Procon Rotary Vane Pump Series 1

Overview

The Rotary Vane Pump Series 1 is a high-performance fluid handling solution designed for medium-duty industrial and commercial applications. With a flow rate of 140 GPH (425 LPH) and robust brass construction, this pump ensures reliability and long service life even under demanding conditions.

Produk Details

- Consistent flow rate across variable pressures
- Self-priming (water) and maintenance-free with low vibration and pulsation characteristics
- No Relief Valve
- Integral Strainer for debris removal from pumping fluid
- Brass Housing Material
- NPT 3/8" Inlet and Outlet Connections
- Constructed with Neoprene Elastomers
- Flowrate of 140GPH (425LPH)*
- Fluid Operating Temperature of between -4°F to 160°F (-20°C to 71°C)
- Maximum Mechanical Horsepower required 0.64hp (477W)¹

Top Feature

- Flow Capacity: 140 GPH (425 LPH)
- Material: Corrosion-resistant Brass Housing
- Mounting Type: Clamp-On for easy installation
- Drive Configuration: Single Flat
- Integrated Strainer: Ensures clean fluid entry and protects internal components
- Seal System: Non-balanced
- Ceramic/Carbon for durability
- Maximum Pressure: 250 psi operating / 100 psi static
- Temperature Range: -4°F to 160°F
- Rotation: Clockwise
- Max Viscosity: 100 cP
- Noise Level: ≤ 60 dB(A)

Specification

- Flow Rate GPH: 140GPH
- Flow Rate LPH: 425LPH
- Material: Brass
- Port Hole: NPT 3/8"
- Integrated Strainer: Yes
- Mounting Type: Clamp-On
- Drive Configuration: Single Flat
- Elastomer: Neoprene
- Seal Type: Non Balances Ceramic/ Carbon
- Rotation: Clockwise
- Internal Component Material: Carbon
- ValveConfiguration: No Relief Valve
- Product Weight: 2.4lb (1.09Kg)
- Operating Range: Max Operating Pressure 250psi
- Maximum Mechanical Power Requirement: 0.64hp (477W)
- Max Static Pressure PSI: 100psi
- Min Operation Fliud Temperature:-4°F
- Max Operation Fluid Temperature: 160°F
- Max Fluid Viscocity: 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

