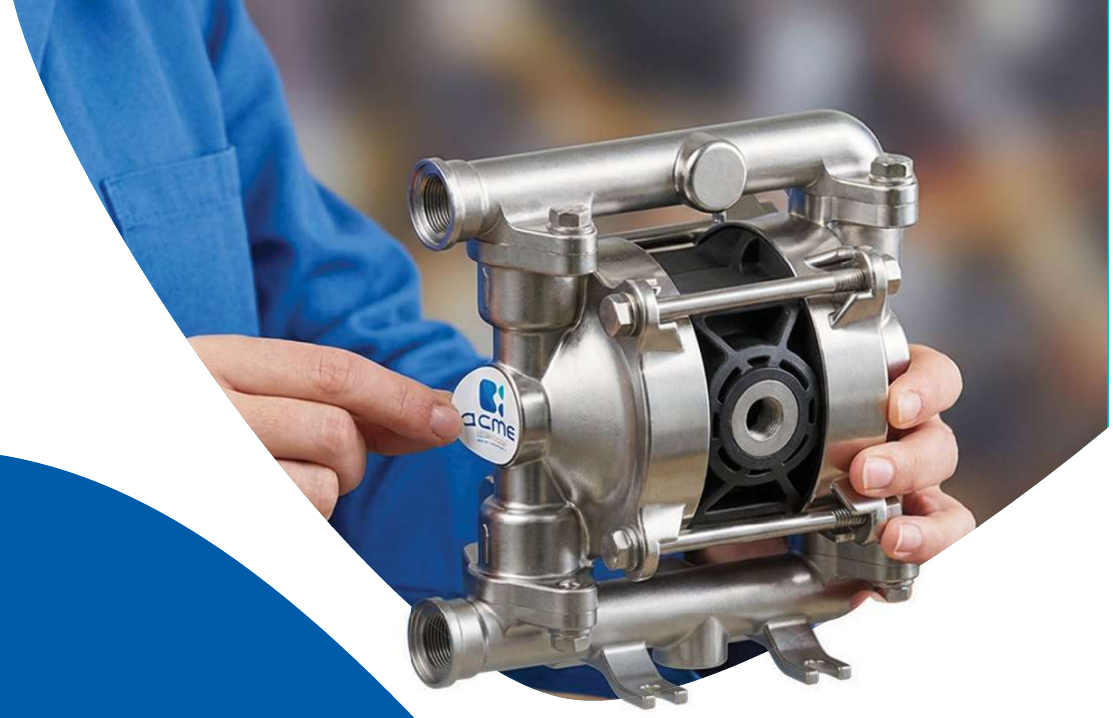
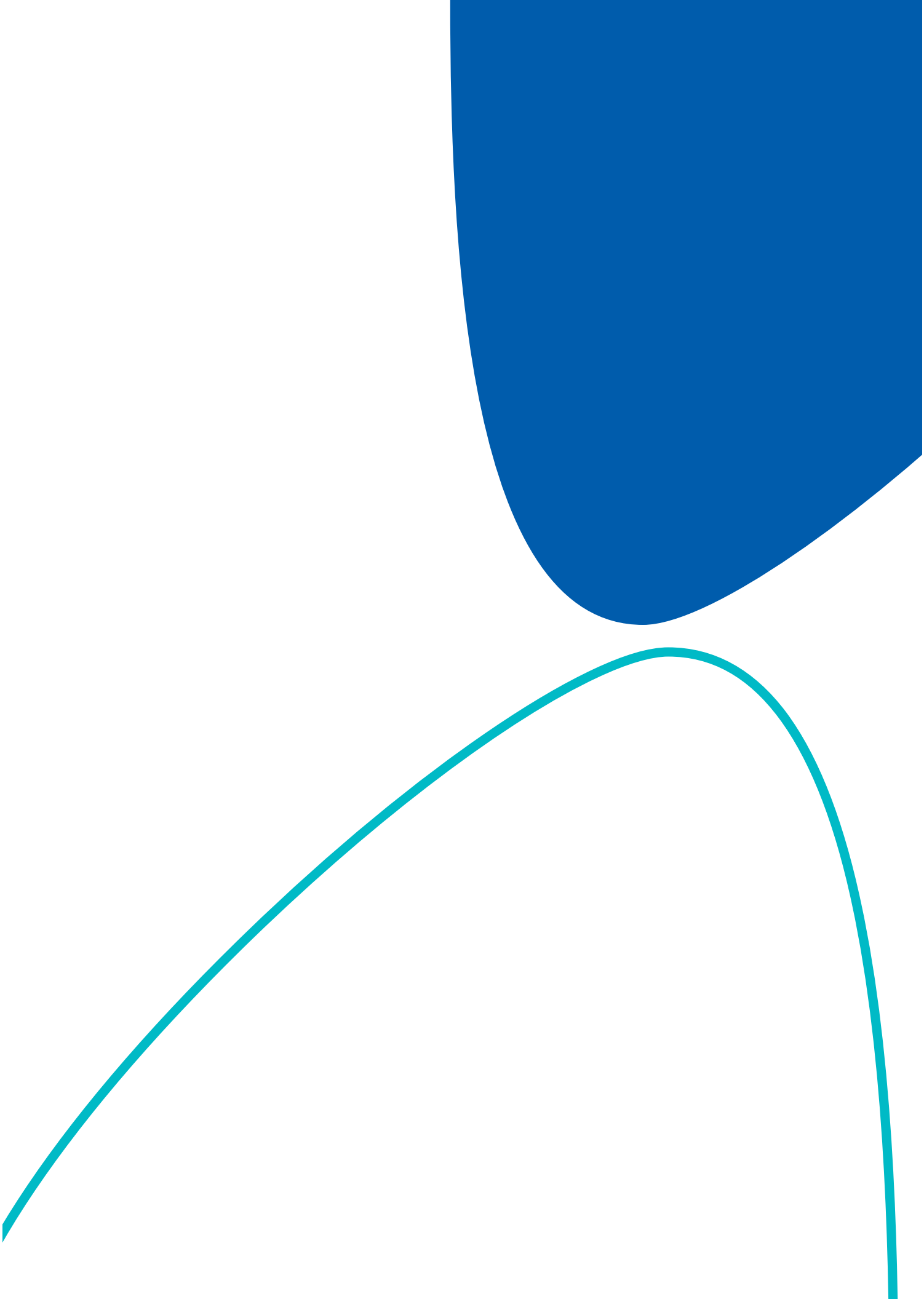


