Brass rotary vane pumps, clamp mount



The rotary vane pumps, sold worldwide under the trademark Rotoflow, are volumetric pumps designed for pumping water and moderate aggressive liquids with low flow at high pressure.

Technical features and manufacturing characteristics

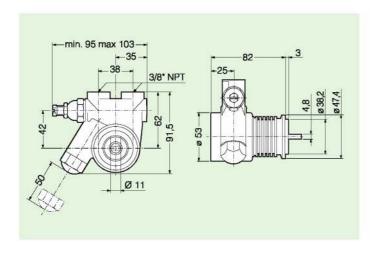
The rotary vane pump is brass made with a stainless steel AISI 303 rotor, while the pumping chamber and the vanes are in graphitic carbon. The inlet and outlet ports are 3/8" NPT threaded.

The pump is equipped with a built-in bypass; a special balanced by-pass (able to maintain the set pressure for variations of the inlet pressure) is available upon request.

A built-in mechanical filter with a 71 mesh screen is available on all models.

All models, upon request, are available:

- with special clearances (suffix H)
 for temperature higher than 70 °C
 (158 °F) max 90 °C (194 °F)
- with Viton/EPDM seals (suffix V/E) for special fluids
- NSF listed pumps for potable water
 In this case the prefix for each model is
 PA instead of PO.





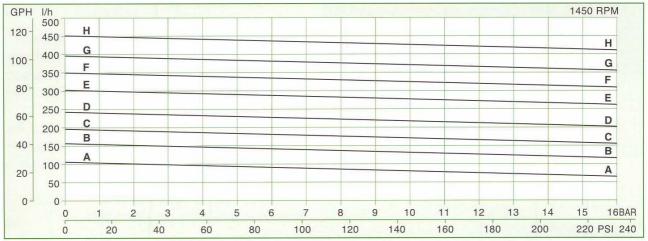
Main applications

- -Beverage vending machines
- -Post-mix drink dispensers
- -Espresso coffee machines
- -Cooling systems
- -Reverse osmosis
- -Ultra-filtration

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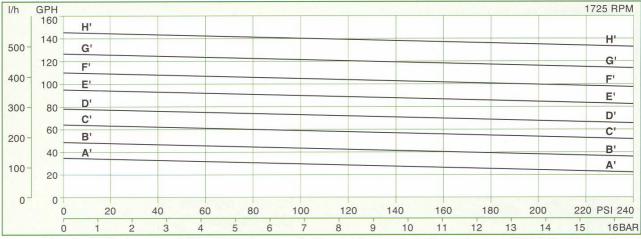
MODEL PO/PA	070	071	074	071x	074x	100	101	104	101x	104x	1500	1501	1504	1501x	1504x	200	201	204	201x	204x	
Flow (I/h) at 2 BAR			-	150					190						236						
Flow (I/h) at 7 BAR	89							139				225									
Flow (I/h) at 14 BAR	70					120					160						206				
Figure	A-A					B-B					C-C)			
By-Pass	NO	STD	BAL	STD	BAL	NO	STD	BAL	STD	BAL	NO	STD	BAL	STD	BAL	NO	STD	BAL	STD	BAL	
Built in filter	NO			YES		NO			YES		NO		YES		NO		YES				
MODEL PO/PA	2510	2501	2504	2501x	2504x	300	301	304	301x	304x	3500	3501	3504	3501x	3504x	400	401	404	401x	404x	
Flow (I/h) at 2 BAR	295					345					390						445				
Flow (I/h) at 7 BAR	284					334					379						434				
Flow (I/h) at 14 BAR	265					315					360					415					
Figure	E-E					F-F					G-G					H-H					

STD = STANDARD BAL = BALANCED



									WARRIED CO.							Name of the last	Annual Control of the				
MODEL PO/PA	070	071	074	071x	074x	100	101	104	101x	104x	1500	1501	1504	1501x	1504x	200	201	204	201x	204x	
Flow (GPH) at 20 PSI	34					49					64						76				
Flow (GPH) at 100 PSI	30							45			60						74				
Flow (GPH) at 200 PSI	24							39			54						88				
Figure	A'-A'					B'-B'					C'-C'						D'-D'				
By-Pass	NO	STD	BAL	STD	BAL	NO	STD	BAL	STD	BAL	NO	STD	BAL	STD	BAL	NO	STD	BAL	STD	BAL	
Built in filter	NO			YES		NO		YES		NO		YES		NO		YES					
MODEL PO/PA	2510	2501	2504	2501x	2504x	300	301	304	301x	304x	3500	3501	3504	3501x	3504x	400	401	404	401x	404x	
Flow (GPH) at 20 PSI	95					111					127						144				
Flow (GPH) at 100 PSI	91					107					123						140				
Flow (GPH) at 200 PSI	85					101					117						134				
Figure	E'-E'					F'-F'					G'-G'						H'-H'				

STD = STANDARD BAL = BALANCED



⁻ Pump weight: 1,1 kg / 2.5 Lbs (clamp mount) 1,2 kg / 2.7 Lbs (flange mount) - Characteristics at constant motor speed, water at 20°C / 68 °F and by-pass blocked