

# PROCON PRODUCTS

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

1 1 1 A 100 F 1 1 A A 180		
<b>PRODUCT CLASSIFICATION</b>		<b>PRESSURE SETTING (RELIEF VALVE) (SEE NOTE 5)</b>
<b>1 - ROTARY VANE PUMP</b>		<b>PRESSURE SETTING IN PSI (POUNDS PER SQ. IN.)</b>
<b>AGENCY APPROVALS</b>		<b>PRESSURE RANGE (RELIEF VALVE SPRING)</b>
0 - NON-FOOD GRADE (1.5% Max. Lead)- NO AGENCY APPROVAL		A - 151 TO 250 PSI - DEFAULT SETTING 170 PSI (SEE NOTE 4)
1 - NSF STD. 169 LISTED (1.5% Max Lead) - (SEE NOTE 1)		10 to 17 BAR - DEFAULT SETTING 14 BAR
2 - WRC		B - 100 TO 150 PSI - DEFAULT SETTING 130 PSI
3 - FOOD GRADE - (1.5% Max. Lead) NO AGENCY LISTING		7 TO 10 BAR - DEFAULT SETTING 10 BAR
P- SPARE PARTS KIT		C - 60 TO 99 PSI - DEFAULT SETTING 99 PSI
Z - NON-FOOD GRADE (.20% Max. Lead)- NO AGENCY APPROVAL		4 TO 7 BAR - DEFAULT SETTING 7 BAR
4 - NSF STD. 169 LISTED (.20% Max. Lead) - (SEE NOTE 1)		D - 30 TO 59 PSI - DEFAULT SETTING 50 PSI (SEE NOTE 6)
Y - NON-FOOD GRADE (.10% Max. Lead)- NO AGENCY APPROVAL		2 TO 4 BAR - DEFAULT SETTING 3.5 BAR
5 - NSF STD. 169 LISTED (.10% Max. Lead) - (SEE NOTE 1)		X - NO SETTING
W - 254 SMO (316 S/S) - NO AGENCY APPROVAL		<b>VALVE TYPE AND CONFIGURATION</b>
<b>SERIES</b>		A - PLASTIC, HI TEMP-BYPASS
1 - SERIES 1 BRASS - INTEGRAL STRAINER		B - PLASTIC, HI TEMP-SOLID
2 - SERIES 2 BRASS		C - PLASTIC, HI TEMP BALANCED BYPASS
3 - SERIES 3 STAINLESS STEEL		D - PLASTIC, HI TEMP BALANCED SOLID
4 - SERIES 4 BRASS		F - PLASTIC, HI TEMP-EXTERNAL ADJUST BYPASS
5 - SERIES 5 STAINLESS STEEL		G - PLASTIC, HI TEMP-EXTERNAL ADJUST SOLID
6 - SERIES 6 STAINLESS STEEL		P - BRASS, HI TEMP-SOLID
7 - SERIES 7 BRASS MINI PRO		R - STAINLESS STEEL, HI TEMP-SOLID
8 - SERIES 8 STAINLESS STEEL - INTEGRAL STRAINER		1 - PLASTIC, LOW TEMP-BYPASS
9 - SERIES 9 BRASS SHORT PUMP		2 - PLASTIC, LOW TEMP-SOLID
<b>MOUNTING AND DRIVE CONFIGURATION</b>		3 - PLASTIC, LOW TEMP BALANCED BYPASS
A - CLAMP ON WITH .188" DOUBLE FLAT DRIVE		4 - PLASTIC, LOW TEMP BALANCED SOLID
B - CLAMP ON WITH 1143 BRONZE COUPLING		5 - PLASTIC, LOW TEMP-EXTERNAL ADJUST BYPASS
C - CLAMP ON WITH 1143-2 PLASTIC COUPLING		6 - PLASTIC, LOW TEMP-EXTERNAL ADJUST SOLID
D - CLAMP ON WITH SLOTTED SHAFT ONLY - NO COUPLING		X - NO RELIEF VALVE
E - BOLT ON WITH SINGLE FLAT DRIVE (SERIES 1-5 ONLY)		<b>CLEARANCES</b>
J - BOLT ON WITH .25 DOUBLE FLAT DRIVE (SEE NOTE 2)		1 - STANDARD CLEARANCE
K - BOLT ON WITH 3018 BRONZE COUPLING		2 - SPCL CLEARANCE (1x) LINER & BRGS