acme
clever pumps

AODD
PUMPS

www.acmepompe.it



INDEX

ACME – CLEVER PUMPS
INNOVATIVE SOLUTIONS FOR FLUID TRANSFER AND DOSING **SINCE 1992**

Founded in 1992, ACME Pumps quickly established itself as one of the leading manufacturers of industrial peristaltic pumps, air-operated double diaphragm pumps, centrifugal pumps and diaphragm metering pumps. With decades of experience supporting businesses across various sectors, our mission is to deliver highly specialized, tailor-made pumping solutions, solving complex challenges and meeting the unique needs of every customer.

Headquarters and Production Facility

ACME's headquarters and manufacturing facility are located in Santo Stefano Ticino, just 25 km west of Milan and 30 km south of Malpensa Airport (MXP). This strategic location allows us to efficiently serve both national and international clients, offering excellent logistical connections for shipments and customer support. Our facility houses both the production plant and the commercial offices, enabling close coordination between our technical and sales teams to ensure fast, customized service.

A Dynamic, Customer-Focused Company

ACME is a lean and flexible organization, able to adapt swiftly to market demands. Our customer-centric approach is reflected in our unique ability to respond to specific and customized requests. Thanks to our strong design expertise and long-standing partnerships with trusted suppliers, we can handle demand surges and provide prompt, reliable solutions—even through well-established subcontracting agreements.

High-Quality Products for Every Industrial Sector

ACME offers a wide range of AODD pumps, ideal for dosing and transferring fluids in a variety of industrial applications. Sizes range from 1/4" to 3", with flow rates between 1 and 1,050 L/min. Flow is adjustable on all models simply by regulating the air inlet pressure and flow. Thanks to FDA and ATEX certifications, our pumps are fully qualified to operate in the food and pharmaceutical industries, as well as in any environments classified as potentially explosive.

ACME pumps are used across a wide range of industries, including:

- **Water purification, wastewater treatment, aquariums, marine and naval sectors**
- **Chemical, pharmaceutical, and cosmetics industries**
- **Winemaking, food, and dairy sectors**
- **Paints, inks, paper mills, and tanneries**
- **Construction, cement and ceramic plants**
- **Oil & Gas sector, refineries, and fuel storage facilities.**

Thanks to their durability and versatility, our pumps are ideal for transferring and dosing challenging fluids such as corrosive, abrasive, viscous liquids, or those with solid suspensions. They are designed to handle intermittent flow, difficult suction conditions, and can run dry for extended periods.

Our Mission and Commitment to Quality

Our mission is clear: to deliver specific, customized pumping solutions with the customer always at the center. To ensure maximum reliability, we are constantly improving our products and manufacturing processes. Quality is our hallmark, achieved through:

- Long-standing collaborations with trusted suppliers

- Careful selection of materials and components
- Strict control over the entire production process
- Specialized expertise within our team

A Leading International Brand

Driven by the professionalism and passion of our team, ACME has grown steadily over the years, strengthening its presence both in the local and international markets. Today, we are recognized as one of the key players in the pump sector, and we continue to expand our reach to meet the needs of an increasingly demanding market.

Our Product Range

Our range of pumps includes:

- **Peristaltic pumps** – ideal for dosing and transferring viscous fluids with solid particles
- **Double diaphragm pneumatic pumps** – suitable for aggressive industrial fluids
- **Diaphragm dosing pumps** – designed for applications requiring precise dosing
- **Mag-drive and mechanically sealed centrifugal pumps** – for pulse-free transfer of low-viscosity fluids
- **Drum and IBC transfer pumps** – designed for direct liquid transfer from drums or IBC tanks

Core Values

At the heart of our corporate philosophy lies the customer and a strong commitment to compliance and ethical standards. Every member of our internal and external teams is dedicated to providing solutions that are competent, reliable, and timely.

