

# PROCON PRODUCTS

## Series 1 - 6 Rotary Vane pumps - Model Number Matrix

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<b>PRODUCT CLASSIFICATION</b>		<b>1 - ROTARY VANE PUMP</b>																																																																				
<b>AGENCY APPROVALS</b>		0 - NON-FOOD GRADE (1.5% Max. Lead)- NO AGENCY APPROVAL 1 - NSF STD. 169 LISTED (1.5% Max. Lead) - (SEE NOTE 1) 2 - WRC 3 - FOOD GRADE - (1.5% Max. Lead) NO AGENCY LISTING P - SPARE PARTS KIT Z - NON-FOOD GRADE (.20% Max. Lead)- NO AGENCY APPROVAL 4 - NSF STD. 169 LISTED (.20% Max. Lead) - (SEE NOTE 1) Y - NON-FOOD GRADE (.10% Max. Lead)- NO AGENCY APPROVAL 5 - NSF STD. 169 LISTED (.10% Max. Lead) - (SEE NOTE 1) 6 - WRC - (.20% Max. Lead) W - 254 SMO (316 S/S) - NO AGENCY APPROVAL T - TIFQ - DM 174																																																																				
<b>SERIES</b>		1 - SERIES 1 BRASS - INTEGRAL STRAINER - 3/8 NPT PORTS 2 - SERIES 2 BRASS - 3/8 NPT PORTS 3 - SERIES 3 STAINLESS STEEL - 3/8 NPT PORTS 4 - SERIES 4 BRASS - 1/2 NPT PORTS 5 - SERIES 5 STAINLESS STEEL - 1/2 NPT PORTS 6 - SERIES 6 STAINLESS STEEL - 1" NPT PORTS 7 - SERIES 7 BRASS MINI PRO - 3/8 NPT 8 - SERIES 8 STAINLESS STEEL - INTEGRAL STRAINER - 3/8 NPT PORTS 9 - SERIES 9 BRASS SHORT PUMP - G 3/8 PORTS A - SERIES 1 BRASS - INTEGRAL STRAINER - G 3/8 PORTS B - SERIES 2 BRASS - G 3/8 PORTS C - SERIES 3 STAINLESS STEEL - G 3/8 PORTS D - SERIES 4 BRASS - G 1/2 PORTS E - SERIES 5 STAINLESS STEEL - G 1/2 PORTS F - SERIES 7 BRASS MINI PRO - G 3/8 PORTS G - SERIES 8 STAINLESS STEEL - INTEGRAL STRAINER - G 3/8 PORTS																																																																				
<b>MOUNTING AND DRIVE CONFIGURATION</b>		A - CLAMP ON WITH .188" DOUBLE FLAT DRIVE B - CLAMP ON WITH 1143 BRONZE COUPLING C - CLAMP ON WITH 1143-2 PLASTIC COUPLING D - CLAMP ON WITH SLOTTED SHAFT ONLY - NO COUPLING E - BOLT ON WITH SINGLE FLAT DRIVE (SERIES 1-5 ONLY) J - BOLT ON WITH .25 DOUBLE FLAT DRIVE (SEE NOTE 2) K - BOLT ON WITH 3018 BRONZE COUPLING L - BOLT ON WITH 3018-1 OVERSIZE BRONZE COUPLING M - BOLT ON WITH SLOTTED SHAFT ONLY N - BOLT ON WITH KEY SLOT DRIVE (SERIES 6 ONLY) R - LONG CLAMP ON WITH DOUBLE FLAT DRIVE (SEE NOTE 11) S - CLAMP ON WITH SINGLE FLAT DRIVE T - BOLT ON WITH FAEMA STYLE MOUNT V - CLAMP-ON WITH METRIC KEYWAY ROTOR W - BOLT-ON WITH METRIC KEYWAY ROTOR																																																																				
<b>FLOWRATE (SEE NOTE 10)</b>		<table border="0"> <tr> <td colspan="2"><b>SERIES 1, 2 AND 3</b></td> </tr> <tr> <td>015 - 15 GPH</td> <td>(45 LPH)</td> </tr> <tr> <td>025 - 25 GPH</td> <td>(75 LPH)</td> </tr> <tr> <td>035 - 35 GPH</td> <td>(100 LPH)</td> </tr> <tr> <td>050 - 50 GPH</td> <td>(150 LPH)</td> </tr> <tr> <td>060 - 60 GPH</td> <td>(180 LPH)</td> </tr> <tr> <td>070 - 70 GPH</td> <td>(210 LPH)</td> </tr> <tr> <td>080 - 80 GPH</td> <td>(240 LPH)</td> </tr> <tr> <td>100 - 100 GPH</td> <td>(300 LPH)</td> </tr> <tr> <td>110 - 110 GPH</td> <td>(330 LPH)</td> </tr> <tr> <td>125 - 125 GPH</td> <td>(375 LPH)</td> </tr> <tr> <td>140 - 140 GPH</td> <td>(425 LPH)</td> </tr> <tr> <td colspan="2"><b>SERIES 4 AND 5</b></td> </tr> <tr> <td>115 - 115 GPH</td> <td>(350 LPH)</td> </tr> <tr> <td>140 - 140 GPH</td> <td>(425 LPH)</td> </tr> <tr> <td>165 - 165 GPH</td> <td>(500 LPH)</td> </tr> <tr> <td>190 - 190 GPH</td> <td>(575 LPH)</td> </tr> <tr> <td>215 - 215 GPH</td> <td>(650 LPH)</td> </tr> <tr> <td>240 - 240 GPH</td> <td>(725 LPH)</td> </tr> <tr> <td>265 - 265 GPH</td> <td>(800 LPH)</td> </tr> <tr> <td>330 - 330 GPH (HIGH FLOW)</td> <td>- NO RELIEF VALVE (1000 LPH)</td> </tr> <tr> <td colspan="2"><b>SERIES 6</b></td> </tr> <tr> <td>300 - 300 GPH - NO RELIEF VALVE</td> <td>(900 LPH)</td> </tr> <tr> <td>360 - 360 GPH - NO RELIEF VALVE</td> <td>(1080 LPH)</td> </tr> <tr> <td>420 - 420 GPH - NO RELIEF VALVE</td> <td>(1260 LPH)</td> </tr> <tr> <td>480 - 480 GPH - NO RELIEF VALVE</td> <td>(1440 LPH)</td> </tr> <tr> <td>540 - 540 GPH - NO RELIEF VALVE</td> <td>(1620 LPH)</td> </tr> <tr> <td>600 - 600 GPH - NO RELIEF VALVE</td> <td>(1800 LPH)</td> </tr> <tr> <td>660 - 660 GPH - NO RELIEF VALVE</td> <td>(2000 LPH)</td> </tr> </table>											<b>SERIES 1, 2 AND 3</b>		015 - 15 GPH	(45 LPH)	025 - 25 GPH	(75 LPH)	035 - 35 GPH	(100 LPH)	050 - 50 GPH	(150 LPH)	060 - 60 GPH	(180 LPH)	070 - 70 GPH	(210 LPH)	080 - 80 GPH	(240 LPH)	100 - 100 GPH	(300 LPH)	110 - 110 GPH	(330 LPH)	125 - 125 GPH	(375 LPH)	140 - 140 GPH	(425 LPH)	<b>SERIES 4 AND 5</b>		115 - 115 GPH	(350 LPH)	140 - 140 GPH	(425 LPH)	165 - 165 GPH	(500 LPH)	190 - 190 GPH	(575 LPH)	215 - 215 GPH	(650 LPH)	240 - 240 GPH	(725 LPH)	265 - 265 GPH	(800 LPH)	330 - 330 GPH (HIGH FLOW)	- NO RELIEF VALVE (1000 LPH)	<b>SERIES 6</b>		300 - 300 GPH - NO RELIEF VALVE	(900 LPH)	360 - 360 GPH - NO RELIEF VALVE	(1080 LPH)	420 - 420 GPH - NO RELIEF VALVE	(1260 LPH)	480 - 480 GPH - NO RELIEF VALVE	(1440 LPH)	540 - 540 GPH - NO RELIEF VALVE	(1620 LPH)	600 - 600 GPH - NO RELIEF VALVE	(1800 LPH)	660 - 660 GPH - NO RELIEF VALVE	(2000 LPH)
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<b>PRESSURE SETTING (RELIEF VALVE) (SEE NOTE 5)</b>		<b>PRESSURE SETTING IN PSI (POUNDS PER SQ. IN.)</b>																																																																				
<b>PRESSURE RANGE (RELIEF VALVE SPRING)</b>		A - 151 TO 250 PSI - DEFAULT SETTING 170 PSI (SEE NOTE 4) 10 to 17 BAR - DEFAULT SETTING 14 BAR B - 100 TO 150 PSI - DEFAULT SETTING 130 PSI 7 TO 10 BAR - DEFAULT SETTING 10 BAR C - 60 TO 99 PSI - DEFAULT SETTING 99 PSI 4 TO 7 BAR - DEFAULT SETTING 7 BAR D - 30 TO 59 PSI - DEFAULT SETTING 50 PSI (SEE NOTE 6) 2 TO 4 BAR - DEFAULT SETTING 3.5 BAR X - NO SETTING																																																																				
