

MISTRAL AODD PUMPS

WITH AISI 316L CENTER BLOCK

AODD MISTRAL



Zone 1

MISTRAL range represents the safest and most efficient solution for heavy dangerous and even explosive applications but also for process applications. The entire construction of the body pumps and of the distributor is realised in AISI 316L (low carbon content) making the pumps extremely resistant to corrosion, robust and perfect **for continuous 24/24 operation.**



MAIN

APPLICATIONS

- Off-Shore platforms
- Marine
- Chemical process
- Cleaning/Cement mixer sewage
- Mining

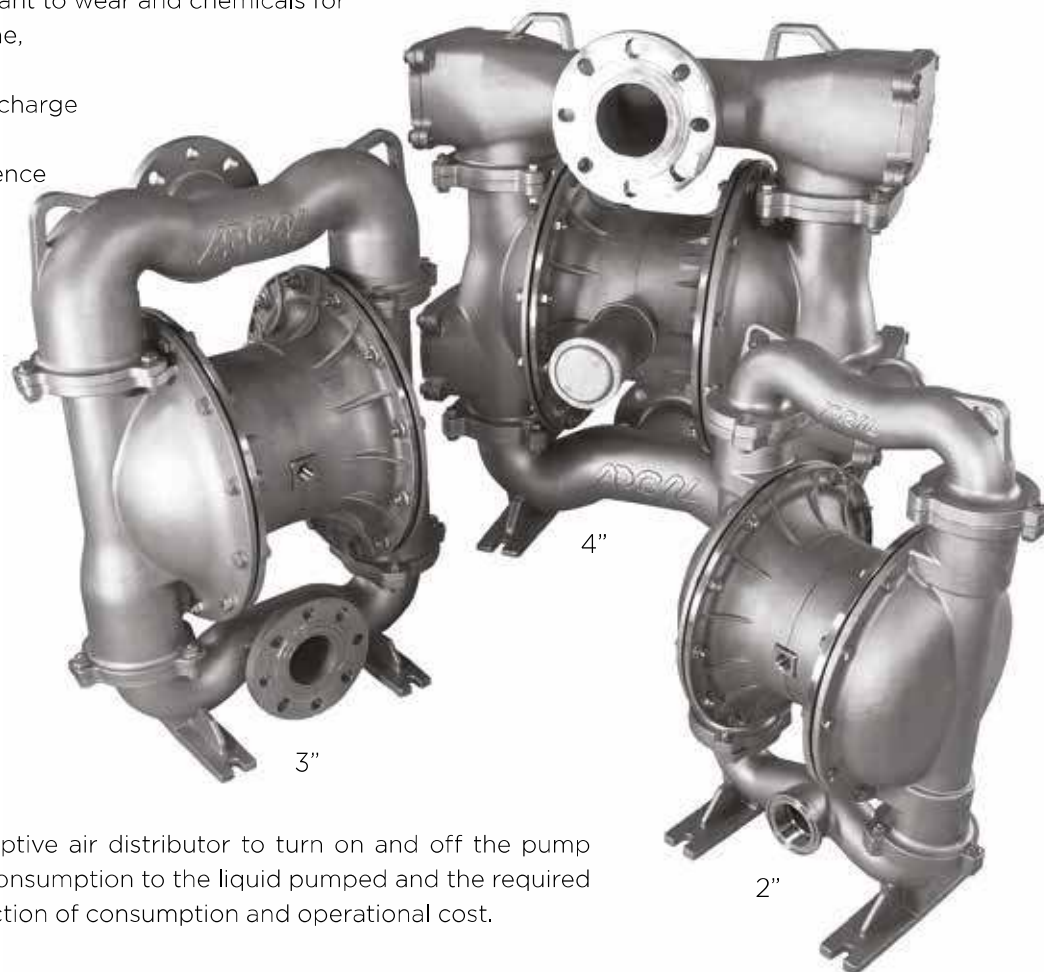


MISTRAL

200 (2") - 300 (3") - 400 (4")

The significant advantages of the distribution system designed for the **MISTRAL**:

- **simple and maintenance free 5-component construction,**
- material of construction resistant to wear and chemicals for long lasting trouble free lifetime,
- affordable cost,
- High-shift speed and high-discharge speed of the exhaust air,
- low consumption as consequence of the fine tuned air quantity supplied to the diaphragms.



