

## Procon Rotary Vane Pump Series 2

### Overview

The Rotary Vane Pump Series 2 is a compact, high-efficiency positive displacement pump engineered for precise fluid handling across a wide range of industrial, commercial, and chemical applications. Designed with reliability and performance in mind, Series 2 pumps offer smooth, pulse-free flow and excellent suction lift capabilities, even at low RPMs.



### Produk Details

- Consistent flow rate across variable pressures
- Self-priming (water) and maintenance-free with low vibration and pulsation characteristics
- Internal Relief Valve External adjust configuration
- Brass Housing Material
- NPT 3/8" Inlet and Outlet Connections
- Constructed with Fluorocarbon Elastomers
- Flowrate of 125GPH (375LPH)\*
- Fluid Operating Temperature of between -4°F to 320°F (-20°C to 160°C)<sup>1</sup>
- Special Non-Standard Counter clockwise rotation
- Maximum Mechanical Horsepower required 0.57hp (425W)<sup>2</sup>

### Top Feature

- Compact Yet Powerful Output
- Durable Brass Construction
- High Temperature Resistance
- Externally Adjustable Valve Configuration
- Reliable Sealing Technology
- Lightweight and Easy to Install
- Wide Operating Parameters
- Fluid Compatibility

### Specification

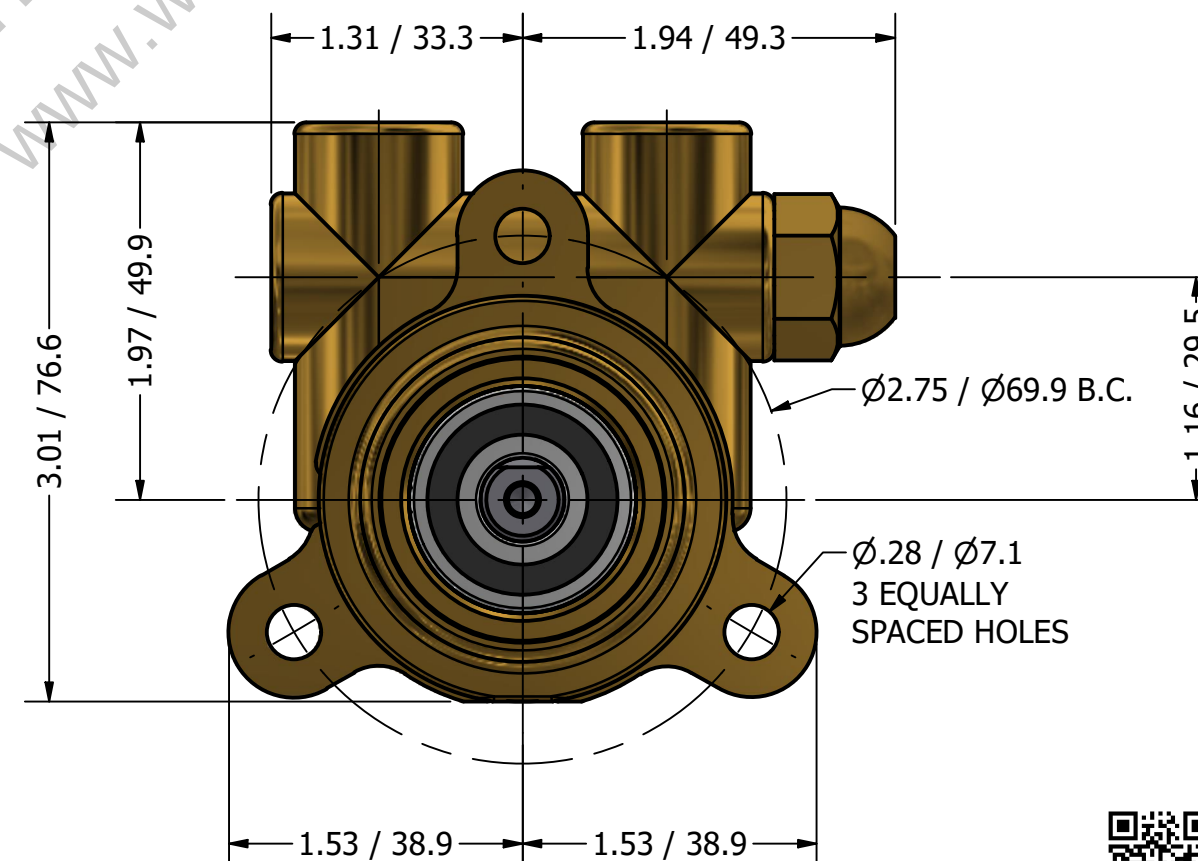
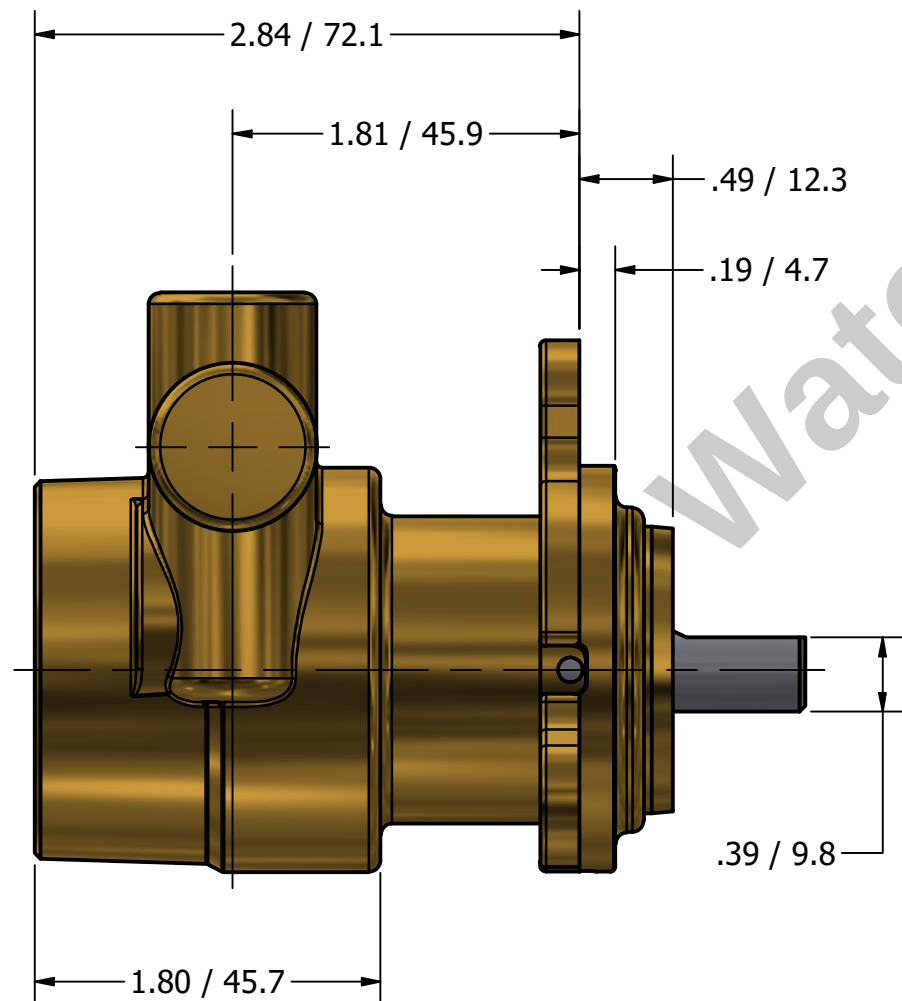
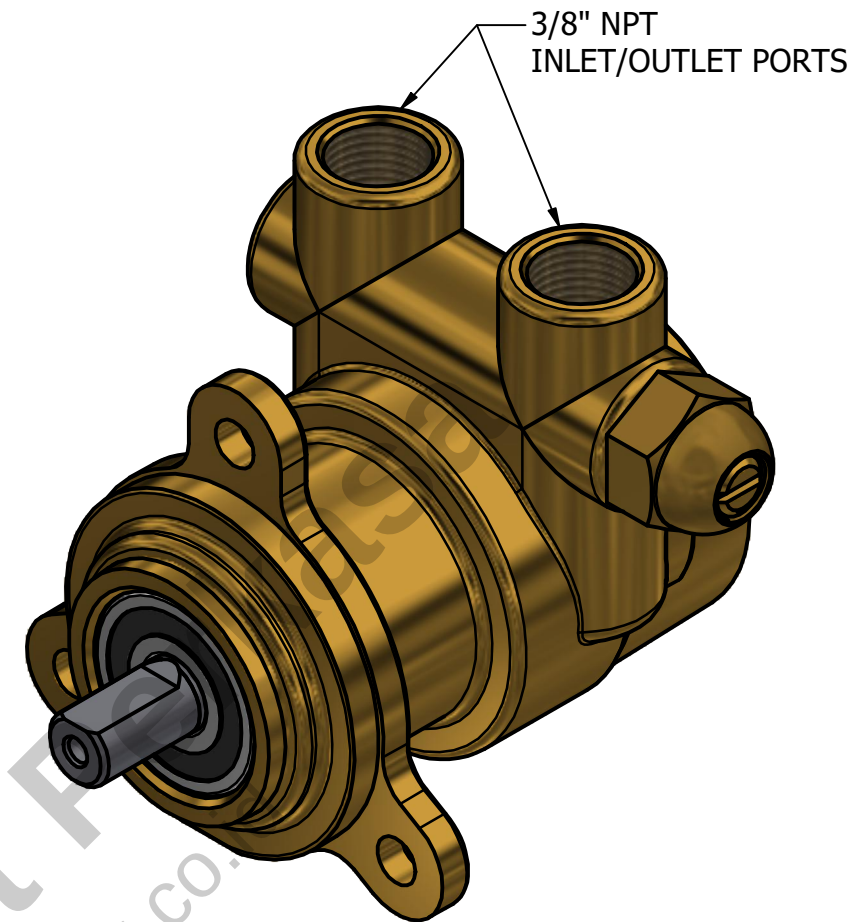
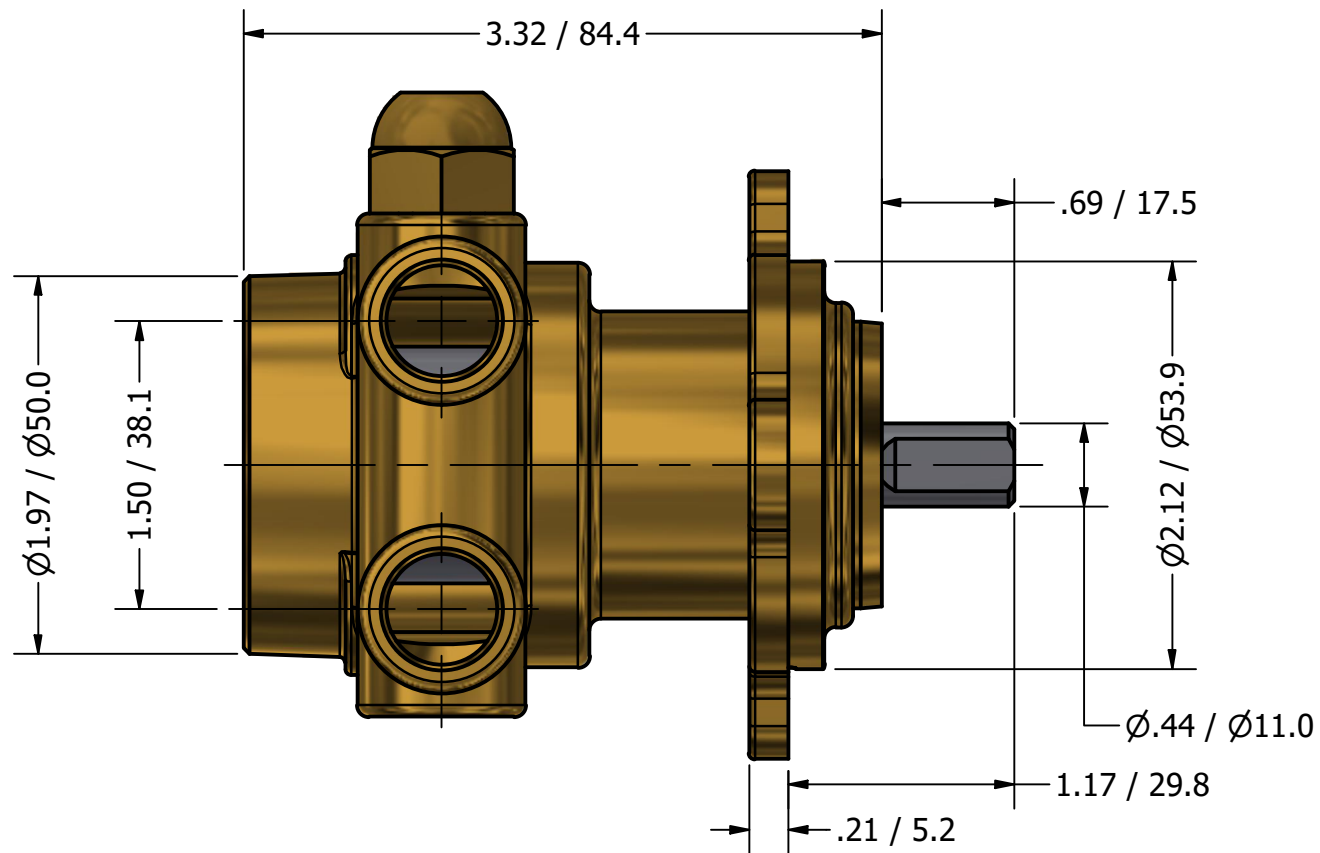
- Flow Rate GPH: 125GPH
- Flow Rate LPH: 375LPH
- Material: Brass
- Port Hole: NPT 3/8"
- Mounting Type: Bolt-On
- Drive Configuration: Single Flat
- Elastomer: Fluorocarbon
- Seal Type: Non Balances Ceramic/Carbon
- Rotation: Counter Clockwise
- Internal Component Material: Carbon
- Internal Component Clearance: Special Clearance for High Temperature Applications
- Valve Type: Solid- Ultem
- Valve Configuration: External adjust
- Product Weight: 2.3lb (1.04Kg)

