

# Brass and stainless steel rotary vane pumps PO 500-1000 series

The high volume rotary vane pumps manufactured by Fluid-o-Tech® and sold worldwide under the trademark Rotoflow® are available in six flow ratings to meet the needs of high volume pumping.

## Technical features and manufacturing characteristics

The rotary vane pump with brass or stainless steel body utilizes a stainless steel AISI 303 rotor, while the pumping chamber and the vanes are in carbon graphite. Inlet and outlet ports are 1/2" GAS or NPT threaded and the pump could be equipped with a built-in adjustable relief valve. The pump can be connected to coupling direct motor with a metallic clamp or to M71 and M80 UNELMEC frame motors with the Fluid-o-Tech® coupling and adapter set. Maximum operative temperature: 70 °C (158 F)

## Available upon request:

- Viton®/EPDM seals
- Built-in relief valve
- Flange mount
- California AB 1953 compliant brass

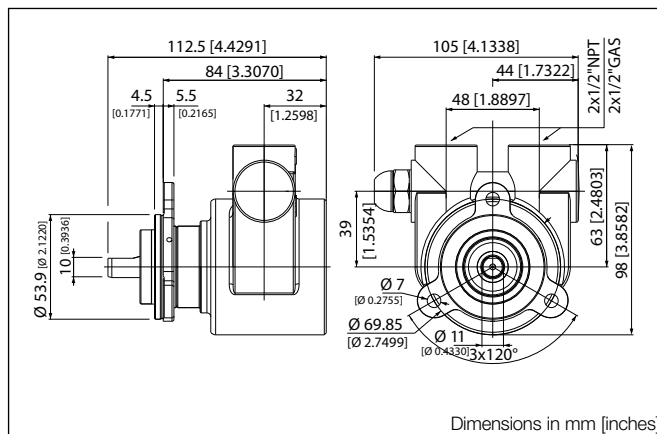
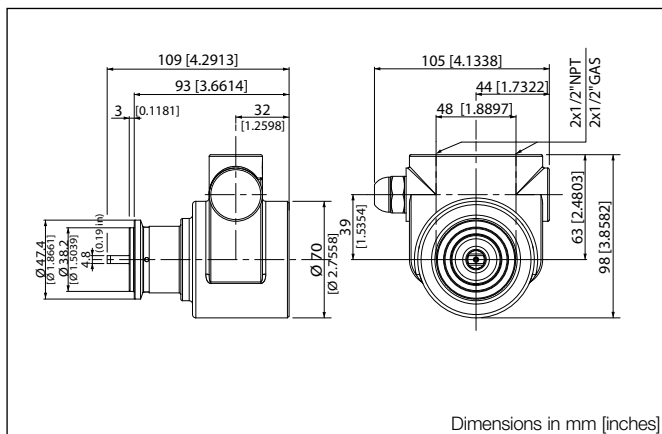


## MAIN APPLICATIONS

- Post mix drink dispensers
- Water treatment
- Cooling systems
- Booster systems

