

# PROCON PRODUCTS

## Gear Pumps - Model Number Matrix

5 1 A 1 A C F 2 G X F - - - 130

### PRODUCT CLASSIFICATION

5 - GEAR PUMP

### AGENCY APPROVALS

1 - NSF  
2 - WRC  
3 - NSF/TIFQ DM 174  
4 - NON NSF/WRC  
T - ICIM / MOCA

### MOTOR POWER AND VOLTAGE

9 - REFER TO THE LAST 3 DIGITS FOR THE MOTOR NUMBER  
A - 902 - 24VDC BRUSHLESS MOTOR  
E - 903 - 24VDC - 60W - MAG ONLY  
F - AAA - 24V DC MOTOR - 40W - CERAMIC  
G - AAB - 24V DC MOTOR - 60W - CERAMIC  
H - AAC - 24VDC BRUSHED - 20W - LOW PRESSURE - NEO  
J - AAI - 24VDC - 60W - LOW PRESS. - NEO - HARD BRUSHES - 90MM  
N - AAD - 24VDC - 40W - LOW PRESSURE - CERAMIC  
P - AAQ - 24VDC - 60W - LOW PRESSURE - CERAMIC  
Q - AAE - 24VDC BRUSHED - 40W - LOW PRESSURE - NEO  
R - AAF - 24VDC BRUSHED - 60W - LOW PRESSURE - NEO  
S - 947 - 24VDC BRUSHED - 60W - LOW PRESS. - NEO - PROTECTOR  
T - 941 - 24VDC BRUSHED - 60W W/PLUG - NEO - MAG ONLY  
U - 943 - 24VDC BRUSHED - 60W W/PLUG - CERAMIC - MAG ONLY  
V - 942 - 24VDC BRUSHED - 40W - LOW PRESS. - PROTECTOR  
W - 954 - 12VDC BRUSHED - 60W - LOW PRESSURE - NEO  
X - AAG - 24V DC BRUSHED - 40W - CERAMIC - CONNECTOR  
Y - 961 - 230VAC, 60W, 50HZ - STD  
Z - 962 - 230VAC, 60W, 50HZ - LOW PRESSURE

### CORD TYPE

1 - STANDARD  
2 - ALTERNATE CONFIGURATION

### HOUSING MATERIAL AND PORT CONFIGURATION

B - 304 STAINLESS STEEL WITH G 1/8 PORTS  
C - PLASTIC HOUSING WITH G 1/8 PORTS (N/A)  
D - 304 STAINLESS STEEL WITH 1/8" NPT PORTS (N/A)  
E - PLASTIC HOUSING WITH 1/8" NPT PORTS  
F - SS TRANSFER - LOW PRESSURE HSG - ONE - PIECE  
G - SS TRANSFER - LOW PRESSURE HSG - ONE - PIECE WITH RV  
H - PLASTIC HSG W/ G1/8 PORTS - LOW PRESSURE - 10MM GEAR  
J - PLASTIC HSG W/ G1/8 PORTS - LOW PRESSURE - 8.5MM GEAR  
K - PLASTIC HSG W/ G1/8 PORTS - LOW PRESSURE - 8.5MM GEAR W/ RV  
L - PLASTIC HSG W/ G1/8 PORTS - LOW PRESSURE - 10MM GEAR W/ RV  
M - ST. STL. HSG. 3/8 NPT - 19 MM GEAR  
P - ST. STL. HSG. G3/8 BSPP - LOW PRESSURE - 19 MM GEAR W/ RV  
Q - ST. STL. - FREESTYLE - 5 MM GEAR  
R - ST. STL. HSG W/ G1/8 PORTS - HELICAL GEAR  
S - ST. STL. HSG 3/8 NPT - ONE - PIECE  
X - ST. STL. HSG G1/4 BSPP PORTS  
Y - ST. STL. HSG 7/16-20 PORTS  
Z - ST. STL. HSG 12MM C'BORE PORTS

