

STAINLESS STEEL AISI 316 DIAPHRAGM PUMP



**ADVANCED FLUID
MANAGEMENT SOLUTIONS**



RAASM diaphragm pumps in AISI 316 are designed to handle particularly aggressive fluids (acid and basic) and represent the ideal solution to be used in several working environments, even the most demanding.

Some models comply with ATEX directive, therefore they can be used in environments with potentially explosive atmosphere.

The self-priming capability, the ease adjustment of the flow rate and the resistance in case of prolonged operation when empty are some of the main features that make them extremely versatile.





1" Flow rate 150 l/min

1" Flow rate 130 l/min

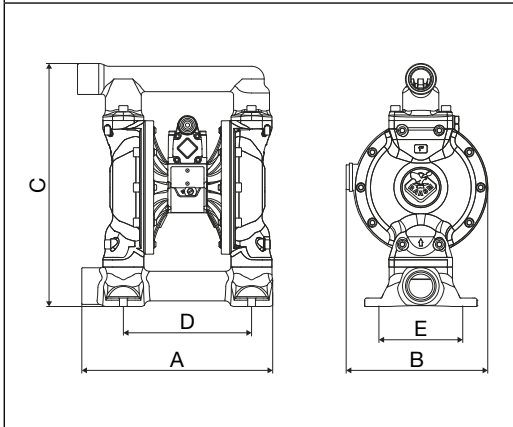
The R 1:1 diaphragm pumps made of AISI 316 Stainless steel with aluminium or polypropylene motor ensure reliability and efficiency. The max flow rate shown in the below graph has been verified by laboratory tests.



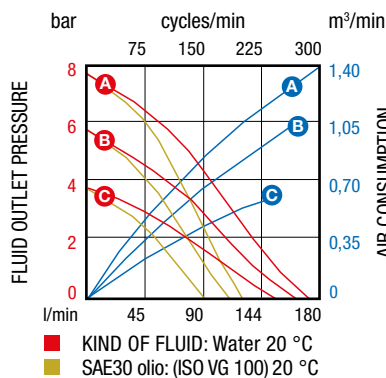
In accordance with directive II 2 GD

P/N		4C1/26415TTI	2A1/26775TTI
Membranes		PTFE+Hytrel [®] *	PTFE+Hytrel [®] *
Balls		PTFE	PTFE
Seats		AISI 316 Stainless steel	AISI 316 Stainless steel
Max pressure	bar	8	8
Litres per cycle *	l	0,590	0,540
Max suction lift	m	dry column 5 - wet column 7,5	dry column 5 - wet column 7,5
Max size pumpable solids	mm	3	3
Max working temperature **	°C	100	65
Noise level	dB	75	78
Max air consumption	m ³ /min	1,4	1,1
Air working pressure	bar	3 - 8	3 - 8
Air inlet connection		G 3/8" (f)	G 3/8" (f)
Air outlet connection (muffler)		G 1/2" (f)	G 3/4" (f)
Fluid inlet connection		G 1.1/4" (f)	G 1.1/4" (f)
Fluid outlet connection		G 1" (f)	G 1" (f)
Balls for inlet and outlet			
Screws for pump fixing		M10	M10
Packing	N° - m ³	N°1 - 0,03 m ³	N°1 - 0,03 m ³
Weight	kg	25	24
Overall dimensions (A - B - C - D - E)	mm	277 - 201 - 345 - 182 - 119	277 - 302 - 345 - 182 - 119

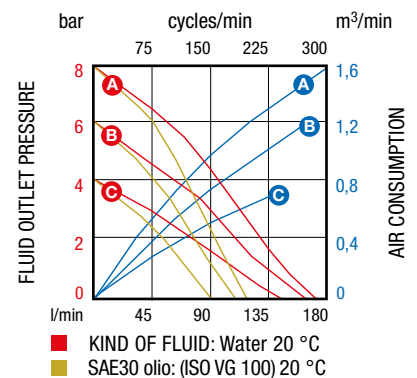
* With PTFE membrane flow rate is 10 % lower. ** The materials in contact with the fluid, and the fluid as well, can restrict the pump working temperature.



PUMP AIR FEEDING PRESSURE **A A** 8 bar **B B** 6 bar **C C** 4 bar



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