<b>VALVE TYPE AND CONFIGURATION</b>		A - PLASTIC, HI TEMP-BYPASS W/SS INSERT B - PLASTIC, HI TEMP-SOLID - W/SS INSERT C - PLASTIC, HI TEMP BALANCED BYPASS - W/SS INSERT D - PLASTIC, HI TEMP BALANCED SOLID - W/SS INSERT F - PLASTIC, HI TEMP-EXTERNAL ADJUST BYPASS - W/SS INSERT G - PLASTIC, HI TEMP-EXTERNAL ADJUST SOLID - W/SS INSERT P - BRASS, HI TEMP-SOLID - W/SS INSERT R - STAINLESS STEEL, HI TEMP-SOLID 1 - PLASTIC, LOW TEMP-BYPASS - NO INSERT 2 - PLASTIC, LOW TEMP-SOLID - NO INSERT 3 - PLASTIC, LOW TEMP BALANCED BYPASS - NO INSERT 4 - PLASTIC, LOW TEMP BALANCED SOLID - NO INSERT 5 - PLASTIC, LOW TEMP-EXTERNAL ADJUST BYPASS - NO INSERT 6 - PLASTIC, LOW TEMP-EXTERNAL ADJUST SOLID - NO INSERT X - NO RELIEF VALVE																																																																				
<b>CLEARANCES</b>		1 - STANDARD CLEARANCE 2 - SPCL CLEARANCE (1x) LINER & BRGS 3 - SPECIAL CLEARANCE (2x) LINER & (1x) BRGS. 4 - STANDARD CLEARANCE WITH SEAL CIRCULATION 5 - SPCL CLEARANCE (1x) LINER AND (1x) SEAL CIRC. BRGS. 6 - SPCL CLEARANCE (1x) LINER AND (2x) SEAL CIRC. BRGS.																																																																				
<b>ROTATION / SLINGER / VANES / PINS</b>		1 - CLOCKWISE (SEE NOTE 18.) 2 - COUNTERCLOCKWISE (SEE NOTE 18.) 3 - CLOCKWISE / SLINGER (SEE NOTE 18.) 4 - COUNTERCLOCKWISE / SLINGER (SEE NOTE 18.) A - CLOCKWISE / PEEK VANES WITH VANE PINS B - CLOCKWISE / PEEK VANES WITHOUT VANE PINS C - CLOCKWISE / SLINGER / PEEK VANE WITH VANE PINS D - CLOCKWISE / SLINGER / PEEK VANE WITHOUT VANE PINS E - CLOCKWISE / CARBON VANES WITHOUT VANE PINS F - CLOCKWISE / SLINGER / CARBON VANES WITHOUT VANE PINS																																																																				
<b>ELASTOMER</b>		F - FDA GRADE NITRILE - TYPE 21 OR TYPE 2106 USED INTERCHANGEABLY G - ETHYLENE PROPYLENE - TYPE 21 SEAL (SEE NOTE 8) R - FLUOROCARBON - TYPE 21 SEAL S - NEOPRENE - TYPE 21 SEAL (SEE NOTE 9) W - ETHYLENE PROPYLENE - TYPE 21 SEAL - WRC APPROVED COMPOUND A - NITRILE O-RINGS AND EP TYPE 21 SEAL W/ SILICON CARBIDE ST. RING																																																																				
<b>NOTES:</b>		1. Brass pumps are NSF listed for potable water only. Stainless steel pumps are NSF listed for potable and carbonated water. 2. Bolt on model with .25" double flat drive for use in Japan only. (No NSF.) 3. Counterclockwise rotation not available for Series 1 pumps. 4. For the Beverage Industry - the default relief valve pressure setting is 250 PSI. 5. The relief valve pressure setting is not part of the model matrix number. It is for customer reference only. 6. This pressure range is not available in valve configurations C, D, K or L. 7. Passivation is defined as a passivated housing only. 8. The EP and Neoprene elastomers are no longer available for Series 6 pumps. 9. Neoprene elastomer not available for the following relief valve configurations: C, D, F, G, 3, 4, 5, and 6. 10. GPH rating at 60HZ (1750 RPM) - LPH rating at 50HZ (1400 RPM). 11. Long clamp on pumps are series 1 and 4 only 12. Series 6 pumps do not have a slinger. 13. All longneck Series 1 pumps must have relief valve. 14. Type "F" and "A" elastomers are NSF approved. 15. Type "F" elastomer is TIFQ approved. 16. Type "W" elastomer is WRAS approved. 17. Series 8 and G are not available at this time. 18. Unless otherwise indicated, pumps use carbon vanes and vane pins.																																																																				