L - BOLT ON WITH 3018-1 OVERSIZE BRONZE COUPLING		3 - SPECIAL CLEARANCE (2x) LINER & (1x) BRGS.
M - BOLT ON WITH SLOTTED SHAFT ONLY		4 - STANDARD CLEARANCE WITH SEAL CIRCULATION
N - BOLT ON WITH KEY SLOT DRIVE (SERIES 6 ONLY)		5 - SPCL CLEARANCE (1x) LINER AND (1x) SEAL CIRC. BRGS.
P - CLAMP ON WITH 1143-3 OVERSIZE BRONZE COUPLING		6 - SPCL CLEARANCE (1x) LINER AND (2x) SEAL CIRC. BRGS.
R - LONG CLAMP ON WITH DOUBLE FLAT DRIVE (SEE NOTE 11)		<b>ROTATION / SLINGER / PASSIVATION / STRAINER</b>
S - CLAMP ON WITH SINGLE FLAT DRIVE		1 - CLOCKWISE
T - BOLT ON WITH FAEMA STYLE MOUNT		2 - COUNTERCLOCKWISE
<b>FLOWRATE (SEE NOTE 10)</b>		3 - CLOCKWISE / SLINGER
SERIES 1, 2 AND 3		4 - COUNTERCLOCKWISE / SLINGER
015 - 15 GPH (45 LPH)		7 - CLOCKWISE / COARSE STRAINER
025 - 25 GPH (75 LPH)		8 - CLOCKWISE / SLINGER / COARSE STRAINER
035 - 35 GPH (100 LPH)		<b>ELASTOMER</b>
050 - 50 GPH (150 LPH)		F - FDA GRADE NITRILE - TYPE 21 OR TYPE 2106
060 - 60 GPH (180 LPH)		USED INTERCHANGEABLY
070 - 70 GPH (210 LPH)		G - ETHYLENE PROPYLENE - TYPE 21 SEAL (SEE NOTE 8)
080 - 80 GPH (240 LPH)		R - FLUOROCARBON - TYPE 21 SEAL
100 - 100 GPH (300 LPH)		S - NEOPRENE - TYPE 21 SEAL (SEE NOTE 9)
110 - 110 GPH (HIGH FLOW) (330 LPH)		W - ETHYLENE PROPYLENE - TYPE 21 SEAL -
125 - 125 GPH (HIGH FLOW) (375 LPH)		WRC APPROVED COMPOUND
140 - 140 GPH (HIGH FLOW) (425 LPH)		
SERIES 4 AND 5		
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)		
SERIES 6		
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)		

### NOTES:

- Brass pumps are NSF listed for potable water only. Stainless steel pumps are NSF listed for potable and carbonated water. (Nitrile elastomer only.)
- Bolt on model with .25" double flat drive for use in Japan only. (No NSF available.)
- Counterclockwise rotation not available for Series 1 pumps.
- For the Beverage Industry - the default relief valve pressure setting is 250 PSI.
- The relief valve pressure setting is not part of the model matrix number. It is for customer reference only.
- This pressure range is not available in valve configurations C, D, K or L.
- Passivation is defined as a passivated housing only. No other parts are passivated.
- The EP elastomer is no longer available for Series 6 pumps.
- Neoprene elastomer not available for the following relief valve configurations: C, D, F, 3, 4, 5, and 6.
- GPH rating at 60HZ (1750 RPM) - LPH rating at 50HZ (1400 RPM).
- Long clamp on pumps are series 1 and 4 only