 5 m Max Suction Lift Dry 9,8 m Max Suction Lift Wet 3,5 mm Max Solid passing 72 dB Noise level: 20.000 cps Max Viscosity: Displacement per Stroke: 140 CC ~ 🔄 II 3/3 G Ex h IIC T4 Gc 🔄 II 3 D Ex h IIIB T135°C Dc X



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				

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



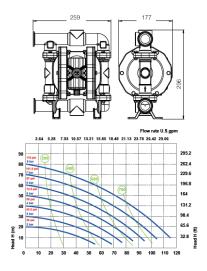
SS ELECTRO-POLISHED

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 ~
🐼 II 3/3 G Ex h IIC T4 Gc	
ⓑ II 3 D Ex h IIIB T135℃ Dc >	K

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

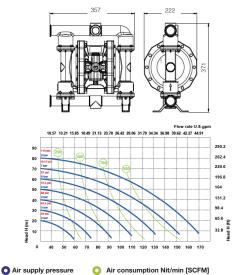
TECHNICAL DATA

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	



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



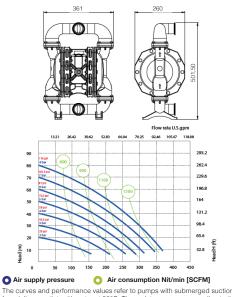
SS ELECTRO-POLISHED FD

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	^{2:} 1200 CC ~
ⓑ II 3/3 G Ex h IIB T4 Gc ⓑ II 3 D Ex h IIIB T135℃ Dc 3	x

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			

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

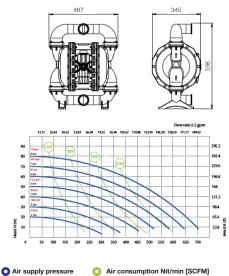
TECHNICAL DATA

PERFORMANCE



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	



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

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



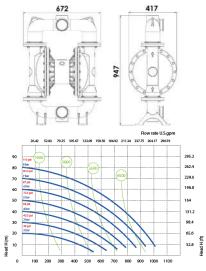
SS ELECTRO-POLISHED COMPLIANT

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	e: 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 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	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



SPECIAL PUMPS

THE REAL PROPERTY AND

PHOENIX ATEX - Ex ZONE I PHOENIX ATEX - IECEx ACCURATE PHOENIX FLAP PHOENIX STEEL PHOENIX DRUM PHOENIX SUBMERSIBLE PHOENIX TWIN PHOENIX POWDER PHOENIX





PUMPS

ALL RANGE

- MAINS APPLICATIONS
- Petrol-Chemical Industry
- Painting industry
- Flexographic industry
- Automotive industry
- Food industry

ATEX MARKING (Ex

- For the product design and conformity evaluation we used following documents:
- 2014/34/EU: ATEX Directive, on the approximation of European Member States laws concerning protection equipment and systems to be used in potentially explosive environments.
- UNI CEI EN ISO 80079-36:2016 Explosive atmospheres Part 36: Non-electrical equipment for explosive atmospheres Basic method and requirements
- UNI CEI EN ISO 80079-37:2016 Explosive atmospheres Part 37: Non-electrical equipment for explosive atmospheres nonelectrical type of protection constructional safety "c", control of ignition sources "b", liquid immersion "k".

To follow the ATEX marking referred to the equipment for explosive GAS atmosphere:

🕼 II 2/2 G Ex h IIC T4 Gb (P01-P03-P07-P18-P30-P50-P55-P60-P65-P90-P100-P101- P120)

😥 II 2/2 G Ex h IIB T4 Gb (P160-P170-P171-P250-P252-P400-P700-P1000)

To follow the ATEX marking referred to the equipment for explosive DUST atmosphere:

(Ex)II 2 D Ex h IIIB T 135°C Db X (all models)

	· · · · · · · · · · · · · · · · · · ·				
Æx>	Safety symbol				
II	Equipment group for surface				
2/2 G	Category 2 equipment that can be installed in the presence of an explosive atmosphere consisting of zone 1 gas, even indoors. Category 2 equipment that can be installed in presence of an explosive atmosphere consisting zone 1 gas, even indoors.				
Ex	Symbol to identify it as approved under the IECEx scheme				
h	Type of protection according to ISO IEC 80079-36:2016				
llB o llC	Product suitable for installation in the presence of Group IIB or IIC gas (depending on the model)	IIIB	Product suitable for installation in presence of Group IIIB dusts (excluding conductive dusts)		
T 4	Temperature class	T135°C	Maximum surface temperature		
Gb	EPL Gb protection level in accordance with EN 60079-0: 12 and EN 80079-36: 16 Standards.	Db	EPL Gb protection level in accordance with EN 60079-0: 12 and EN 80079-36: 16 Standards.		

Special Condition for safe use: the pump can't process explosive dust inside.

