

PROCON PRODUCTS

Series 1 - 6 Rotary Vane pumps - Model Number Matrix

		1	1	A	100	F	1	A	A	180
PRODUCT CLASSIFICATION		1 - ROTARY VANE PUMP								
AGENCY APPROVALS		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								
SERIES		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 - 3/8 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 3/8 PORTS E - SERIES 5 STAINLESS STEEL- G 1/2 PORTS F - SERIES 7 BRASS MINI PRO - G 3/8 PORTS 8 - SERIES 8 STAINLESS STEEL - INTEGRAL STRAINER - G 3/8 PORTS								
MOUNTING AND DRIVE CONFIGURATION		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) P - CLAMP ON WITH 1143-3 OVERSIZE BRONZE COUPLING 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								
FLOWRATE (SEE NOTE 10)		SERIES 1, 2 AND 3 015 - 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 (HIGH FLOW) (330 LPH) 125 - 125 GPH (HIGH FLOW) (375 LPH) 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)								
		PRESSURE SETTING (RELIEF VALVE) (SEE NOTE 5) PRESSURE SETTING IN PSI (POUNDS PER SQ. IN.) PRESSURE RANGE (RELIEF VALVE SPRING) 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								
		VALVE TYPE AND CONFIGURATION 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								
		ROTATION / SLINGER / PASSIVATION / STRAINER 1 - CLOCKWISE 2 - COUNTERCLOCKWISE 3 - CLOCKWISE / SLINGER 4 - COUNTERCLOCKWISE / SLINGER								
		ELASTOMER 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								

NOTES:

- Brass pumps are NSF listed for potable water only. Stainless steel pumps are NSF listed for potable and carbonated water.
- Bolt on model with .25" double flat drive for use in Japan only. (No NSF.)
- 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.
- The EP and Neoprene elastomers are 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
- Series 6 pumps do not have a slinger.
- All longneck Series 1 pumps must have relief valve.
- Type "F" and "A" elastomers are NSF approved.
- Type "F" elastomer is TIFQ approved.
- Type "W" elastomer is WRAS approved.