

ATEX Zone 1 (II 2G Ex h IIB T4 Gb X | II 2D Ex h IIIB T135°C Db X) (upon request)

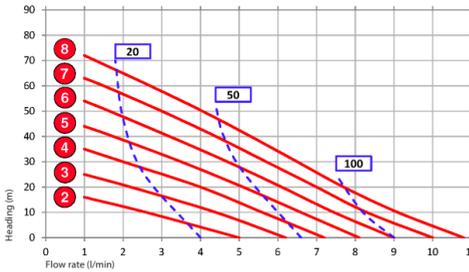
bar Maximum pressure: 8 bar

FDA for **ASTRAevoFOOD** series with AISI 316l electropolished or PE1000 materials

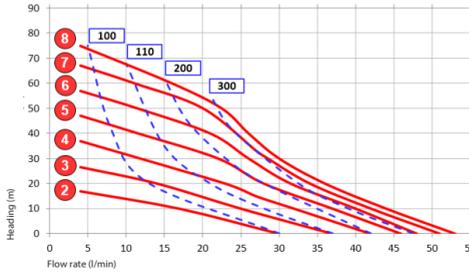
Range	Connections (inches)	Materials	Max Capacity		Solids (mm)	Conformity
			Duty point			
 ASTRAevo (DDE) 007	1/4" compact	PP+glass • PVDF+carbon • POMc+G	up to 10 l/min	5 l/min	1.5	
 ASTRAevo (DDE) 015 020	3/8"	PP+glass • PVDF+carbon	up to 25	15 l/min	3.5	
 ASTRAevo (DDE) 030	1/2" compact	PP+glass • PVDF+carbon • ALU • AISI 316L • AISI 316L electropolished • PE1000	up to 50 l/min	30 l/min	3.8	 
 ASTRASolid (DDS) 030						
 ASTRAevo (DDE) 060	1/2"	PP+glass • PVDF+carbon • ALU • AISI 316L • AISI 316L electropolished	up to 75 l/min	45 l/min	3.8	 
 ASTRAevo (DDE) 080 100	3/4" - 1" compact	PP+glass • PVDF+carbon • ALU • AISI 316L • AISI 316L electropolished • PE1000	up to 130 l/min	75 l/min	5.5	 
 ASTRASolid (DDS) 080 100						
 ASTRAevo (DDE) 160	1"	PP+glass • PVDF+carbon • ALU • AISI 316L • AISI 316L electropolished	up to 170 l/min	105 l/min	6	 
 ASTRAevo (DDE) 400	1 1/2"	PP+glass • PVDF+carbon • ALU • AISI 316L • AISI 316L electropolished • PE1000	up to 370 l/min	200 l/min	7	 
 ASTRASolid (DDS) 400						
 ASTRAevo (DDE) 650	2"	PP+glass • PVDF+carbon • ALU • AISI 316L • AISI 316L electropolished • PE1000	up to 715 l/min	400 l/min	9	
ASTRASolid (DDS) 650						
MISTRAL (DDM) 300	3"	AISI 316L • PE1000	up to 1100 l/min	600 l/min	11	 
MISTRAL (DDM) 400	4"	AISI 316L	up to 1280 l/min	700 l/min	13	 

all curves are tested in real conditions: 50cm above the liquid level and modified PTFE diaphragms and with water at 20°C.

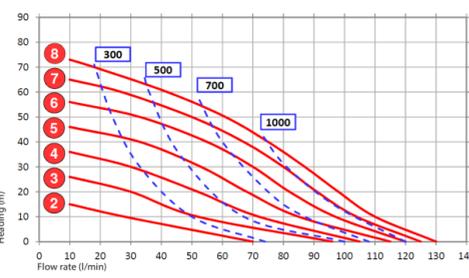
ASTRAevo (1/4" compact)