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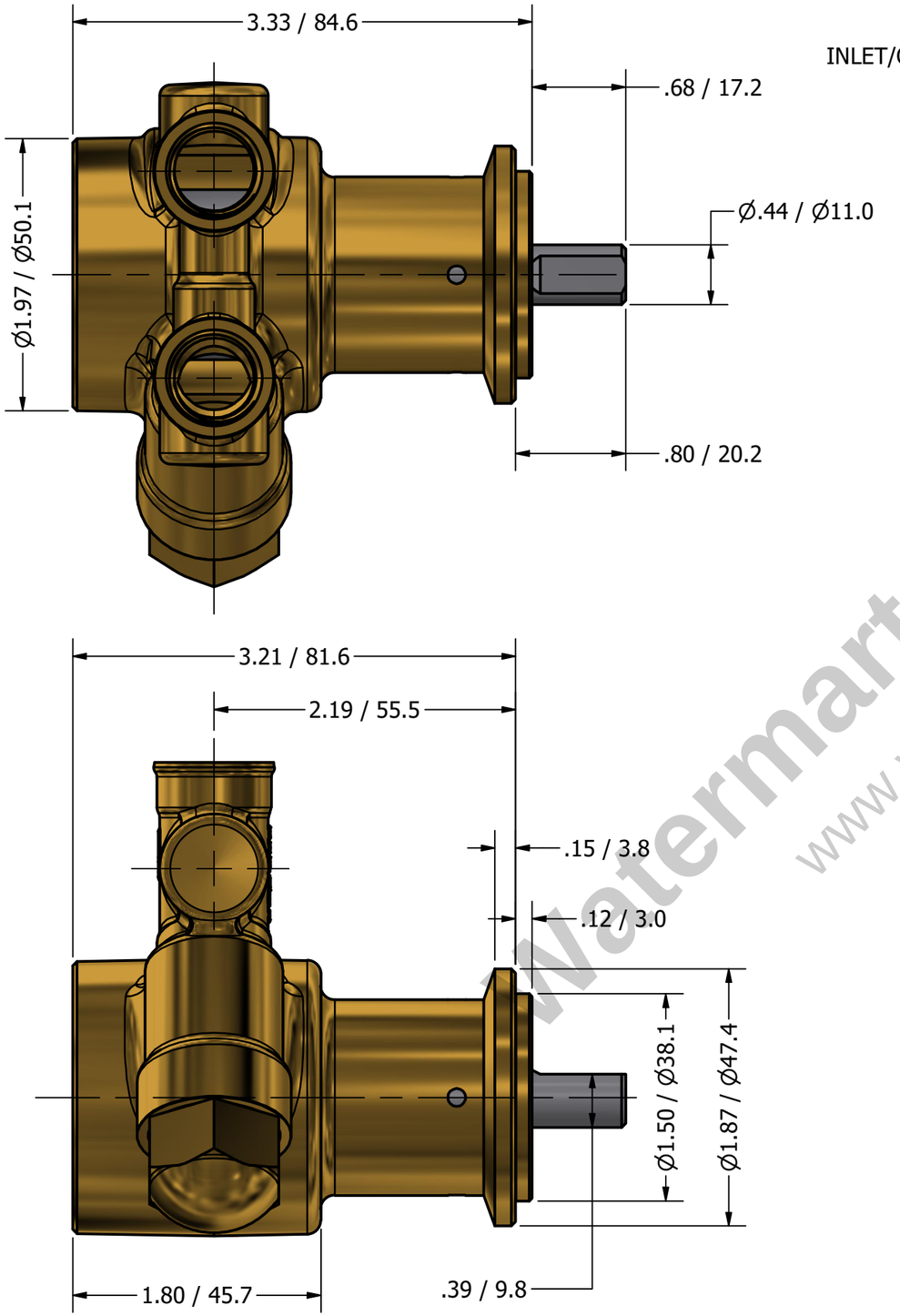
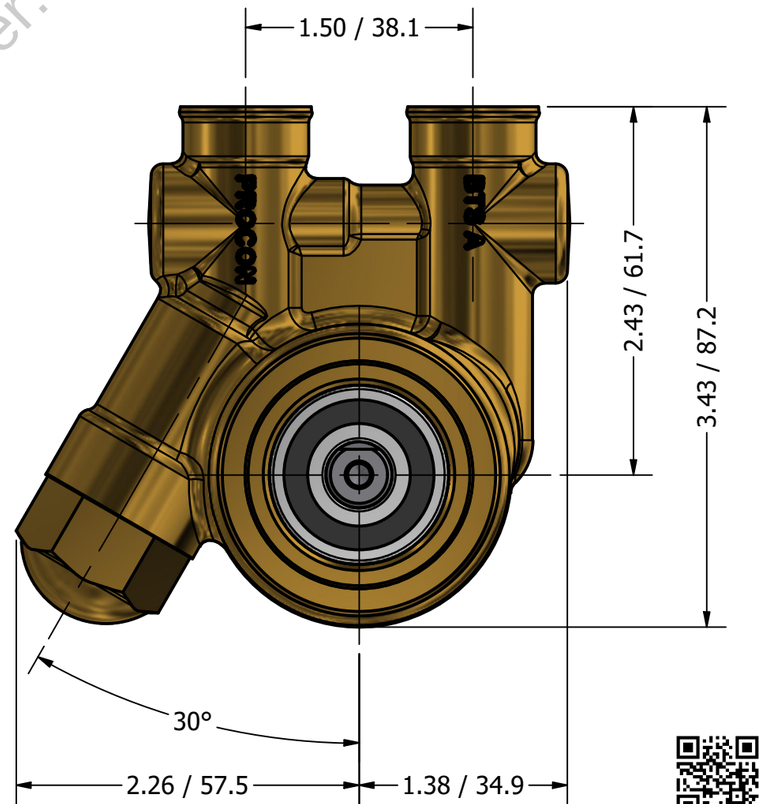
SERIES 1
ROTARY VANE PUMP
CLAMP-ON STYLE
"S" MOUNTING
3/8" NPT PORTS





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Series 1, 2, and 3 Nominal Volume*

Flow rate (GPH/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 declarati please visit www.proconpumps.com or email productcompliance@proconpump.com

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