Fluimac has filed with the BUREAU VERITAS certification body the documentation certifying ATEX compliance pursuant to Directive 2014/34 / UE for its ranges of AODD pumps and pulsation dampeners, with special construction materials to have zone 1 certification. The equipment user is responsible for classifying their installation zone. Before installation the equipment user always has to check the compliance with the classification of the installation zone.

IECEX MARKING

Х

For the product design and conformity evaluation we used following documents:

- UNI CEI EN ISO 80079-36:2016 Explosive atmospheres Part 36: Non-electrical equipment for explosive atmospheres Basic method and requirements
- UNI CEI EN ISO 80079-37:2016 Explosive atmospheres Part 37: Non-electrical equipment for explosive atmospheres nonelectrical type of protection constructional safety "c", control of ignition sources "b", liquid immersion "k".

To follow the IECEx marking referred to the equipment for explosive DUST atmosphere:

Ex h IIC T4 Gb (P01-P03-P07-P18-P30-P50-P55-P60-P65-P90-P100-P101-P120)

Ex h IIB T4 Gb (P160-P170-P171-P250-P252-P400-P700-P1000)



To follow the IECEx marking referred to the equipment for explosive DUST atmosphere: Ex h IIIB T 135°C Db (all models)

	Safety symbol				
h	Type of protection according to ISO IEC 80079-36:2016				
llB o ll	B o IIC Product suitable for installation in the presence of Group IIB or IIC gas (depending on the model) IIIB Product suitable for installation in presence of Gr				
T 4	Temperature class	T135°C	Maximum surface temperature		
Gb	bEPL Gb protection level in accordance with EN 60079-0: 12 and EN 80079-36: 16 StandardsDbEPL Gb protection level in accordance with EN 60079-0: 12 and EN 80079-36: 16 Standards				
Х	Special Condition for safe use: the pump can't process explosive dust inside.				

Fluimac technical file is deposited with the certifying body IEC EUROFINS.

The equipment user is responsible for classifying their installation zone. Before installation the equipment user always has to check the compliance with the classification of the installation zone.

PHOENIX ATEX FOR MINES

PUMPS	MAINS APPLICATIONS
ALL RANGE	PETROL - CHIMICAL INDUSTRYFLEXOGRAPHIC INDUSTRY

- FOOD INDUSTRY
- PAINTING INDUSTRY
- AUTOMOTIVE INDUSTRY

I M2 Ex h I Mb X

I	Mines
M2	Category M2 equipment that can be installed in mines in "hazardous condition 2" that is in a potentially explosive atmosphere consisting of firedamp and coal dust.
Ex	Conventional symbol Ex
h	Protection mode for constructional safety "c"
I	Equipment for use in mine
Mb Protection level EPL Mb in accordance with EN 60079-0:12 and EN 80079-36:16 standards.	

The internal area of the pump is not ATEX, i.e., it cannot process explosive fluids when installed in mines. The pumps must be installed in Х areas with low impact risk.

NB: aluminium versions excluded









TECHNICAL DATA

Fluimac technical file is deposited with the certifying body IEC EUROFINS. The equipment user is responsible for classifying their installation zone. Before installation the equipment user always has to check the compliance with the classification of the installation zone.

ACCURATE PHOENIX

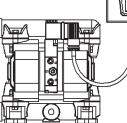
PU	
FUI	VIFS

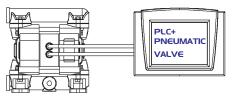
AP7	AP90
AP18	AP120
AP30	AP170
AP60	AP252

MAINS APPLICATIONS

- CHEMICAL INDUSTRY
- WASTE DISPOSAL TECHNOLOGY
- FLEXOGRAPHIC INDUSTRY
- PAINTING INDUSTRY
- PRINTING INDUSTRY
- WATER TREATMENT







TECHNICAL DATA

ACCURATE PHOENIX are Pumps that give you the external pump control necessary for exacting applications such as batching. Featuring a direct electrical interface that utilizes electrical impulses to stroke the pump instead of differential pressure, the ACCURATE PHOENIX provides a variable stroke rate that you can easily control as needed.

FLAP PHOENIX

PUMPS

FP0170	FPF0170
FP0400	FPF0400
FP0700	FPF0700
FP1000	FPF1000



MAIN APPLICATIONS

- WASTE DISPOSAL TECHNOLOGY
- FOOD INDUSTRY
- CERAMIC



TECHNICAL DATA

FLAP PHOENIX are heavy duty flap valve pump has a proven design that solves the most common challenges in bad applications, sump applications, mine dewatering, food applications and any liquid application involving solids. Thanks to the FLAP valve the solid passing increase up to 30mm

STEEL PHOENIX

PUMPS

from SP0018 to SP0700 MODELS from SPF0018 to SPF0700 MODELS

MAIN APPLICATIONS

- CHEMICAL INDUSTRY
- AUTOMOTIVE INDUSTRY
- FOOD INDUSTRY





TECHNICAL DATA

The entire construction of the central block is made of Stainless Steel 316 making the PHOENIX STEEL air operated double diaphragms pumps series extremely resistant to corrosion, guaranteeing at the same time robust and solid solution for continuous operations, also with low or high temperature.