Conclusion

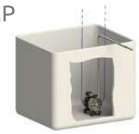
For over 30 years, ACME Clever Pumps has stood for quality, innovation, and reliability in the industrial pump industry. Backed by decades of experience and a drive for continuous innovation, we areready to support every customer—facing today's challenges and shaping tomorrow's solutions together.

acme
clever pumps

AIR-OPERATED
DOUBLE-DIAPHRAGM PUMPS

Flow-rate from 4 lt/min to 1.050 lt/min.
Special versions available

IDENTIFICATION CODES TABLE

AMP	0120	P-	HT	T
MODEL	**SIZE**	**CASING**	**DIAPHRAGMS**	**BALLS**
AMP AMP  **AMPF** AMP FOOD  **AMAP** ACCURATE AMP  **AMTP** TWIN AMP  **AMPP** POWDER AMP  **AMPS** SUBMERSIBLE AMP  **AMDP** DRUM AMP  **AMFP** FLAP AMP 	**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** 250 lt/min 1"1/4 BSPP **400** 380 lt/min 1"1/2BSPP DN40 **700** 700 lt/min 2"BSPP DN50 **1000** 1050 lt/min 3"BSPP DN80	 **P** POLYPROPYLENE Wide chemical compatibility. General usage. Reinforced with fiberglass.  **PC** CONDUCTIVE POLYPROPYLENE Wide chemical compatibility. General usage. ATEX-compliant.  **KC** CONDUCTIVE PVDF Strong chemical resistance to acids and high temperatures. ATEX-compliant.  **O** ACETAL Resistant to a wide range of solvents and hydrocarbons. Good abrasion resistance. (available only in sizes 4, 8 and 10).  **OC** CONDUCTIVE ACETAL Resistant to a wide range of solvents and hydrocarbons. Good abrasion resistance. (available only in sizes 4, 8 and 10). ATEX-compliant.  **A** ALUMINUM Resistant to a wide range of solvents and hydrocarbons. Good abrasion resistance.  **S** SS - AISI 316 ELECTROPOLISHED Excellent resistance to corrosion and abrasion. Food version available.	 **H** HYTREL Good resistance to low temperatures and abrasion.  **W** SANTOPRENE HIGH RESISTANCE Solutions and diluted acids.  **NBR** NBR Suitable for petroleum-based fluids, water, oils, hydrocarbons and mild chemicals.  **D** EPDM Suitable for alkaline solutions, diluted acids, ketones and alcohols. Good abrasion resistance.  **HT** HYTREL + PTFE Wide chemical compatibility, extreme corrosion resistance, anti-adhesive properties, and high heat resistance.  **MT** SANTOPRENE + PTFE Suitable for alkaline solutions, diluted acids, ketones and alcohols. Good abrasion resistance.	**N** NBR Suitable for petroleum-based fluids, water, oils, hydrocarbons and mild chemicals.  **D** EPDM Suitable for alkaline solutions, diluted acids, ketones and alcohols. Good abrasion resistance.  **T** PTFE Wide chemical compatibility, extreme corrosion resistance, anti-adhesive properties, and high heat resistance.  **S** SS Excellent resistance to corrosion and abrasion. Suitable for viscous fluids. 

P	V	1	-	AB
BALL SEATS	**GASKETS**	**CONNECTIONS**	**ATEX ZONE CERTIFICATION**	**PORTS**

P
POLYPROPYLENE
Wide chemical compatibility.
General usage.

K
PVDF
Strong chemical resistance to acids and high temperatures.

S
SS
Excellent resistance to corrosion and abrasion.

Z
PE
Suitable for fluids with high molecular weight. High abrasion resistance. (available only with D and N balls).

O
ACETAL
Resistant to a wide range of solvents and hydrocarbons. Good abrasion resistance.

V
VITON
High heat resistance. Good resistance to aggressive chemicals and hydrocarbons.

N
NBR
Suitable for petroleum-based fluids, water, oils, hydrocarbons and mild chemicals.

D
EPDM
Suitable for alkaline solutions, diluted acids, ketones and alcohols. Good abrasion resistance.

T
PTFE
Wide chemical compatibility, extreme corrosion resistance, anti-adhesive properties, and high heat resistance.