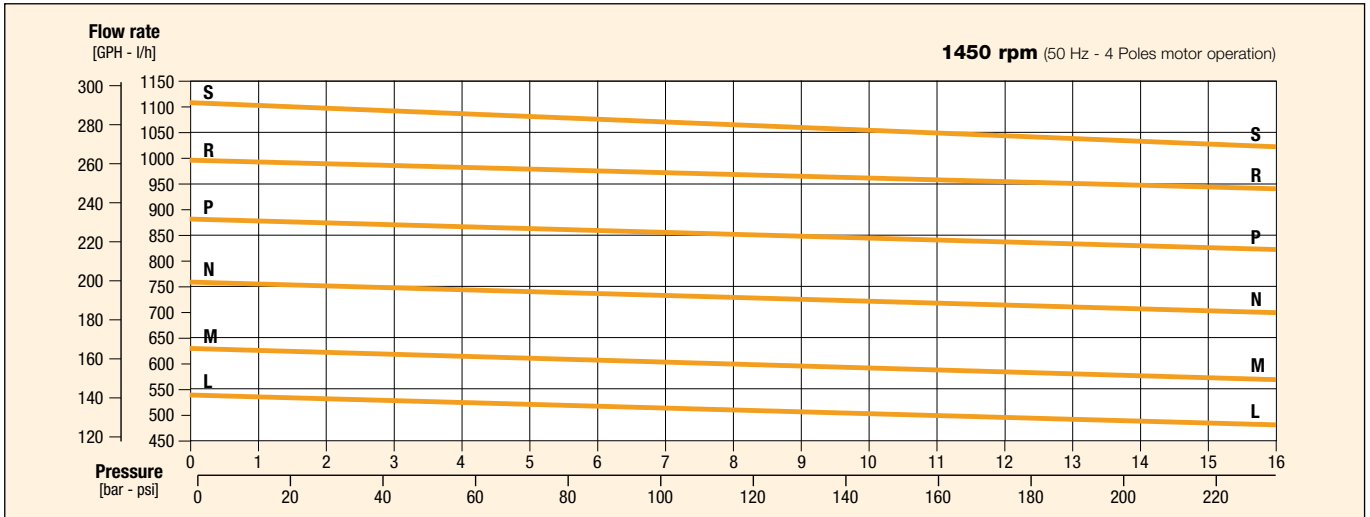
## TECHNICAL INFORMATION

|                       |                          |                     |                             |
|-----------------------|--------------------------|---------------------|-----------------------------|
| Pump housing material | Brass or stainless steel | Max static pressure | 20 bar/290 psi              |
| Pumping chamber       | Carbon graphite          | Pump weight         | Clamp mount 1.9 kg (4.2 lb) |
| Ports                 | 1/2" GAS or NPT          |                     | Flange mount 2 Kg (4.4 lb)  |
| Speed limit           | 1725 rpm                 |                     |                             |