DRUM PHOENIX

PUMPS

DP18 - DP30 - DP60 - DP120 - DP170

MAIN APPLICATIONS

- CHEMICAL INDUSTRY
- WASTE DISPOSAL TECHNOLOGY
- AUTOMOTIVE INDUSTRY
- FOOD INDUSTRY



TECHNICAL DATA

DRUM PHOENIX are designed for emptying drums and containers, and provide an economical and wear resistant alternative to other pumping systems. In order to handle a wide range of fluids, DP pumps are available in all materials. The pump can be quickly and easily mounted on the drum with its feet. The drum will be completely emptied with a suction pipe.

TWIN PHOENIX

PUMPS

ALL RANGE

MAIN APPLICATIONS

- PAINTING INDUSTRY
- WASTEWATER TECHNOLOGY
- PRINTING INDUSTRY
- PAPER PROCESSING
- FLEXOGRAPHIC INDUSTRY



TECHNICAL DATA

TWIN PHOENIX are mainly used in the textile and paper processing industry. These dual action pumps are able to transfer two different media independently and simultaneously. This is accomplished by using separate connections on the suction and discharge ports, keeping two pumped media isolated from each other, preventing unwanted mixing.

SUBMERSIBLE PHOENIX

PUMPS

ALL RANGE

MAIN APPLICATIONS

- CHEMICAL INDUSTRY
- WASTE DISPOSAL TECHNOLOGY
- FOOD INDUSTRY
- PETROL-CHEMICAL INDUSTRYPUMPSMAIN



TECHNICAL DATA

SUBMERSIBLE pumps may be submerged into the liquid. It is impor-tant to make sure that all components which are in contact with the liquid are chemically compatible. The air exhaust must be led to the atmosphere by means of a hose.

NOTE: check the compatibility chart for all materials.

POWDER PHOENIX

PUMPS

ALL RANGE

MAIN APPLICATIONS

- PAINTING INDUSTRY
- WASTEWATER TECHNOLOGY
- PRINTING INDUSTRY
- PAPER PROCESSING
- FLEXOGRAPHIC INDUSTRY



TECHNICAL DATA

POWDERS pumps are designed to move bulk powders more effectively throughout your process vs. other unsafe and labor intensive means. These heavy duty pumps will consistently transfer fine-grained, low-bulk density dry powders in a dust-free operation.



DAMPER

Pneumatic, automatic pulsation dampeners MATERIAL OF CONSTRUCTION: PP, PVDF, ALUMINIUM, SS AISI 3I6, POMc Applicable to all size of pumps. ATEX ZONE 2 AND ZONE I CERTIFICATION Available also in FOOD version.





The active pulsation dampener is the most efficient way to remove pressure variations on the discharge of the pump. Fluimac pulsation dampener works actively with compressed air and a diaphragm, setting automatically the correct pressure to minimize the pulsations. Pulsation dampeners require minimum maintenance and are, subject to the requirements of the application, available in the same housing and diaphragm materials as the pump.

HOW IT WORK

The pulsating flow of the discharge forces the diaphragm upwards where it is cushioned by the air in the chamber. The flexing of the diaphragm absorbs the pulsation giving a smooth flow.



Significant Pulsation Reduction with an average 70% - 80% pulsation reduction in high back pressure applications



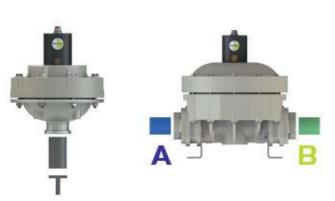
APPLICATION

- METERING/ INJECTION/DOSING Equalizes discharge pressure spikes, increasing accuracy
 FILTER PRESS/INLINE FILTERS
- FILTER PRESS/INLINE FILTERS Increases filter efficiency and life by providing a smooth flow
 SPRAYING
- Smooth, consistent spray pattern.
- FILLING
- Eliminates inconsistent filling and splashing. • TRANSFER
- Eliminates harmful water hammer, preventing pipe and valve damage.

