Series 5800 Pump
Model: 58XX-7X01-B424
Flow Range: Open Flow = .55-.95 GPM
At 70 PSI = .29-.50 GPM

COMPLETING THE PART NUMBER:
58XX-7X01-B424

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:
  TYPE: 24 VAC, Permanent Magnet, Totally Enclosed, Non-Ventilated
  LEADS: 20 AWG, 6” 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. See 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:

<table>
<thead>
<tr>
<th>PRIME (FEET)</th>
<th>58X0</th>
<th>58X1</th>
<th>58X2</th>
<th>58X3</th>
<th>58X4</th>
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</thead>
<tbody>
<tr>
<td>5</td>
<td>5</td>
<td>5.5</td>
<td>6</td>
<td>9</td>
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- 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” COMPRESSION</td>
<td>STRAIGHT</td>
<td>25-145</td>
<td>3/8” TUBING</td>
</tr>
<tr>
<td>3/8” COMPRESSION</td>
<td>ELBOW</td>
<td>25-146</td>
<td>3/8” TUBING</td>
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<tr>
<td>3/8” STEM</td>
<td>STRAIGHT</td>
<td>25-144</td>
<td>3/8” JOHN GUEST PUSH-ON FITTING</td>
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WEIGHT: 6 lbs.
## Series 5800 Pump
Model: 58XX-7X01-B424

### Performance Data

<table>
<thead>
<tr>
<th>Pressure (PSI)</th>
<th>58X0 Flow (GPM)</th>
<th>58X0 Current (AMPS)</th>
<th>58X1 Flow (GPM)</th>
<th>58X1 Current (AMPS)</th>
<th>58X2 Flow (GPM)</th>
<th>58X2 Current (AMPS)</th>
<th>58X3 Flow (GPM)</th>
<th>58X3 Current (AMPS)</th>
<th>58X4 Flow (GPM)</th>
<th>58X4 Current (AMPS)</th>
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<tbody>
<tr>
<td>70</td>
<td>0.29</td>
<td>1.08</td>
<td>0.33</td>
<td>1.27</td>
<td>0.40</td>
<td>1.55</td>
<td>0.46</td>
<td>1.77</td>
<td>0.50</td>
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<td>60</td>
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<td>0.37</td>
<td>1.18</td>
<td>0.45</td>
<td>1.41</td>
<td>0.50</td>
<td>1.62</td>
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<td>50</td>
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<td>1.07</td>
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<td>1.28</td>
<td>0.56</td>
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<td>0.61</td>
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<td>0.52</td>
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<td>0.90</td>
<td>0.80</td>
<td>0.95</td>
<td>0.85</td>
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</table>

Performance measured with flooded inlet (0 PSI), 70°F (21°C) ambient and water temperature, and voltage controlled at 24 VAC. Positive inlet pressure will increase the discharge pressure by a similar amount, for a given flow. Maximum inlet pressure is 60 PSI.

Shaded area denotes continuous operation capability at designated pressure and current.

### Heat Rise

![Heat Rise Graph](image)

Recommended shut-off temperature is 1.92 AMPS.

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.

Care should be exercised in selecting the proper transformer for this 24 VAC motor. The largest “wall mount” transformer from Aquatec is only rated to .80 amps. Aquatec’s “table top” transformer is rated to 2.00 amps. By-Pass pressures must also be considered when selecting a suitable transformer, in the event the pump is allowed to reach the preset by-pass pressure for sustained periods.

All performance and heat rise figures are approximate. Actual values will vary with ambient conditions.