1
BSP THREATED

A
BSP THREADED WITH REINFORCED RING

2
FLANGED

3
TRI-CLAMP (AMP FOOD)

5
NPT THREADED

E
NPT THREADED WITH REINFORCED RING

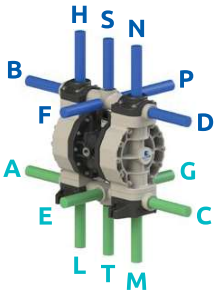
6
DIN 11851/3 (AMP FOOD)

-
ATEX ZONE 2
From P4 to P120 models
Ⓔx II 3/3 G Ex h IIC T4 Gc
Ⓔx II 3 D Ex h IIIB T135°C Dc X

From P170 to P1000 models
Ⓔx II 3/3 G Ex h IIB T4 Gc
Ⓔx II 3 D Ex h IIIB T135°C Dc X

X
ATEX ZONE 1
From P4 to P120 models
Ⓔx III 2/2 G Ex h IIC T4 Gb
Ⓔx II 2 D Ex h IIIB T135°C Db X

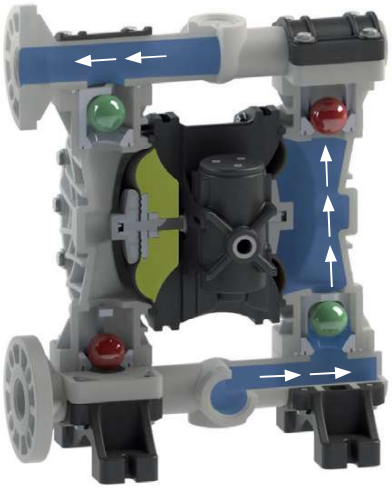
From P170 to P1000 models
Ⓔx II 2/2 G Ex h IIB T4 Gb
Ⓔx II 2 D Ex h IIIB T135°C Db X



SPECIAL FEATURES

AMSP STAINSTEEL AMP central block made of stainless steel
AMSCP STROKE COUNTER AMP with external pneumatic signal
AMPCR AMP with shorter strokes
AMPCL AMP with longer strokes

PUMP OPERATION



Fluid Air

1 - SUCTION CYCLE

Compressed air fills the right inner chamber. The movement of the opposing diaphragm lifts the lower valve ball, creating suction and drawing fluid through the inlet. At the same time, the left chamber is in the “Discharge” cycle.

2 - DISCHARGE CYCLE

Compressed air fills the left inner chamber. The opposing chamber, by lifting the upper valve, discharges fluid. At the same time, the right chamber is in the “suction” cycle.

INSTALLATION

Pump installed below head (positive suction)

Used when the tank must be completely emptied

Self-priming pump installed above head (negative suction)

Easily handles initial dry suction

Pump installed above drum or tank

Special-feature pump

Submerged pump

Chemical compatibility must be verified

Pump installed on hopper for high viscosity fluids

The hopper’s height helps the pump in moving the fluid. Air pressure has to be high, and a suction tube needs to be bigger than the pump’s size

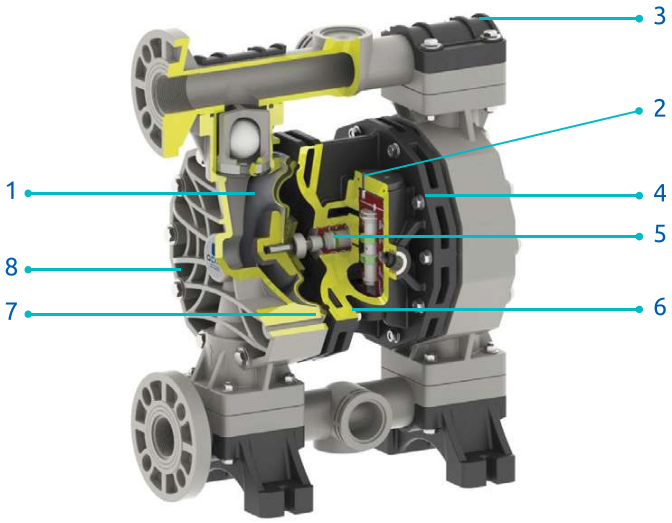
Suspended

Special version for ceiling fixing that comes with additional feet in the upper part

Pump installed on a mobile unit

The trolley or cart facilitates easy handling of the pump

TECHNICAL DATA SHEET



1. Long-lasting diaphragms that ensure a consistent performance and longer operating life.
2. Efficient design of the pneumatic exchanger ensures low air consumption. An unbalanced pilot spool precisely controls the positioning of the main power spool, eliminating stalling and increasing efficiency.
3. All-bolted design ensures effective sealing and maximum safety.
4. Solid polypropylene air chambers and plastic air valve ensure maximum chemical resistance in highly corrosive environments.
5. Acetal pneumatic exchanger and bushings provide long-lasting resistance thanks to self-lubrication.
6. The pneumatic exchanger is easily accessible from the outside for quick inspection. The air system is lube-free, antistall and antifreeze.
7. Special diaphragm clamping, designed to minimize wear and increase service life, while providing a secure, hermetic and leak-proof seal.
8. Exhaust chamber with double silencer designed to enhance diffusion passages, reduce freezing, and ensure low noise levels.