INSTALLATION



PORT POSITION



DAMPE	R 20	TECHNICAL DATA		D	IMENSIO	NS	
PP PVDF+CF	O D D D D D D D D D D D D D D D D D D D	Air connectionImage: ConnectionMax air pressureImage: Connection	35	A (mm) B (mm) Net Weight Kg Max Temperature Min Temperature	PP PVDF 119 119 143 143 0,65 0,7 +65°C +95°C -4°C -20°C	POMc 55 119 119 143 143 0,65 2 +80°C +95°C -5°C -20°C	
MODEL	CASING	DIAPHRAGM		CONNECTION	S	PORTS	
D020	P = PP KC = PVDF+CF O = POMc S = SS	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL W= SANTOPRENE H.R.		1 = BSP 2 = FLANGE 5 = NPT		T = STANDARD	
DF020	S = SS	HT = HYTREL+PTFE		3 = TRI-CLAMP		T = STANDARD	
DAMPER 25		TECHNICAL DA		D	IMENSIO	NS	

D**2**5 ٢

PP

TH THE

POMc

.

PVDF+CF

Ī	Fluid connections	1" BSP
	Air connection	8 mm
	Max air pressure	8 bar
	Capacity Volume	200 CC ~
	ⓑ II 3/3 G Ex h IIC T4 Gc ⓑ II 3 D Ex h IIIB T135℃ Dc X	
	APPLY TC 55 - 60 - 90	

SS

	PP	PVDF	POMc	SS
A (mm)	181	181	181	181
B (mm)	195	195	195	195
Net Weight Kg	1,75	2	1,9	6,7
Max Temperature	+65°C	+95°C	+80°C	+95°C
Min Temperature	-4°C	-20°C	-5°C	-20°C

M

MODEL	CASING	DIAPHRAGM	CONNECTIONS	PORTS
D025	P = PP KC = PVDF+CF O = POMc S = SS	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL W= SANTOPRENE H.R. D = EPDM N = NBR	1 = BSP 2 = FLANGE 3 = TRI-CLAMP 5 = NPT	T = STANDARD
DF025	S = SS	HT = HYTREL+PTFE	3 = TRI-CLAMP	T = STANDARD

۲

SS (DF025)

DAMPE	R 40	TECHNICAL DATA	A	DIMENSIONS		
D4C PP PVDF+CF	D D D D D D D D D D D D D D D D D D	Air connection10 mMax air pressure8 ba	r A (mm) CC ~ B (mm) Net Weight Kg Max Temperatu Min Temperatu	ure +65°C +95°C +80°C +95°C		
MODEL	CASING	DIAPHRAGM	CONNEC	TIONS PORTS		
D040	P = PP KC = PVDF+CF O = POMc S = SS	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL W= SANTOPRENE H.R. D = EPDM N = NBR	1 = BSP 2 = FLAN(5 = NPT			
DF040	S = SS	HT = HYTREL+PTFE	3 = TRI-CI	LAMP T = STANDARD		
DAMPE	R 50	TECHNICAL DATA	A	DIMENSIONS		
DSC PP PDF+CF		Fluid connections 2" B Air connection 12 m Max air pressure 8 ba Capacity Volume 2900 I 3/3 G Ex h IIB T4 Gc II 3/3 G Ex h IIB T135℃ Dc X	nm A (mm) B (mm) Net Weight Kg Max Temperatu Min Temperatu	ure +65°C +95°C +80°C +95°C		
	P = PP KC = PVDF+CF	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL	D = EPDM V = VITON	1 = BSP 2 = FLANGE		

MT = SANTOPRENE+PT H = HYTREL W= SANTOPRENE H.R. D = EPDM N = NBR KC = PVDF+CF A = ALU S = SS V = VITON N = NBR T = PTFE 2 = FLANGE 5 = NPT 38 DF050 **HT =** HYTREL+PTFE T = PTFE 3 = TRI-CLAMP S = SS

D050

AB = STANDARD

AB = STANDARD



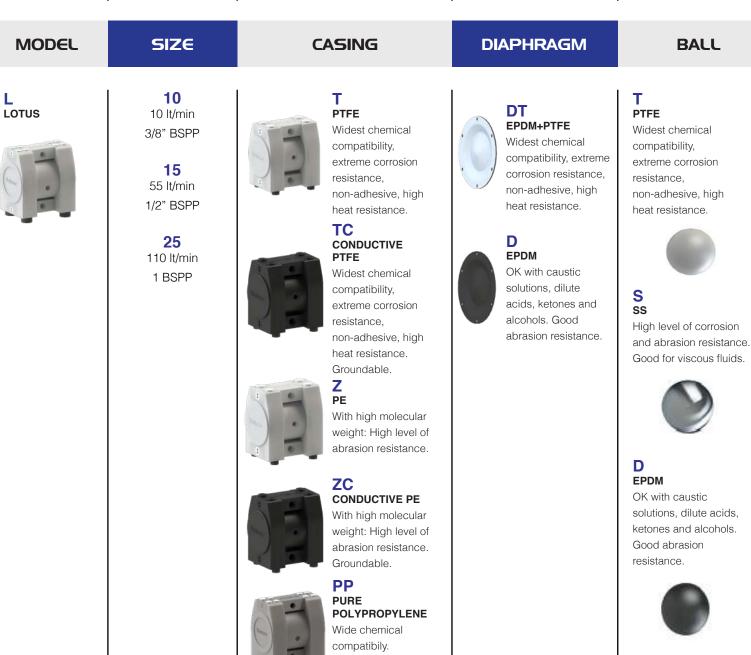
MED



MATERIALS OF COSTRUCTION: PTFE, PTFE+CF, PE, PE+CF, PP Flow-rate from IO lt/min to IIO lt/min ATEX VERSION AVAILABLE



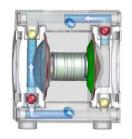
L 0015



General purpose.