"PROGRESS" VALVE

Argal designed a special adaptive air distributor to turn on and off the pump and to fine tune the air flow consumption to the liquid pumped and the required performance with a real reduction of consumption and operational cost.



(PTFE diaphragms)



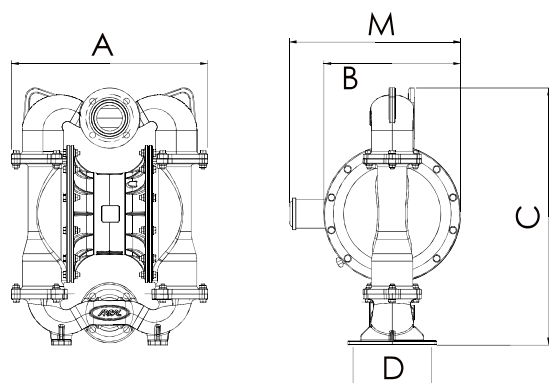
(NBR, EPDM, SANTOPRENE diaphragms)



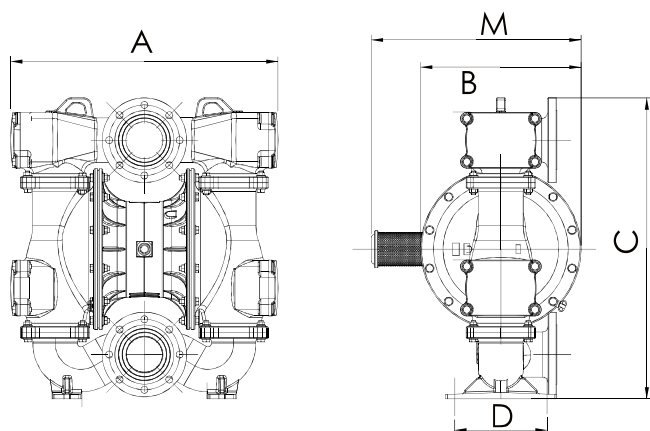
The materials used, the switching speed and the distribution spool shift speed all highly **resist to the formation of ice** that detaches itself from the surface to get then ejected from the discharge tube. Possible remaining will never affect the pump operation.



TECHNICAL DATA	200 (2")	300 (3")	400 (4")
Maximum Capacity Litres/Minute	680	1100	1280
Materials of Pump Housings & Center Block	AISI 316L	AISI 316L	AISI 316L
Fluid Port (ISO-ANSI Flange) Intake & Discharge Connections	2" DN50	3" DN80	4" DN100
Air Inlet	½" female NPT	¾" female NPT	¾" female NPT
Air Exhaust (included silencer)	¾" female NPT	1" female NPT	1" female NPT
Maximum Working Pressure	7 bar	7 bar	7 bar
Maximum Cycles per Minutes	140	96	96
Max. Discharge Volume/Cycles	3,7 litres	8,5 litres	8,5 litres
Maximum Solids Particle Size	9 mm	11 mm	13 mm
Suction Lift (dry)	6 m	6 m	4,5 m



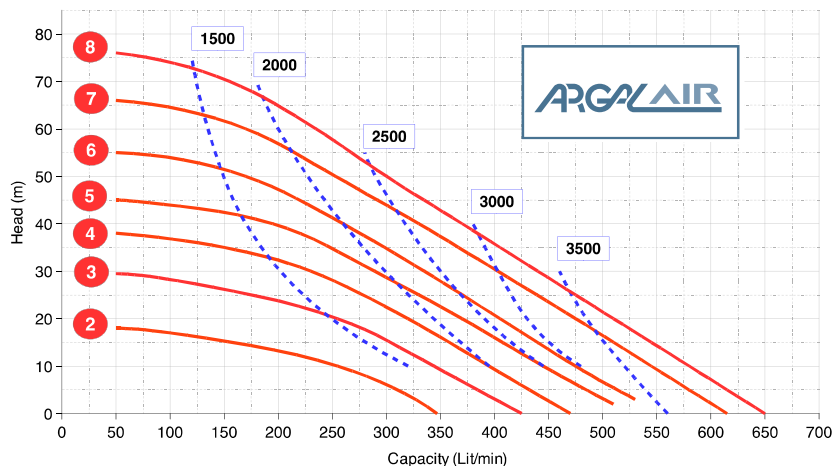
DIMENSIONS	200 (2")	300 (3")
A	440	624
B	340	435
C	707	815
D	220	250
M	460	570