- Wide range of flow rates and materials suitable for various conditions and fluids
- Safe “dead head” operation: with a closed discharge the pump will not be damaged
- Suitable for handling of liquids containing solids particles
- Fully submersible: can be entirely immersed, depending on fluid compatibility
- Serviceability: easily and quickly maintained with no special tools required
- High performance thanks to an optimal and functional design
- Self-priming: capable of dry suction up to 6 meters
- Seal-less design: dry-run without damaging the pumping system

QUALITY 100% of the pumps are tested with water after final assembly

SAFETY Atex certification on all versions: conductive plastic pumps available

FLEXIBILITY Multiple porting options and connection types available

PUMP SELECTION

To select the appropriate pump model based on the intended application, the following factors should be considered in order to optimize performance, extend service life, and minimize maintenance costs:

- The nature of the fluid to be pumped, its viscosity, and the solids particles it may contain;
- The pump capacity in relation to the required flow rate;
- Suction and discharge (head) conditions;

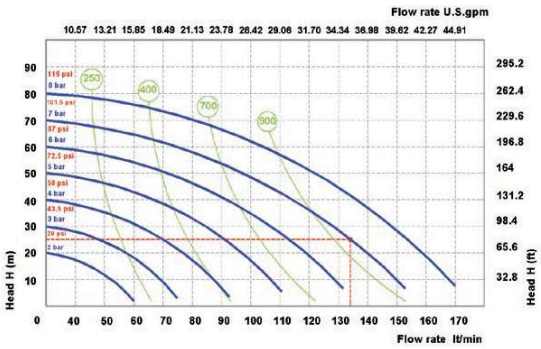
Taking these parameters into account, the correct pump is selected when the intersection of the “head” and “flow rate” axes on the performance curve is near the center section of the graph.

PERFORMANCE CURVES

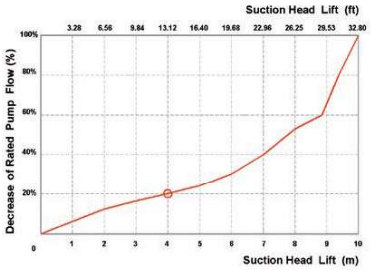
To determine the compressed air requirements and the proper size for a ACME AODD pump, two pieces of information are necessary:

1 Required flow rate 2 Total delivery head

For example, consider the P170 pump performance curve, which has a pumping capacity of approximately 135 l/min at 25m. Point A on the performance curve is the intersection between the required flow rate and the total delivery head, and it determines the compressed air requirements for this pump. At point A, the pump will require approximately 7 bar of air inlet pressure for proper operation. To verify this, follow the blue curve on the left to read the air pressure in BAR. Then, by following the nearest green curve, it can be seen that the pump will require approximately 900 nl/min (Normal Liter per minute) of air consumption.

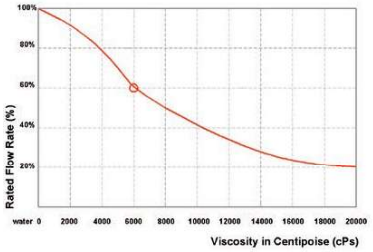


SPECIFIED SUCTION LIFT



With a suction lift of 4 m, the pump’s flow rate decreases by approximately 20%. This applies to pumps of 3/4” and larger; data varies depending on the pump configuration.

VISCOUS LIQUIDS PERFORMANCE DATA



When pumping a fluid with a viscosity of 6000 cps, the pump’s flow rate decreases by 60% of its rated value (100% = water). This applies to pumps of 3/4” and larger.

