

# PROCON® Products

## Micro PRO Espresso Pump

- STAINLESS STEEL CONSTRUCTION
- 170mm IN LENGTH
- PATENTED TWIN CAVITY PUMPING TECHNOLOGY
- PATENTED CAM RING TECHNOLOGY
- 8 VANES FOR LOW PULSATION
- 24V DC BRUSHLESS VARIABLE SPEED MOTOR
- PORTS G1/8" OR 1/8" NPT
- NITRILE, FLUOROCARBON OR EP ELASTOMERS AVAILABLE
- UP TO 40 LPH @ 9 BAR



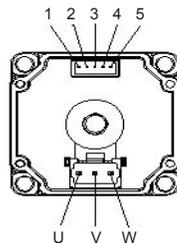
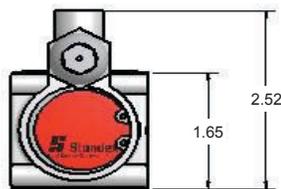
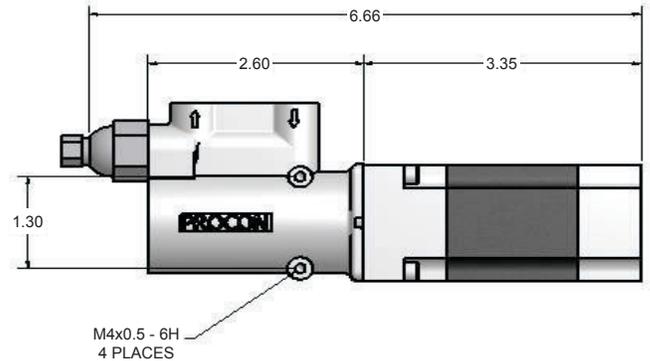
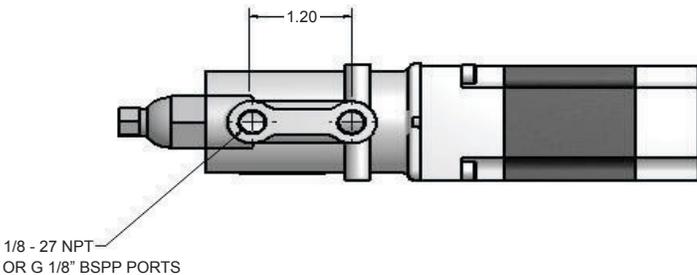
### SPECIFICATIONS

#### PUMP

Flow Characteristics	See Curve
Max Continuous Operating Pressure	10 Bar
Max Relief Valve Setting	14 Bar
Relief Valve Construction	See Model Matrix
Suction lift	1 meter
Maximum Inlet Pressure	7 Bar

#### MOTOR

Type	Brushless DC	Sound Level	55 dBA
Motor Voltage	24V DC	Insulation Class	B
Amps	See Curve	Thermally Protected	
Bearings	BALL/BALL	Max Ambient temperature	40 C
Speed	See Curve	Unit Weight	1 kg



#### MOTOR CONNECTION

PIN	SIGNAL CONNECTOR
1	POWER SUPPLY +24 V
2	POWER SUPPLY GND
3	HALL U
4	HALL V
5	HALL W

#### MOTOR CONNECTION

PIN	MOTOR PLUG
U	MOTOR
V	MOTOR
W	MOTOR

## PROCON® Products

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**"QUALITY PRODUCTS,  
DELIVERED ON TIME"**



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## Micro PRO Espresso Pump

6 1 A 1 D C E 1 E B X 130

### PRODUCT CLASSIFICATION

6 - 3/16" VANE PUMP

### AGENCY APPROVALS

- 1 - NSF
- 2 - WRC
- 3 - NSF/WRC
- 4 - NON NSF/WRC

### MOTOR POWER AND VOLTAGE

- A - BDM4542S0036 MODIFIED DC MOTOR
- B - BRUSHED 24V DC MOTOR
- C - BRUSHED 230V AC MOTOR

### CORD TYPE

- 1 - STANDARD
- 2 - ALTERNATE CONFIGURATION

### HOUSING MATERIAL AND PORT CONFIGURATION

- A - STAINLESS STEEL WITH G 1/8" PORTS (SPCL).
- B - LOW LEAD BRASS WITH B 1/8" PORTS (N/A)
- C - LOW LEAD BRASS WITH 1/8" NPT PORTS (N/A)
- D - STAINLESS STEEL HOUSING WITH G 1/8" PORTS (STD.)
- E - STAINLESS STEEL HOUSING WITH 1/8" NPT PORTS (STD.)

### FLOW RATE

- A -
- B -
- C - 25 GPH
- D -

### PRESSURE SETTING (RELIEF VALVE)

PRESSURE SETTING IN PSI (POUNDS PER SQ. IN.)

NOT USED

X - VANE STYLE WITH MECHANICAL SEAL

### PRESSURE RANGE (RELIEF VALVE SPRING)

- A - 151 TO 180 PSI - DEFAULT SETTING 180 PSI
- B - 100 TO 150 PSI - DEFAULT SETTING 130 PSI
- C - 60 TO 99 PSI - DEFAULT SETTING 99 PSI
- D - 30 TO 59 PSI - DEFAULT SETTING 50 PSI

### VALVE TYPE AND CONFIGURATION

- A - PLASTIC, HI TEMP-BYPASS
- B - PLASTIC, HI TEMP-SOLID
- C - PLASTIC, HI TEMP BALANCED BYPASS
- D - PLASTIC, HI TEMP BALANCED SOLID
- F - PLASTIC, HI TEMP-EXTERNAL ADJUST BYPASS
- G - PLASTIC, HI TEMP-EXTERNAL ADJUST SOLID
- P - BRASS, HI TEMP-SOLID
- R - STAINLESS STEEL, HI TEMP-SOLID

### ROTATION

- 1 - CLOCKWISE
- 2 - COUNTERCLOCKWISE

### ELASTOMER

- F - FDA GRADE NITRILE
- G - ETHYLENE PROPYLENE
- R - FLUOROCARBON

### NOTES:

(N/A) - NOT AVAILABLE AT THIS TIME

NSF - AVAILABLE ONLY FOR NITRILE ELASTOMER ONLY.

WRC - AVAILABLE FOR ETHYLENE PROPYLENE ELASTOMER ONLY

FLUOROCARBON ELASTOMER IS USED ONLY FOR NON NSF/WRC PUMPS

PSI SETTING - THE RELIEF VALVE SETTING IS NOT A PART OF THE MODEL NUMBER AND IS FOR CUSTOMER REFERENCE ONLY.

ONLY VALVE OPTIONS AVAILABLE FOR THIS UNIT ARE B, D, AND G.