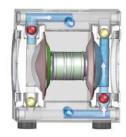
PUMP OPERATION

FluidAir



Suction Cycle

Compressed air fills right inner chamber, causing the opposing diaphragm to create suction, lifting the lower valve ball, pulling in fluid at inlet. Simultaneously, the right chamber is in "Discharge" cycle.



DT

Discharge Cycle



Compressed air fills left inner chamber, causing upper valve ball to open and discharge fluid. Simultaneously, the right chamber is in "Suction" cycle.

40

FF ATEX ZONE BALL SEAT CONNECTIONS PORTS GASKET CERTIFICATION Т Т 1 PTFE PTFE **BSP THREATED** Widest chemical Widest chemical **ATEX ZONE 2** compatibility, extreme compatibility, extreme 2 L10 and L15 models corrosion resistance, corrosion resistance, FLANGED 🐼 II 3/3 G Ex h IIC T4 Gc non-adhesive, high non-adhesive, high 🐼 II 3 D Ex h IIIB T135°C Dc X heat resistance heat resistance. L25 model 5 🐼 II 3/3 G Ex h IIB T4 Gc Ζ NPT THREADED F 🐼 II 3 D Ex h IIIB T135°C Dc X PE FEP-FKM With high molecular With high molecular X ATEX ZONE 1 weight: High level of weight: High level of L10 and L15 models abrasion resistance. abrasion resistance. 🔄 II 2/2 G Ex h IIC T4 Gb PP **LABLE CODE** 🔄 II 2 D Ex h IIIB T135°C Db X PURE L25 model D POLYPROPYLENE EPDM 🖾 II 2/2 G Ex h IIB T4 Gb Wide chemical 🖾 II 2 D Ex h IIIB T135°C Db X Good with caustic compatibily. solutions, dilute acids, General purpose. ketones and alcohols. Good abrasion resistance.

SPECIAL FEATURES

TL PTFE LOTUS CENTRAL BLOCK IN PTFE

INSTALLATION



Pump installed below head (positive suction) when it is necessary to empty completely the container



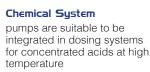
Self priming pump installed above head (negative suction) pump initially works with dry column without problem







Pump installed on a mobile unit with a trolley or cart when pump must be often moved





The materials of construction of the Lotus series are PTFE, CONDUCTIVE PTFE, PE, CONDUCTIVE PE and PURE POLYPROPYLENE. The Lotus pumps are suitable to work with hazardous chemicals such as acids, caustics, and solvents.

FEATURES AND BENEFITS

- Machined plastic design
- Increased capacity
- Increased safety
- Decreased air consumption
- Easy cleanability
- Reduced noise level
- Decreased downtime
- Optimized flow pattern
- Increased quality
- Long service life
- Increased reliability
- Used in demanding process applications
- Robust plastic design with reinforcement ring for enhanced sealing and torque retention

APPLICATIONS

- Abrasive Slurries
- Solar Cell
- Biopharmaceutical
- Chemicals
- Etching Agents
- Ceramic
- Sludge Transfer
- Glazes Transfer
- Paints
- Varnish
- High Concentrated Acids and Bases

- Grinding and Drilling Emulsions
- Paper and Printing
- Glue Transport
- Printing Inks Transport
- Industrial Water Treatment
- Sample Analysis
- Wastewater Neutralization
- Feeding Filter Presses with Sludge
- Chemical Treatment of Wafers
- Corrosive, Hazardous or Toxic Chemicals

Machined for Precision

FLUIMAC's solid plastic block increases the pump's strength and life cycle while eliminating many maintenance concerns. The LOTUS Series CNC machined solid block of PTFE, PE or PP allows to deal with the harshest environments. The LOTUS Series solid plastic block construction is mechanically machined rather than injection moulded. The CNC technology enables tight tolerances, along with reduced vibration, less risk of leakage, and greater stability and durability. The high static mass leads to smooth operation with reduced vibration.

