Series 5800 Pump
Model: 58XX-7X01-B664
Flow Range: Open Flow = .75-1.50 GPM
At 70 PSI = .50-1.10 GPM

COMPLETING THE PART NUMBER:
- Steel Mounting Plate (Other Types Available)
- Desired Shut-off Pressure & Code
  - A = 30PSI
  - B = 40PSI
  - C = 45PSI
  - D = 50PSI
  - E = 60PSI
  - F = 70PSI
- 70 PSI Pressure Switch Limit (Maximum Flow Components)
- Select Pumphead Model From Performance Data Chart
- 3 = Open Ports for 3/8” Compression Fitting
- 5 = Push-to-Connect Ports for 3/8” Tubing

SPECIFICATIONS:
- **MOTOR**: 12 VDC, Permanent Magnet, Totally Enclosed, Non-Ventilated
- **LEADS**: 14 AWG, 12” LONG
- **TEMP. LIMITS**: This Motor is Not Equipped with Thermal Protection. For User Safety, Optimal Performance, and Maximum Motor Life, The Motor Surface Temperature Should Not Exceed 150°F (66°C), as Shown on the Heat Rise Graph.
- **DUTY CYCLE**: See Heat Rise Graph

- **PUMP DESIGN**: 3 Chamber Diaphragm Pump, Self Priming, Capable of Being Run Dry
- **TYPICAL APPLICATION**: Industrial Grade Water Transfer
- **MATERIALS**:
  - **HOUSINGS**: Nylon
  - **VALVES**: EPDM
  - **DIAPHRAGM**: Santoprene
  - **FASTENERS**: Stainless Steel
- **LIQUID TEMPERATURE**: 170°F (77°C) Max.
- **PUMP CERTIFICATIONS**: NSF Standard 58
- **PRIMING CAPABILITIES**:
  - | PRIME (FEET) | 5 | 6 | 7 | 10 | 12 |
  - | 58X0 | 58X1 | 58X2 | 58X3 | 58X4 |
- **FITTINGS**:

<table>
<thead>
<tr>
<th>TYPE</th>
<th>SHAPE</th>
<th>KIT NO.</th>
<th>CONNECTS TO…</th>
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<tbody>
<tr>
<td>3/8&quot; COMPRESSION</td>
<td>STRAIGHT</td>
<td>25-145</td>
<td>3/8&quot; TUBING</td>
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<tr>
<td>3/8&quot; COMPRESSION</td>
<td>ELBOW</td>
<td>25-146</td>
<td>3/8&quot; TUBING</td>
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<tr>
<td>3/8&quot; STEM</td>
<td>STRAIGHT</td>
<td>25-144</td>
<td>3/8&quot; JOHN GUEST PUSH-ON FITTING</td>
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</table>

WEIGHT: 6 lbs.
PERFORMANCE DATA

<table>
<thead>
<tr>
<th>PRESSURE (PSI)</th>
<th>58X0</th>
<th>58X1</th>
<th>58X2</th>
<th>58X3</th>
<th>58X4</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FLOW (GPM)</td>
<td>CURRENT (AMPS)</td>
<td>FLOW (GPM)</td>
<td>CURRENT (AMPS)</td>
<td>FLOW (GPM)</td>
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<tr>
<td>70</td>
<td>0.50</td>
<td>2.60</td>
<td>0.60</td>
<td>3.30</td>
<td>0.86</td>
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<tr>
<td>60</td>
<td>0.52</td>
<td>2.50</td>
<td>0.65</td>
<td>3.10</td>
<td>0.90</td>
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<tr>
<td>50</td>
<td>0.56</td>
<td>2.20</td>
<td>0.70</td>
<td>2.80</td>
<td>0.94</td>
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<tr>
<td>40</td>
<td>0.60</td>
<td>2.00</td>
<td>0.75</td>
<td>2.50</td>
<td>0.96</td>
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<tr>
<td>30</td>
<td>0.65</td>
<td>1.80</td>
<td>0.80</td>
<td>2.10</td>
<td>0.98</td>
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<tr>
<td>20</td>
<td>0.68</td>
<td>1.60</td>
<td>0.81</td>
<td>1.80</td>
<td>1.00</td>
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<tr>
<td>10</td>
<td>0.74</td>
<td>1.45</td>
<td>0.85</td>
<td>1.60</td>
<td>1.06</td>
</tr>
<tr>
<td>OPEN</td>
<td>0.75</td>
<td>1.40</td>
<td>0.87</td>
<td>1.50</td>
<td>1.10</td>
</tr>
</tbody>
</table>

PERFORMANCE MEASURED WITH FLOODED INLET (0 PSI), 70°F (21°C) AMBIENT AND WATER TEMPERATURE, AND VOLTAGE CONTROLLED AT 12 VDC. POSITIVE INLET PRESSURE WILL INCREASE THE DISCHARGE PRESSURE BY A SIMILAR AMOUNT, FOR A GIVEN FLOW. MAXIMUM INLET PRESSURE IS 60 PSI.

SHARED AREA DENOTES CONTINUOUS OPERATION CAPABILITY AT DESIGNATED PRESSURE AND CURRENT.

HEAT RISE

All of the pump models in the Performance Data and Heat Rise charts are in the shaded area, meaning they are capable of sustaining continual running, at any of the above listed pressures, without shutting down to allow the motor to cool. To conserve wearing parts, however, the pump should only operate as needed.

ALL PERFORMANCE AND HEAT RISE FIGURES ARE APPROXIMATE. ACTUAL VALUES WILL VARY WITH AMBIENT CONDITIONS.