

PROCON PRODUCTS

Series 1 - 6 Rotary Vane pumps - Model Number Matrix

1 1 1 A 100 F 1 1 A A 180		
PRODUCT CLASSIFICATION		PRESSURE SETTING (RELIEF VALVE) (SEE NOTE 5)
1 - ROTARY VANE PUMP		PRESSURE SETTING IN PSI (POUNDS PER SQ. IN.)
AGENCY APPROVALS		PRESSURE RANGE (RELIEF VALVE SPRING)
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		VALVE TYPE AND CONFIGURATION
SERIES		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
MOUNTING AND DRIVE CONFIGURATION		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)		CLEARANCES
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)		ROTATION / SLINGER / PASSIVATION / STRAINER
S - CLAMP ON WITH SINGLE FLAT DRIVE		1 - CLOCKWISE
T - BOLT ON WITH FAEMA STYLE MOUNT		2 - COUNTERCLOCKWISE
FLOWRATE (SEE NOTE 10)		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)		ELASTOMER
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:		
1. Brass pumps are NSF listed for potable water only. Stainless steel pumps are NSF listed for potable and carbonated water. (Nitrile elastomer only.)		
2. Bolt on model with .25" double flat drive for use in Japan only. (No NSF available.)		
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. No other parts are passivated.		
8. The EP elastomer is no longer available for Series 6 pumps.		
9. Neoprene elastomer not available for the following relief valve configurations: C, D, F, 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		