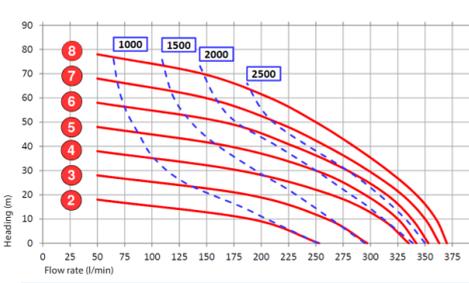
ASTRAevo - ASTRASolid (1/2" compact)



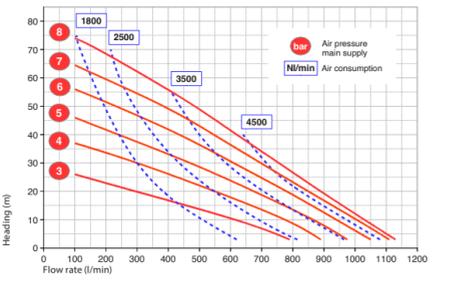
ASTRAevo - ASTRASolid (3/4" - 1" compact)



ASTRAevo - ASTRASolid (1 1/2")



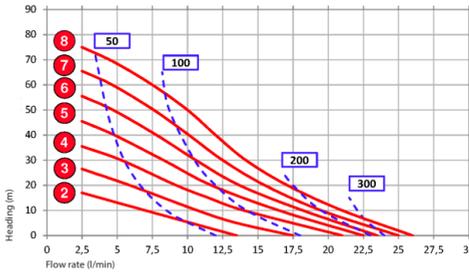
MISTRAL - MISTRALSolid (3")



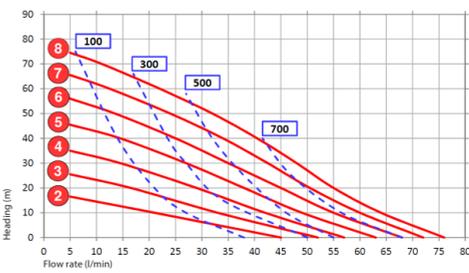
l/min Air consumption

bar Air pressure

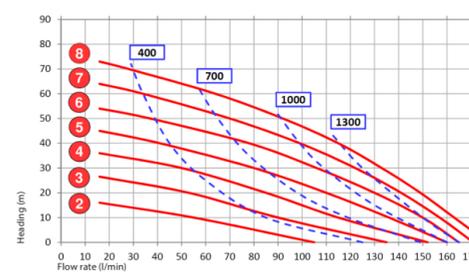
ASTRAevo (1/4"-3/8")



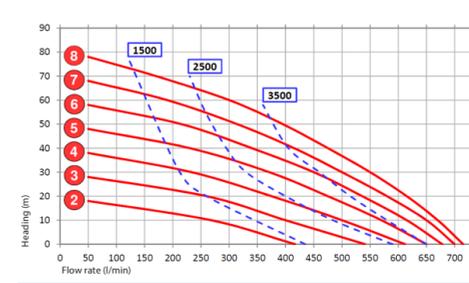
ASTRAevo (1/2")



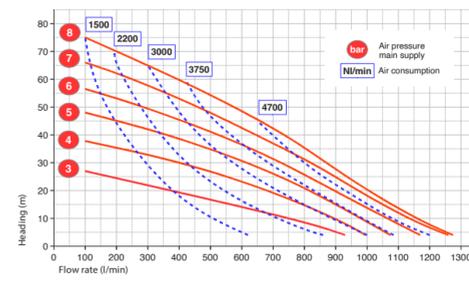
ASTRAevo (1")



ASTRAevo - ASTRASolid (2")