### NOTES:

1. (N/A) - NOT AVAILABLE AT THIS TIME
2. WRC - AVAILABLE FOR ETHYLENE PROPYLENE ELASTOMER ONLY
3. FLUOROCARBON ELASTOMER IS USED ONLY FOR NON NSF/WRC PUMPS
4. (DELETED 1/24/2019)
5. NSF - AVAILABLE FOR "F, T, and C" ELASTOMERS ONLY.
6. NSF - AVAILABLE FOR "G" SEAL ONLY AT THIS TIME.
7. THE TRANSFER PUMP (ONE PIECE HOUSING) IS FOR LOW PRESSURE ONLY. MAX PRESSURE CANNOT EXCEED 3 BAR (43.5 PSI).
8. THE LOW PRESSURE PUMP WITH RV HAS A BALL VALVE OPTION ONLY.
9. USE "T" FOR ALL NEW MODEL NUMBERS.
10. THE RELIEF VALVE SETTING IS NOT PART OF THE MODEL NUMBER. THIS IS FOR CUSTOMER REFERENCE ONLY.

Drawing #2187 Rev AA  
Revised: BSW\_09-07-21  
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ECN #C4219

### PRESSURE SETTING (RELIEF VALVE) (SEE NOTE 10) PRESSURE SETTING IN PSI (POUNDS PER SQ. IN.)

### ONLY WHEN #9 IS USED - PLACE MOTOR DESIGNATION HERE

AAH - 24VDC, 40W, (CER), CONNECTOR  
AAJ - 24VDC, 20W, (NEO) 90MM LONG  
AAK - 24VDC, 40W, (NEO) 90MM LONG  
AAL - 24VDC, 60W, (NEO) 90MM LONG  
AAM - 24VDC, 50W, (NEO) 115MM LONG, CONNECTOR, FERRITE  
AAN - 24VDC, 40W, (CER) 115MM LONG, CONNECTOR, FERRITE  
AAP - 24VDC, 40W, (NEO) 85MM LONG, IP55  
992 - 230VAC, 80W, 50/60 HZ  
ABJ - 48VDC, 250W, BL W/CONTROLLER  
ABN - 24VDC, 150W, BL W/CONTROLLER  
ABQ - 24VDC, 40W (NEO)  
XXX - NO MOTOR

### PRESSURE RANGE (RELIEF VALVE SPRING)

F - 71 TO 175 PSI - DEFAULT SETTING 130 PSI  
5 TO 12 BAR - DEFAULT SETTING 9 BAR  
G - 30 TO 70 PSI - DEFAULT SETTING 50 PSI  
2 TO 5 BAR - DEFAULT SETTING 3.5 BAR  
X - NO RELIEF VALVE

### NOT USED

X - RESERVED FOR FUTURE USE

### SEAL STYLE

M - MAG DRIVE WITH NICKEL COATED NEO INNER MAGNET  
P - MAG DRIVE WITH PPS COATED NEO INNER MAGNET  
G - POSITIVE DRIVE SEAL - CARBON  
S - POSITIVE DRIVE SEAL - SILICONE CARBIDE  
T - LIP SEAL

### ROTATION

1 - CLOCKWISE (N/A)  
2 - COUNTERCLOCKWISE (CCW)

### ELASTOMER

F - SAME AS T - DO NOT USE (SEE NOTE 9)  
G - SAME AS T - DO NOT USE (SEE NOTE 9)  
R - FLUOROCARBON with EPDM (291) SEAL  
T - FDA GRADE EPDM O-RINGS AND SILICON CARBIDE / CARBON SEAL  
C - SAME AS T - DO NOT USE (SEE NOTE 9)  
V - FLUOROCARBON WITH FLUOROCARBON SEAL  
X - FLUOROPRENE XP 41 WITH EPDM (291) SEAL  
Z - EPDM WITH NITRILE LIP SEAL

### FLOWRATE

B - 13 Tooth x 8.5mm - CF PEEK  
C - 13 Tooth x 10mm - CF PEEK  
E - 12 Tooth x 19mm - CF PEEK  
F - 13 Tooth x 5mm - GF PEEK  
G - 9 Tooth x 9mm - GF PEEK  
H - 9 Tooth x 5mm - GF PEEK  
J - 9 Tooth x 3mm - GF PEEK