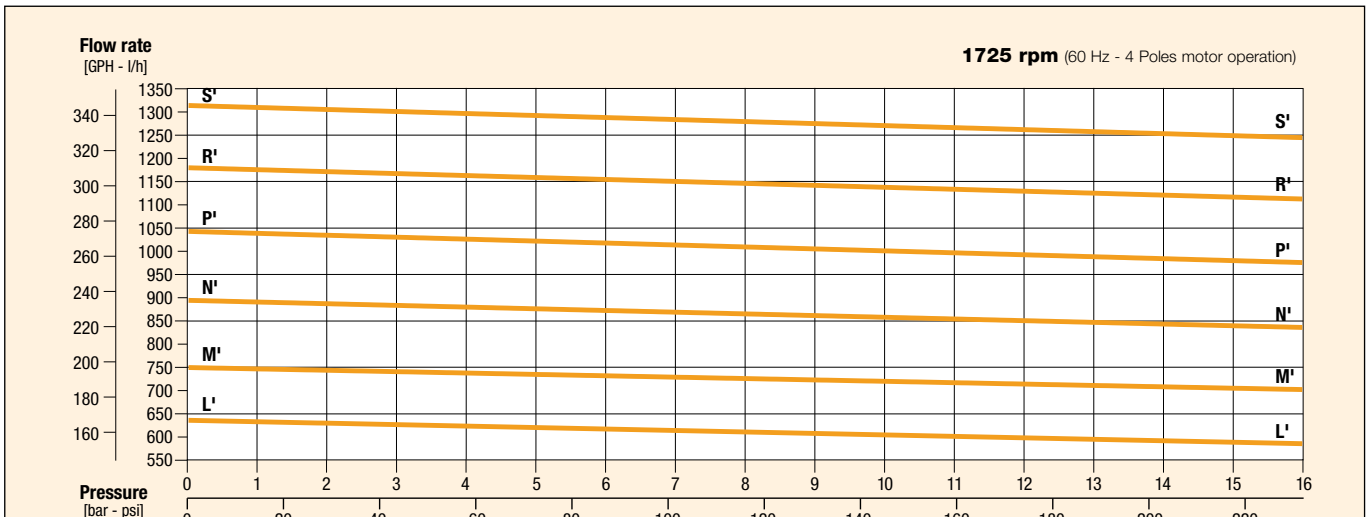


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| Model PO/PA/PW<br>Brass           | 500 | 501 | 500F | 501F | 600 | 601 | 600F | 601F | 700 | 701 | 700F | 701F | 800 | 801 | 800F | 801F | 900 | 901 | 900F | 901F | 1000 | 1001 | 1000F | 1001F |
|-----------------------------------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|------|------|-------|-------|
| Model PO/PA/PW<br>Stainless Steel | 510 | 511 | 510F | 511F | 610 | 611 | 610F | 611F | 710 | 711 | 710F | 711F | 810 | 811 | 810F | 811F | 910 | 911 | 910F | 911F | 1010 | 1011 | 1010F | 1011F |
| Figure                            |     |     | L-L  |      |     |     | M-M  |      |     |     | N-N  |      |     |     | P-P  |      |     | R-R |      |      |      | S-S  |       |       |
| Relief valve                      | NO  | YES | NO   | YES  | NO  | YES | NO   | YES  | NO  | YES | NO   | YES  | NO  | YES | NO   | YES  | NO  | YES | NO   | YES  | NO   | YES  | NO    | YES   |
| Flange mount                      | NO  | NO  | YES  | YES  | NO  | NO  | YES  | YES  | NO  | NO  | YES  | YES  | NO  | NO  | YES  | YES  | NO  | NO  | YES  | YES  | NO   | NO   | YES   | YES   |
| Clamp mount                       | YES | YES | NO   | NO   | YES | YES | NO   | NO   | YES | YES | NO   | NO   | YES | YES | NO   | NO   | YES | YES | NO   | NO   | YES  | YES  | NO    | NO    |



| Model PO/PA/PW<br>Brass           | 500 | 501 | 500F  | 501F | 600 | 601 | 600F  | 601F | 700 | 701 | 700F  | 701F | 800 | 801 | 800F  | 801F | 900 | 901   | 900F | 901F | 1000 | 1001  | 1000F | 1001F |
|-----------------------------------|-----|-----|-------|------|-----|-----|-------|------|-----|-----|-------|------|-----|-----|-------|------|-----|-------|------|------|------|-------|-------|-------|
| Model PO/PA/PW<br>Stainless Steel | 510 | 511 | 510F  | 511F | 610 | 611 | 610F  | 611F | 710 | 711 | 710F  | 711F | 810 | 811 | 810F  | 811F | 910 | 911   | 910F | 911F | 1010 | 1011  | 1010F | 1011F |
| Figure                            |     |     | L'-L' |      |     |     | M'-M' |      |     |     | N'-N' |      |     |     | P'-P' |      |     | R'-R' |      |      |      | S'-S' |       |       |
| Relief valve                      | NO  | YES | NO    | YES  | NO  | YES | NO    | YES  | NO  | YES | NO    | YES  | NO  | YES | NO    | YES  | NO  | YES   | NO   | YES  | NO   | YES   | NO    | YES   |
| Flange mount                      | NO  | NO  | YES   | YES  | NO  | NO  | YES   | YES  | NO  | NO  | YES   | YES  | NO  | NO  | YES   | YES  | NO  | NO    | YES  | YES  | NO   | NO    | YES   | YES   |
| Clamp mount                       | YES | YES | NO    | NO   | YES | YES | NO    | NO   | YES | YES | NO    | NO   | YES | YES | NO    | NO   | YES | YES   | NO   | NO   | YES  | YES   | NO    | NO    |



Note: Characteristics at constant motor speed, with water at 20 °C (68 F) and bypass blocked - Figures of flow are averages.  
For applications involving other fluids, high temperatures or unusual processing conditions, please consult the factory or an authorized Fluid-o-Tech distributor.

Fluid-o-Tech reserves the right to alter the specifications indicated in this catalogue at any time and without prior notice.

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