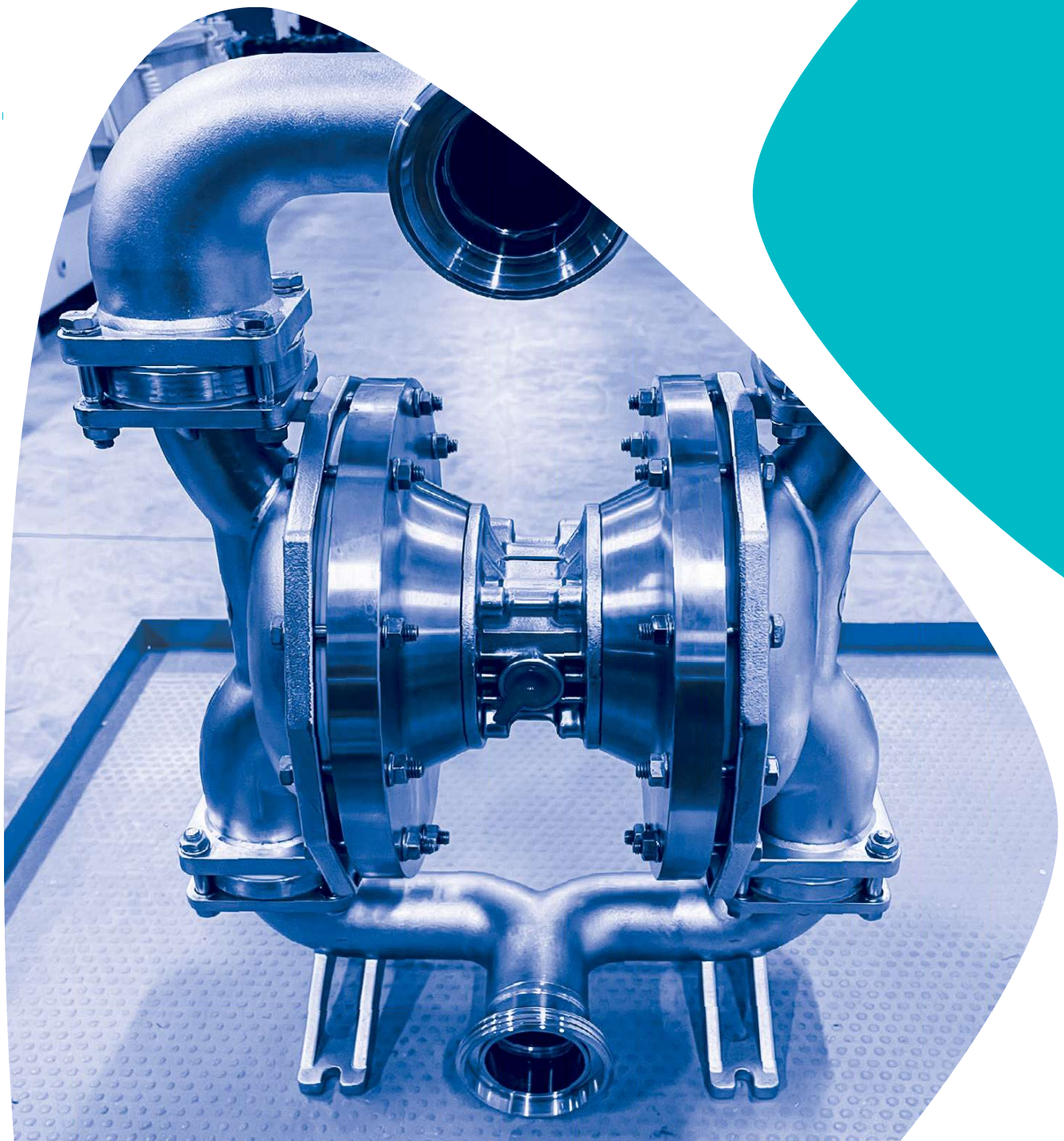
Pump Type	AODD	Centrifugal	Lobe	Gear	Screw	Peristaltic	Piston
							
Variable Flow & Head Control	◆	◆	◆	◆	◆	◆	◆
Deadhead Safety	◆	◆	◆	◆	◆	◆	◆
Dry-Running	◆	◇	◇	◇	◇	◆	◇
Dry Self-Priming	◆	◇	◇	◆	◇	◆	◆
No Mechanical Alignment	◆	◇	◇	◇	◇	◇	◇
No Electrical Installation	◆	◇	◇	◇	◇	◇	◇
Portability	◆	◆	◆	◆	◆	◆	◆
Submersible	◆	◆	◇	◇	◇	◇	◆
Sealless	◆	◆	◆	◆	◆	◆	◆
Cavitation Tolerance	◆	◇	◆	◆	◆	◆	◆
Low Shear & Degradation	◆	◇	◆	◆	◆	◆	◆

◆ = Suitable ◆ = With limitations ◇ = Not recommended

acme
clever pumps

AMP FOOD
PNEUMATIC PUMPS

Double diaphragm AODD pumps
Flow rate from 20 l/min to 1,050 l/min.



AMP FOOD SERIES

AMP FOOD 20

AMPF 20

SS 316L

FDA COMPLIANT

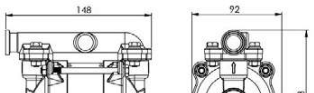
TECHNICAL DATA

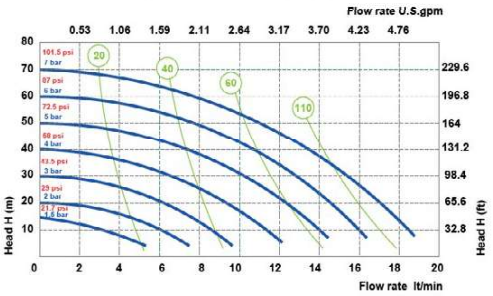
Fluid connections **3/4" TRI-CLAMP**
DN 3/4" BS 4825
Air connection **6 mm**
Max flow rate **20 lt/min**
Max air pressure **7 bar**
Max delivery head **70 mt**
Max suction lift dry **5 mt**
Max suction lift wet **9,8 mt**
Max solid passing **2,5 mm**
Noise level **65 dB**
Max viscosity **10.000 cps**
Displacement per stroke **30 CC ~**

Ⓔx II 3/3 G Ex h IIC T4 Gc
Ⓔx 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





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.