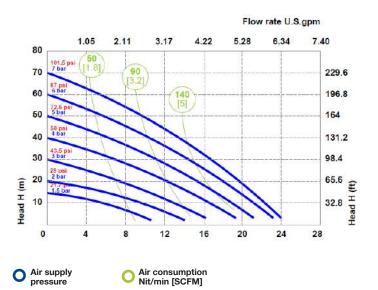




TECHNICAL DATA

Fluid connections	3/8" BSP			
Air connection	1/4" BSP			
Max. Flow rate	24 It/min			
Max air pressure	7 bar			
Max delivery head	70 m			
Max Suction Lift Dry	4 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 ~			
ጭ II 3/3 G Ex h IIB T4 Gb ጭ II 3 D Ex h IIIB T135℃ Db X				
Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.				

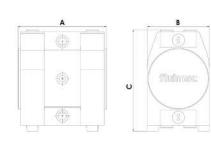
PERFORMANCE



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

DIMENSIONS

	Α	В	С	Net Weight		
PTFE	157 mm	110 mm	180 mm	5 kg	- 20 °C	+ 120 °C
PTFE+CF	157 mm	110 mm	180 mm	5 kg	- 20 °C	+ 120 °C
PE	157 mm	110 mm	180 mm	2,5 kg	- 4 °C	+ 65 °C
PE+CF	157 mm	110 mm	180 mm	2,5 kg	- 4 °C	+ 65 °C
PP	157 mm	110 mm	180 mm	5 kg 5 kg 2,5 kg 2,5 kg 2,5 kg	- 4 °C	+ 65 °C



COMPOSITION

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
L010	T = PTFE TC = PTFE+CF Z = PE ZC = PE+CF PP = PURE PP	DT = EPDM+PTFE D = EPDM	T = PTFE S = SS D = EPDM	T = PTFE Z = PE PP = PURE PP	T = PTFE F = FEP+FKM D = EPDM	1 = BSP 2 = Flanged 5 = NPT	- = zone 2 X = zone 2	EF = STANDARD

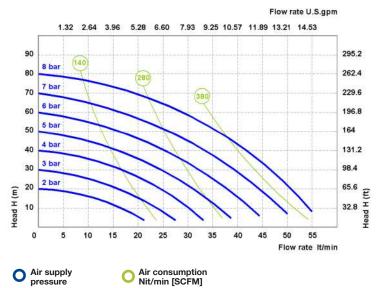
L 15



TECHNICAL DATA

Fluid connections	1/2" BSP			
Air connection	1/4" BSP			
Max. Flow rate	55 lt/min			
Max air pressure	8 bar			
Max delivery head	80 m			
Max Suction Lift Dry	4 m			
Max Suction Lift Wet	9,8 m			
Max Solid passing	3,5 mm			
Noise level:	70 dB			
Max Viscosity:	20.000 cps			
Displacement per Stroke:	140 CC ~			
ᡚ II 3/3 G Ex h IIB T4 Gb ᡚ II 3 D Ex h IIIB T135℃ Db X				
Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.				

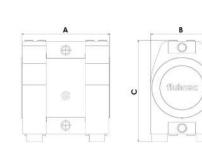
PERFORMANCE



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

DIMENSIONS

	Α	В	С	Net Weight	Temp	erature
PTFE	226 mm	160 mm	260 mm	14 kg	- 20 °C	+ 95 °C
PTFE+CF	226 mm	160 mm	260 mm	14 kg	- 20 °C	+ 95 °C
PE	226 mm	160 mm	260 mm	6,7 kg	- 4 °C	+ 65 °C
PE+CF	226 mm	160 mm	260 mm	6,7 kg	- 4 °C	+ 65 °C
PP	226 mm	160 mm	260 mm	6,7 kg	- 4 °C	+ 65 °C + 65 °C



COMPOSITION

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
L015	T = PTFE TC = PTFE+CF Z = PE ZC = PE+CF PP = PURE PP	DT = EPDM+PTFE D = EPDM	T = PTFE S = SS D = EPDM	T = PTFE Z = PE PP = PURE PP	T = PTFE F = FEP+FKM D = EPDM	1 = BSP 2 = FLANGED 5 = NPT	- = zone 2 X = zone 2	EF = STANDARD

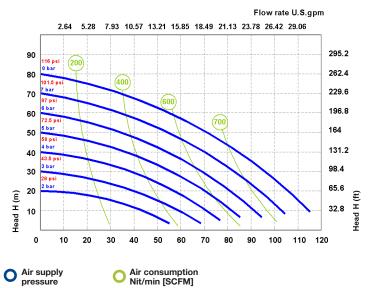
L 25



TECHNICAL DATA

Fluid connections	1" BSP			
Air connection	1/2" BSP			
Max. Flow rate	110 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 IIB T4 Gb ᡚ II 3 D Ex h IIIB T135℃ Db X				
Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.				