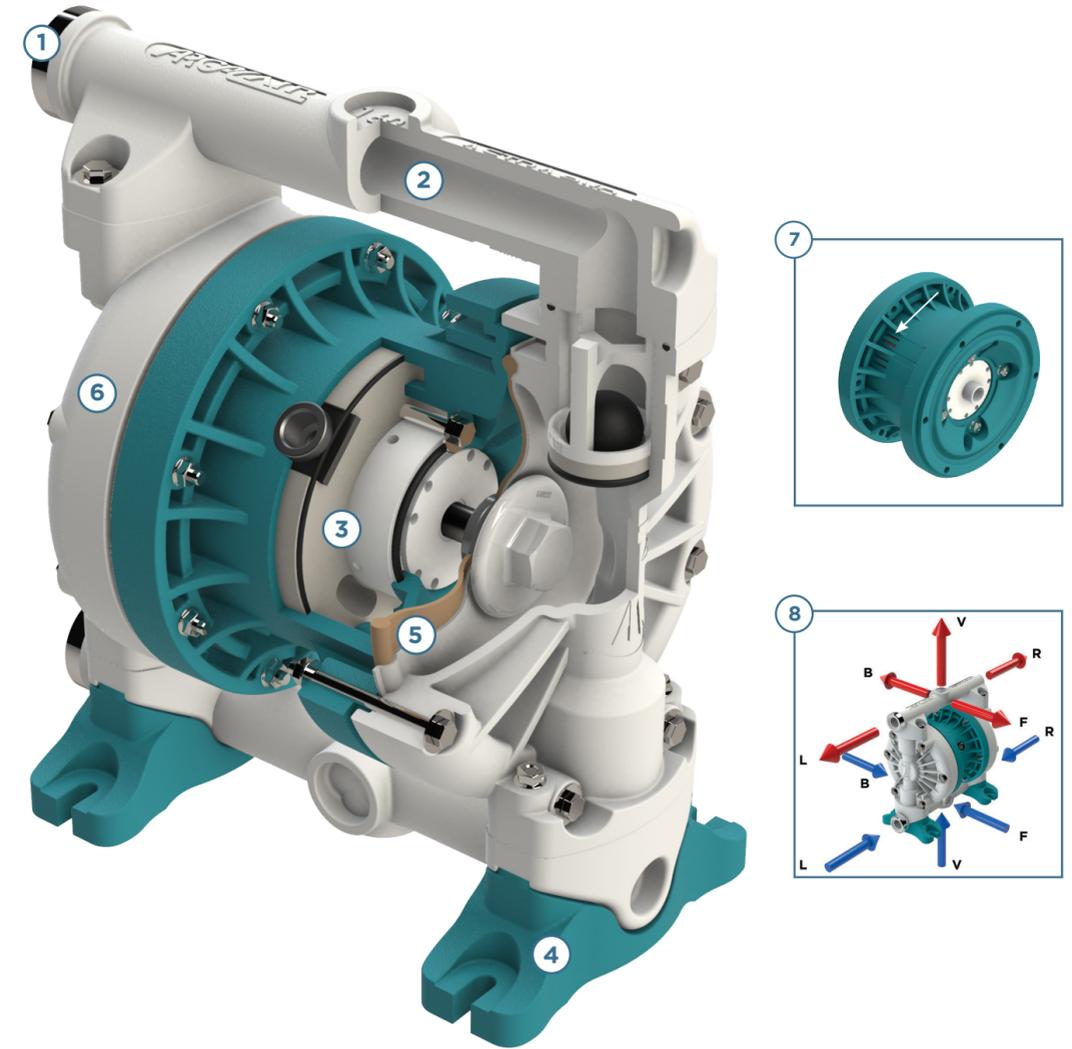


MISTRAL DDM 400 (4")



WHY CHOOSING ARGALAIR

Simple and efficient: **ARGALAIR** pumps were conceived to ensure reliability and high performance with low air consumption.



1 REINFORCED METAL RING

Rings are included on the manifolds as standard on plastic models, supporting at best the structure. Damaged or cracked manifolds will just be a distant memory.

2 OPTIMIZED INTERNAL DESIGN

Internal design made for optimisation of the transfer with difficult liquids: viscous, shear-sensitive, link inks.

