Series 7800 Pump
Model: 786X-7X01-B744
Flow Range: Open Flow = .77-1.38 GPM
At 70 PSI = .44-.97 GPM

COMPLETING THE PART NUMBER:
786X-7X01-B744
Steel Mounting Plate (Other Types Available)
Desired Shut-off Pressure & Code
A = 30PSI  C = 45PSI  E = 60PSI
B = 40PSI  D = 50PSI  F = 70PSI
70 PSI Pressure Switch Limit (Maximum Flow Components)
Select Pumphead Model From Performance Data Chart
Quick Disconnect Ports for Barb Fittings

SPECIFICATIONS:
- **MOTOR:**
  - TYPE: 12 VDC, Permanent Magnet, Totally Enclosed, Non-Ventilated
  - LEADS: 14 AWG, 12" LONG
  - TEMP. LIMITS: For User Safety, Optimal Performance, and Maximum Motor Life, This Motor is Equipped with a Thermal Protector that Limits the Motor Shell Temperature to 145°F (63°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): 4.5 5.5 7 8 9.5
- **FITTINGS:**

WEIGHT: 6 lbs.

Aquatec International, Inc.
17422 Pullman Street, Irvine, CA 92614
Sales: 949-225-2200 Fax: 949-225-2222
www.aquatec.com
**Series 7800 Pump**  
Model: 786X-7X01-B744

## PERFORMANCE DATA

<table>
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<tr>
<th>DISCHARGE PRESSURE (PSI)</th>
<th>PUMPHEAD MODEL</th>
<th>FLOW (GPM)</th>
<th>CURRENT (AMPS)</th>
<th>FLOW (GPM)</th>
<th>CURRENT (AMPS)</th>
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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.

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

![HEAT RISE](chart.png)

**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.