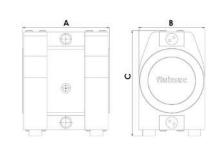
PERFORMANCE



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

DIMENSIONS

	А	В	С	Net Weight	Temp	erature
PTFE	275 mm	210 mm	334 mm	28,3 kg 28,3 kg 28,3 kg	- 20 °C	+ 95 °C
PTFE+CF	275 mm	210 mm	334 mm	28,3 kg	- 20 °C	+ 95 °C
PE	275 mm	210 mm	334 mm	28,3 kg	- 20 °C	+ 95 °C
PE+CF	275 mm	210 mm	334 mm	13,83	- 4 °C	+ 65 °C
PP	275 mm	210 mm	334 mm	13,83 13,83	- 4 °C	+ 65 °C



COMPOSITION

PP = PURE PP

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
L025	TF = PTFE TF = PTFE+CF Z = PE ZC = PE+CF	DT = EPDM+PTFE D = EPDM	T = PTFE S = SS D = EPDM	T = PTFE Z = PE PP = PURE PP	T = PTFE F = FEP+FKM D = EPDM	1 = BSP 2 = FLANGED 5 = NPT	- = zone 2 X = zone 1	EF = STANDARD





FLUIMAC developed and patented a new pump model, PIEZO PUMP, a unique pump, designed for the environmntal remediation applications.

PIEZO PUMP is an easily transportable pneumatic system, which can be installed inside wells with a minimum internal diameter of 4" for the following purposes:

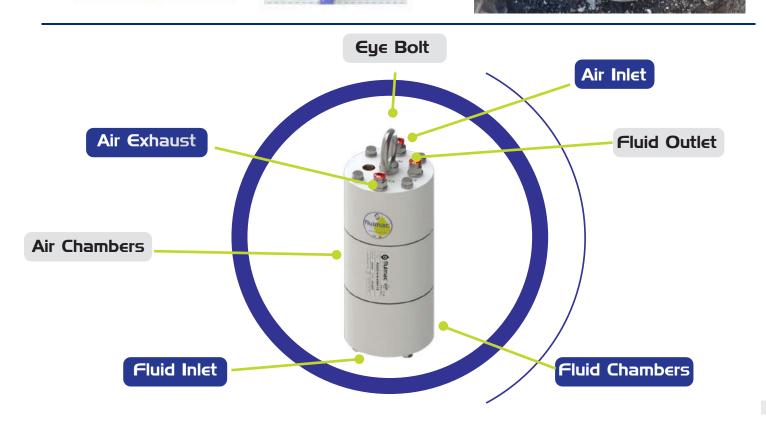
- Groundwater pumping as part of remediation activities or remediation plants;
- Recovery Technology for LNAPL / DNALP (light / dense non-aqueous phase liquid);
- Oil handling in ATEX classified areas;
- Low-flow representative sampling at different depths inside environmental monitoring wells;
- Excellent tool for environmental emergency response activities.

FEATURES:

- Operation with high subsidence value of water level (max. approx. 50 m);
- Possibility to work both above and below the water level;
- Can work with solids in the water flow (max. approx. 2.5 mm);
- Constant pumping at low flow rates (approx. 0.25-4.00 l/min)
- Easy flow management through compressed air supply;
- Lightweight, compact and compatible with 4" wells;
- Possibility to send the air exhaust out of the well.

INSTALLATION





PZ |0001|

ΡZ



DIAPHRAGM

Ν

Т

PTFE

NBR

Good for

petroleum-based

fluids, water, oils,

hydrocarbons and

MILD chemicals.

Widest chemical

compatibility, extreme corrosion resistance,

non-adhesive, high

heat resistance.