Weight Kg	Temperature
2,3 kg	- 20 °C + 95 °C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
AMPF0020	**S** = SS 316L	**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

AMP FOOD 35

AMPF 35

SS 316L

FDA COMPLIANT

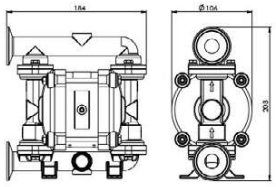
TECHNICAL DATA

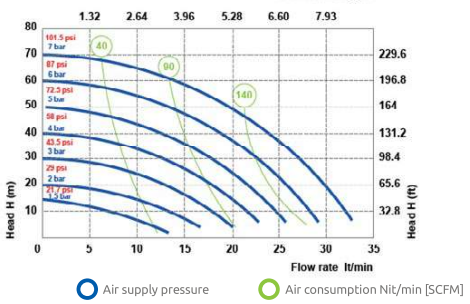
Fluid connections **1" TRI-CLAMP**
DN 1" BS 4825
Air connection **6 mm**
Max flow rate **35 lt/min**
Max air pressure **7 bar**
Max delivery head **70 mt**
Max suction lift dry **5 mt**
Max suction lift wet **9,8 mt**
Max solid passing **3 mm**
Noise level **65 dB**
Max viscosity **15.000 cps**
Displacement per stroke **65 CC ~**

Ⓔx II 3/3 G Ex h IIC T4 Gc
Ⓔx 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





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.

Weight Kg	Temperature
3,8 kg	- 20 °C + 95 °C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
AMPF0035	**S** = SS 316L	**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

AMP FOOD SERIES

AMP FOOD 60

AMPF 60

SS 316L

FDA COMPLIANT

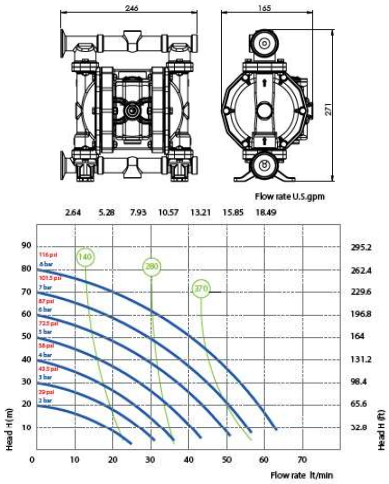
TECHNICAL DATA

Fluid connections **1" TRI-CLAMP**
DN 1" BS 4825
Air connection **1/4" BSP**
Max flow rate **65 lt/min**
Max air pressure **8 bar**
Max delivery head **80 mt**
Max suction lift dry **5 mt**
Max suction lift wet **9,8 mt**
Max solid passing **3,5 mm**
Noise level **72 dB**
Max viscosity **20.000 cps**
Displacement per stroke **140 CC ~**

Ex II 3/3 G Ex h IIC T4 Gc
Ex 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



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.

Weight Kg	Temperature
7,3 kg	- 20 °C + 95 °C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
AMPF0060	**S** = SS 316L	**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

AMP FOOD 120

AMPF 120

SS 316L

FDA COMPLIANT

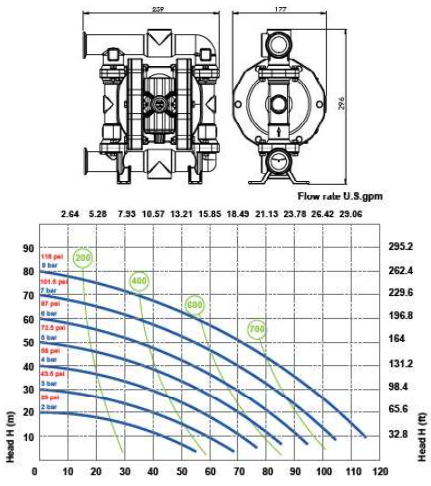
TECHNICAL DATA

Fluid connections **1" TRI-CLAMP**
DN 25 ISO 2852
Air connection **1/4" BSP**
Max flow rate **120 lt/min**
Max air pressure **8 bar**
Max delivery head **80 mt**
Max suction lift dry **5 mt**
Max suction lift wet **9,8 mt**
Max solid passing **4 mm**
Noise level **72 dB**
Max viscosity **25.000 cps**
Displacement per stroke **200 CC ~**

Ex II 3/3 G Ex h IIC T4 Gc
Ex 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



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.

Weight Kg	Temperature
9,6 kg	- 20 °C + 95 °C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
AMPF0120	**S** = SS 316L	**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

AMP FOOD SERIES

AMP FOOD 170

AMPF 170

SS 316L

FDA COMPLIANT

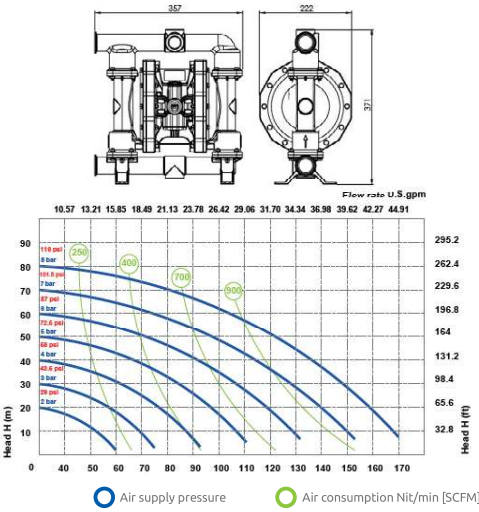
TECHNICAL DATA

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 mt**
Max suction lift dry **5 mt**
Max suction lift wet **9,8 mt**
Max solid passing **7,5 mm**
Noise level **75 dB**
Max viscosity **35.000 cps**
Displacement per stroke **700 CC ~**

Ⓔx II 3/3 G Ex h IIB T4 Gc
Ⓔx 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



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.