### Operating Range

- Max Operating Pressure: 100psi
- Maximum Mechanical Power Requirement: 0.57hp (425W)
- Relief Valve Set Pressure Range: 100 to 150psi (7 to 10 BAR)
- Max Static Pressure PSI: 100psi
- Min Operation Fluid Temperature: -4°F
- Max Operation Fluid Temperature: 320°F
- Max Fluid Viscosity: 100cP
- Max Sound Level: 60dB(a)
- Max Discharge Pressure: 250psi
- MinSpeed: 1000RPM
- Max Speed: 2400RPM
- Dry Suction Lift: 3.3ft
- Wet Suction Lift: 6.6ft
- Fluid Acidity: 6pH
- Maximum Total Dissolved Solids (TDS): 5000pp



**SERIES 2  
ROTARY VANE PUMP  
BOLT-ON STYLE  
"E" MOUNTING  
3/8" NPT PORTS  
WITH RELIEF VALVE**



**PROCON<sup>®</sup>**



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## Series 1, 2, and 3 Nominal Volume\*

| Flow rate<br>(GPH/<br>LPH) | Gallons Per Hour / Liters Per Hour |         |          |          |          | Brake Horsepower / Watts (motor shaft power) |          |          |          |          |
|----------------------------|------------------------------------|---------|----------|----------|----------|----------------------------------------------|----------|----------|----------|----------|
|                            | Pressure (PSI/Bar)                 |         |          |          |          | Pressure (PSI/Bar)                           |          |          |          |          |
|                            | 50/3.4                             | 100/6.9 | 150/10.3 | 200/13.8 | 250/17.5 | 50/3.4                                       | 100/6.9  | 150/10.3 | 200/13.8 | 250/17.5 |
| 140/425                    | 143/447                            | 141/441 | 139/434  | 137/428  | 135/422  | 0.17/127                                     | 0.28/209 | 0.40/298 | 0.52/387 | 0.63/469 |
| 125/375                    | 128/400                            | 126/394 | 124/388  | 122/381  | 120/375  | 0.16/119                                     | 0.26/194 | 0.36/268 | 0.47/350 | 0.57/425 |
| 110/330                    | 111/347                            | 109/341 | 107/334  | 105/328  | 103/322  | 0.15/112                                     | 0.25/186 | 0.34/253 | 0.44/328 | 0.54/402 |
| 100/300                    | 102/319                            | 100/313 | 98/306   | 96/300   | 94/294   | 0.13/97                                      | 0.20/149 | 0.28/209 | 0.35/261 | 0.42/313 |
| 80/240                     | 82/257                             | 80/256  | 78/244   | 76/238   | 74/231   | 0.12/89                                      | 0.18/134 | 0.25/186 | 0.32/238 | 0.39/291 |
| 70/210                     | 72/225                             | 70/219  | 68/213   | 66/206   | 64/200   | 0.11/82                                      | 0.17/127 | 0.24/179 | 0.30/224 | 0.37/276 |
| 60/180                     | 62/194                             | 60/188  | 58/181   | 56/175   | 54/169   | 0.10/75                                      | 0.16/119 | 0.23/171 | 0.29/216 | 0.35/261 |
| 50/150                     | 52/163                             | 50/157  | 48/150   | 46/144   | 44/138   | 0.09/67                                      | 0.15/112 | 0.21/157 | 0.27/201 | 0.33/246 |
| 35/100                     | 37/116                             | 35/110  | 33/103   | 31/97    | 29/91    | 0.08/51                                      | 0.14/104 | 0.19/142 | 0.24/179 | 0.29/216 |
| 25/75                      | 27/85                              | 25/78   | 23/72    | 21/66    | 19/59    | 0.07/52                                      | 0.12/89  | 0.17/127 | 0.22/164 | 0.27/201 |
| 15/45                      | 17/53                              | 15/47   | 13/41    | 11/34    | --       | 0.06/45                                      | 0.10/75  | 0.15/112 | 0.19/142 | --       |

\*GPH rating at 1725 RPM/60Hz and LPH rating at 1450 RPM/50Hz.

Performance based on pump tested with water at room temperature For certificate of compliance or declaration please visit [www.proconpumps.com](http://www.proconpumps.com) or email [productcompliance@proconpump.com](mailto:productcompliance@proconpump.com)

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