

AISI 316 STAINLESS STEEL DIAPHRAGM PUMP



**ADVANCED FLUID
MANAGEMENT SOLUTIONS**



RAASM Diaphragm pumps in AISI 316 stainless steel are designed to handle particularly aggressive fluids (acid and basic) and represent the ideal solution to be used in severe or extremely harsh work environments. ATEX compliant models are available for use in potentially explosive environments. The self-priming capability, the easy adjustment of the flow rate and the durability in prolonged operation when empty are some of the key features that make them extremely versatile.



1" Flow rate 39.6 gpm

1" Flow rate 34.3 gpm

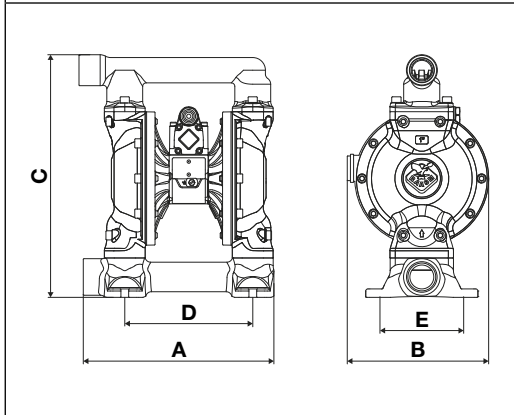
The ratio 1:1 diaphragm pumps made of AISI 316 stainless steel with aluminium or polypropylene motor ensure reliability and efficiency. The max flow rate shown in the below graph has been verified by laboratory tests.



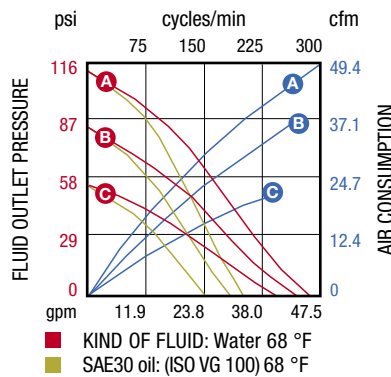
In accordance with directive II 2 GD

P/N	4CA/26415TTI-55	2AA/26775TTI-55
Membranes	PTFE+HytreI®	PTFE+HytreI®
Motor	Aluminium	Polypropylene
Balls	PTFE	PTFE
Seats	AISI 316 stainless steel	AISI 316 stainless steel
Max pressure	116 psi	116 psi
Gal per cycle	0.15	0.14
Max suction lift	dry column 16' - wet column 25'	dry column 16' - wet column 25'
Max size pumpable solids	0.12"	0.12"
Max working temperature *	212 °F	149 °F
Noise level	75 dB	78 dB
Max air consumption	49.4 cfm	38.8 cfm
Air working pressure	44 - 116 psi	44 - 116 psi
Air inlet connection	3/8" NPT (f)	3/8" NPT (f)
Air outlet connection (muffler)	1/2" BSP (f)	3/4" BSP (f)
Fluid inlet connection	1.1/4" NPT (f)	1.1/4" NPT (f)
Fluid outlet connection	1" NPT (f)	1" NPT (f)
Balls for inlet and outlet		
Mounting bolt size	M10	M10
Packing	No. 1 - 1.1 cf	No. 1 - 1.1 cf
Weight	56 lb	53 lb
Overall dimensions (A - B - C - D - E)	10.7" - 7.9" - 13.6" - 7.2" - 5.1"	10.7" - 7.9" - 13.6" - 7.2" - 5.1"

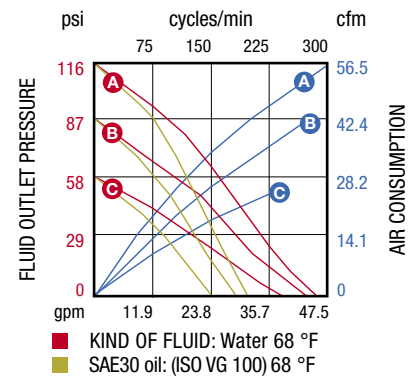
* The materials in contact with the fluid, and the fluid as well, can restrict the pump working temperature.



PUMP AIR FEEDING PRESSURE **A** 116 psi **B** 87 psi **C** 58 psi



PUMP AIR FEEDING PRESSURE **B** 87 psi **C** 58 psi



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