3 AIR DISTRIBUTION SYSTEM

It is simple, fast and efficient: made of 5 plastic components only, it optimises the speed exchange and reduces the air consumption and maintainant operations.

4 INDEPENDENT FEET

Screwed to the manifold, not integrated: not only it ensures a solid base, but in case of breaking, you will only have to change the broken foot. **upon request*

5 HIGH-QUALITY DIAPHRAGMS

Thermoplastic, elastomers or fluoropolymers? Our diaphragms are made in Italy, within 100 km from our factory, with the state-of-art quality

6 REINFORCED THERMOPLASTIC MATERIALS

Polypropylene reinforced with glass or charged with carbon fiber or PVDF reinforced with carbon for a stronger mechanical strength and guaranteed conductivity* (ATEX Zona 1).

7 INTEGRATED SILENCER

Forget about noisy and uncomfy external silencer! Our solutions have the silencer intergrated up to 1".

8 CUSTOMISABLE CONNECTIONS

Different connections are available, the standard one is L-L (left side) to optimize air consumption and flow rate

ARGAL AIR AIR-OPERATED DOUBLE DIAPHRAGM PUMPS

ARGAL branch dedicated to air-operated pump offers a large range of solutions to answer the different requests from the market, from sensitive or pure processes to the heaviest; covering sizes from 1/4" to 4", you can choose the material and type of construction wanted!

ASTRA evo



ASTRA SOLID



MISTRAL



No friction neither wear with the selected materials

Only 5 components



Air consumption reduced to minimum



Air distribution through multi points

Pump casing	1	• PP+G • PP+C • PVDF+C • ALU • AISI 316L • POM-c • electropolished AISI 316L • PE1000
Diaphragm	2	• TPE (Keyflex®) • TPV (Santoprene®) • FKM (Viton®) • modified PTFE • NBR • EPDM
Balls	3	• PTFE • AISI 316 • EPDM • NBR • FKM (Viton®)
Seat balls	4	• PP • PVDF • AISI 316 • PE1000 • ALU • AISI 316
O-rings	5	• PTFE • EPDM • FKM (Viton®) • NBR • FFKM

FIND OUT MORE ON SPECIAL AODD PUMPS for ultra-pure applications

MATERIALS	WORKING TEMP. min. max.
PP+G • PP+C	-5°C - +60°C
PVDF+C	-10°C - +90°C
PE1000	-20°C - +60°C
Alu	-20°C - +100°C
AISI 316L	-20°C - +100°C
AISI316I elettrolucidato	-20°C - +100°C

QUANTUM



QUANTUM-S



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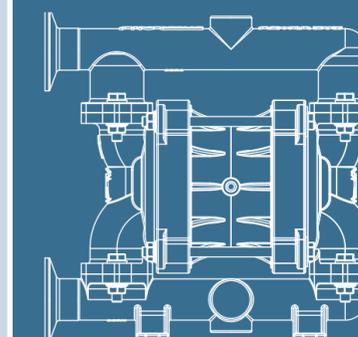
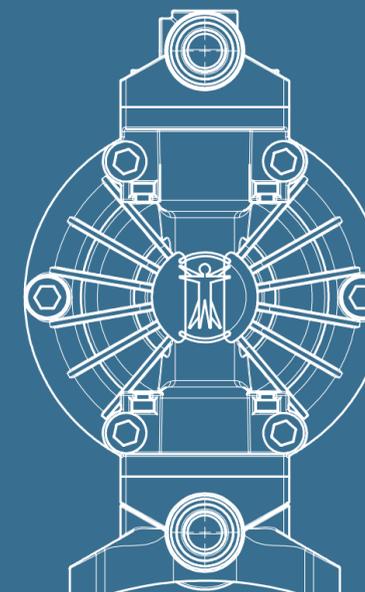


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ARGAL AIR

an ARGAL branch



AIR-OPERATED DOUBLE DIAPHRAGM PUMPS



2023

EU product Made in Italy