BALL

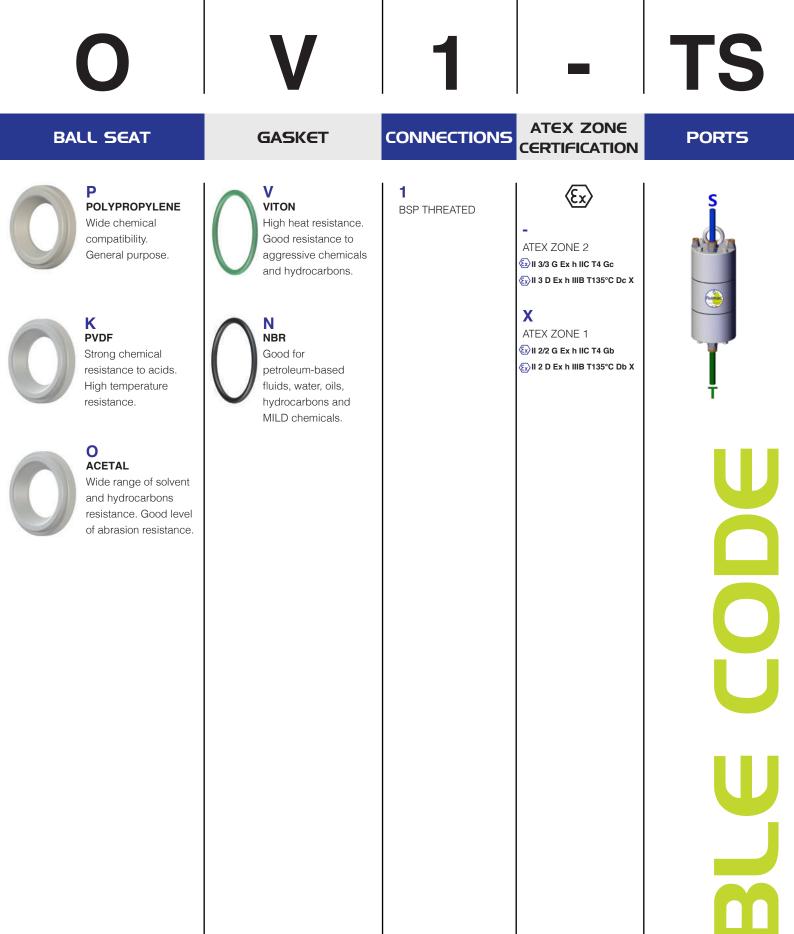
Т PTFE

Widest chemical compatibility, extreme corrosion resistance, non-adhesive, high heat resistance.

S SS

High level of corrosion and abrasion resistance. Good for viscous fluids.

Wide range of solvent and hydrocarbons. Good level of abrasion resistance. Groundable.



PIEZO PUMP





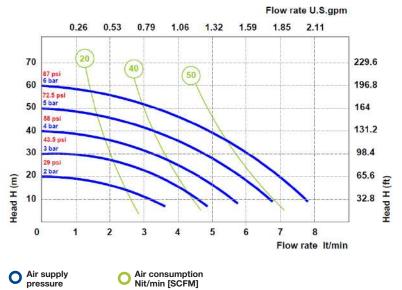
TECHNICAL DATA

Fluid connections	1/4" BSP
Air connection	1/4" BSP
Max. Flow rate	8 lt/min
Max air pressure	6 bar
Max delivery head	60 m
Max Suction Lift Dry	3 m
Max Solid passing	2 mm
Noise level	65 dB
Max Viscosity	5.000 cps
Displacement per Stroke	24 CC ~
ⓑ II 3/3 G Ex h IIB 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.

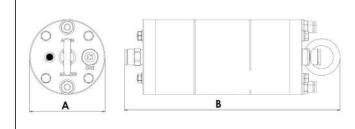
PERFORMANCE



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

DIMENSIONS

	Α	В		Temperature	
POMC+CF			1,7 kg 1,7 kg 2,2 kg 1,7 kg	- 5 °C	+ 80 °C
POMc PVDF		242 mm 242 mm	1,7 kg 2.2 kg	- 5 °C - 20 °C	+ 80 °C + 69
PP		242 mm	1,7 kg	- 4 °C	+ 65 °C



COMPOSITION

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTION	S ATEX	PORTS
PZ001	O = POMc P = PP K = PVDF OC = POM+0	N = NBR TT = PTFE+PTFE		O = POMc P = PP K = PVDF	N = NBR V = VITON D = EDPM		- = ZONE 2 X = ZONE 1	TS = STANDARD





AIR REGULATION KIT

Adjust and set air pressure and air flow-rate with a filter regulator, pressure gauge and air valve unit.



INOX TROLLEY It makes pumps transportable.



SWITCH VALVES Remotely start and stop with a solenoid or pneumatic valve for the pump's air line.



ANTI VIBRATION FEET KITI Reduces physical vibration from AODD pump operation.



STROKE COUNTER Count the number of strokes, connected to a control. It allows various type of monitoring.



PP, PVDF, ALU SS NOOZLE Dispenser to delivery control and batching.



DIAPHRAM FAILURE DETECTION FLUID-GUARD The Leak Detector provide a signal and the

pump can be shut down when diaphrams fail.



REINFORCED PVC HOSE With metal reinforcement for suction/discharge, also food-grade.



PNEUMATIC BATCH CONTROL Pneumatic batcher can control any FLUIMAC AODD pump allowing you to set the cycles amount and count the strokes



FOOT BALL VALVE Realized in PP and PVDF. Size available 1" - 1"1/4 - 1"1/2 - 2" Used to prevent the suction hose from emptyng.



ELECTRONIC BATCH CONTROL Electronic batcher can control any FLUIMAC AODD pump allowing you to set the cycles amount and count the strokes



BASKET STRAINER FILTERS

Installed on the suction of the pumps, protects them from suspended solids and impurity.



FLANGE CONNECTION KIT

IN PP, PVC, INOX

VALVES

FITTINGS AND

CONNECTIONS

It modifies a pump with BSP connection into a flanged pump.



PRESSURE BOOSTER Where the line pressure is not enough, this system doubles the in let pressure to supply correctly the air to the pump



WALL FIXING BRACKET

Wall fixing bracket for diaphragm pumps, for all sizes.







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