Weight Kg	Temperature
17,2 kg	- 20 °C + 95 °C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
AMPF0170	**S** = SS 316L	**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

AMP FOOD 400

AMPF 400

SS 316L

FDA COMPLIANT

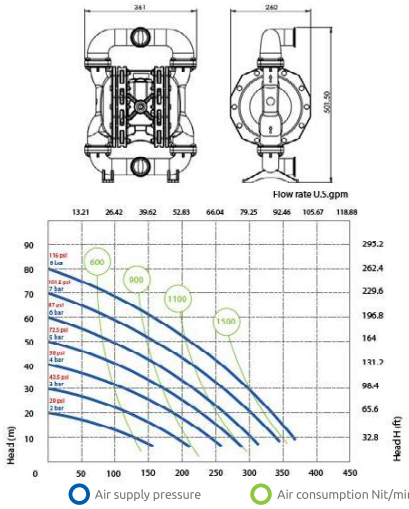
TECHNICAL DATA

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 mt**
Max suction lift dry **5 mt**
Max suction lift wet **9,8 mt**
Max solid passing **8 mm**
Noise level **78 dB**
Max viscosity **40.000 cps**
Displacement per stroke **1200 CC ~**

Ⓔx II 3/3 G Ex h IIB T4 Gc
Ⓔx 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



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.

Weight Kg	Temperature
25,3 kg	- 20 °C + 95 °C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
AMPF0400	**S** = SS 316L	**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

AMP FOOD SERIES

AMP FOOD 700

AMPF 700

SS 316L

FDA COMPLIANT

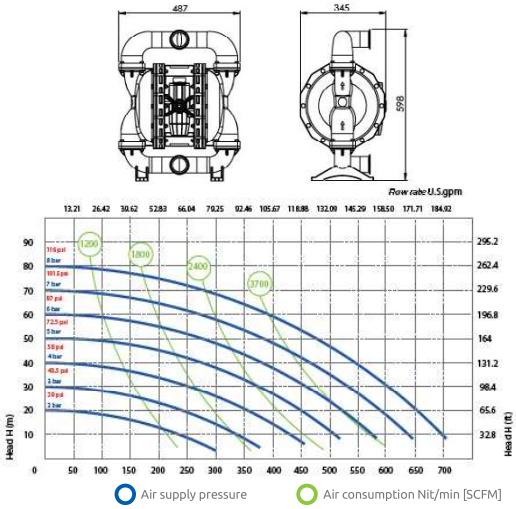
TECHNICAL DATA

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 mt**
Max suction lift dry **5 mt**
Max suction lift wet **9,8 mt**
Max solid passing **8,5 mm**
Noise level **78 dB**
Max viscosity **50.000 cps**
Displacement per stroke **3050 CC ~**

Ⓔx II 3/3 G Ex h IIB T4 Gc
Ⓔx 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



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.

Weight Kg	Temperature
51 kg	- 20 °C + 95 °C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
AMPF0700	**S** = SS 316L	**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

AMP FOOD 1000

AMPF 1000

SS 316L

FDA COMPLIANT

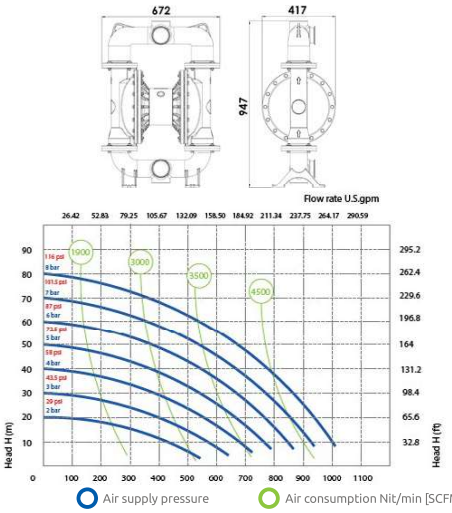
TECHNICAL DATA

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 mt**
Max suction lift dry **5 mt**
Max suction lift wet **9,8 mt**
Max solid passing **12 mm**
Noise level **82 dB**
Max viscosity **55.000 cps**
Displacement per stroke **9750 CC ~**

Ⓔx II 3/3 G Ex h IIB T4 Gc
Ⓔx 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



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.

Weight Kg	Temperature
122 kg	- 20 °C + 95 °C

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
AMPF1000	**S** = SS 316L	**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