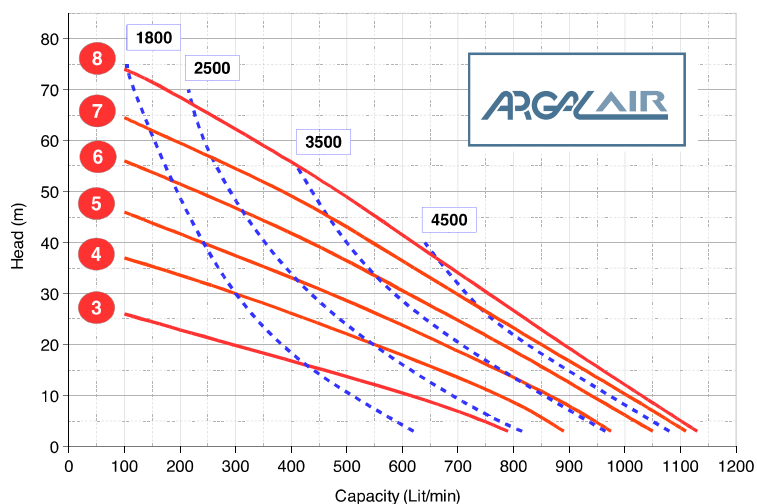
DIMENSIONS	400 (4")
A	725
B	435
C	815
D	235
M	570

MISTRAL

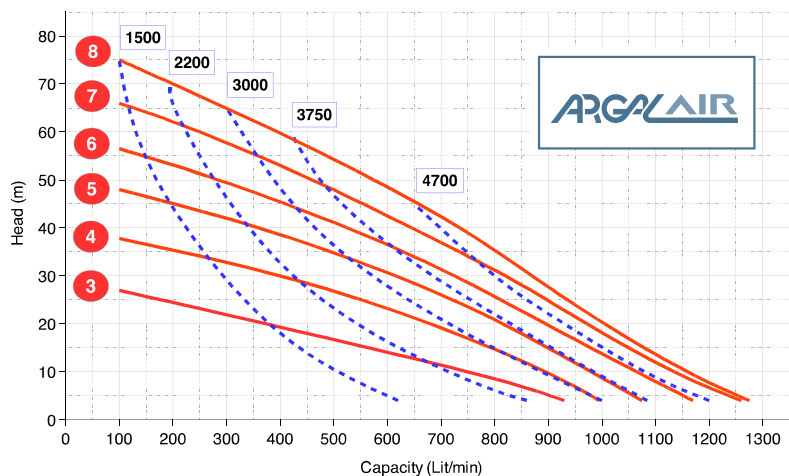
200 (2") - 300 (3") - 400 (4")



COMPOSITION MISTRAL 2"	
Wetted parts	• AISI 316L • DUPLEX • BRONZE
Diaphragms	• EPDM • NBR • HYTREL • SANTOPRENE • HYTREL + PTFE
Valve Balls	• EPDM • NBR • PTFE • AISI 316L
Valve Seats	• POLIURETANO • UPPE • PVDF • AISI 316L
Gaskets	• EPDM • NBR • FKM • FEP



COMPOSITION MISTRAL 3"	
Wetted parts	• AISI 316L • DUPLEX • BRONZE
Diaphragms	• EPDM • NBR • EPDM+PTFE • NBR+PTFE
Valve Balls	• EPDM • NBR • PTFE • AISI 316L
Valve Seats	• POLIURETANO • UPPE • PVDF • AISI 316L
Gaskets	• EPDM • NBR • FKM • FEP



COMPOSITION MISTRAL 4"	
Wetted parts	• AISI 316L • DUPLEX • BRONZE
Diaphragms	• EPDM • NBR • EPDM+PTFE • NBR+PTFE
Valve Balls	• EPDM • NBR • PTFE • AISI 316L
Valve Seats	• POLIURETANO • UPPE • PVDF • AISI 316L
Gaskets	• EPDM • NBR • FKM • FEP



Air Pressure main supply



Air consumption