Not all boosting applications require complicated boosting systems. The DuraMAC™ Boosting system is simple, versatile, sophisticated, and reliable. Quite simply, it is the world's most versatile boosting system for commercial or irrigation use.

**DuraMAC™ Performance (Additional Boost)**

<table>
<thead>
<tr>
<th>Flow GPM</th>
<th>Pressure PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>10</td>
<td>2</td>
</tr>
<tr>
<td>20</td>
<td>4</td>
</tr>
<tr>
<td>30</td>
<td>6</td>
</tr>
<tr>
<td>40</td>
<td>8</td>
</tr>
<tr>
<td>50</td>
<td>10</td>
</tr>
<tr>
<td>60</td>
<td>12</td>
</tr>
<tr>
<td>70</td>
<td>14</td>
</tr>
</tbody>
</table>

- Easy set-up installation
- Digital control with dual modes of operation
- Durable stainless steel and no-lead brass connections
- TEFC single phase motor for quiet operation
- Electronics separated and sealed from waterway
- Pressure gauge included
- No-Lead brass check valve included (Meets no-lead compliance)

Pressure tank required. See instruction manual for sizing information.
*Many plumbing codes do not recommend system pressure exceeding 80 PSI. Refer to local plumbing codes for maximum boosted pressure.

**SUBMITTAL INFORMATION**

- NO-LEAD: The weighted average of the wetted surface of this no-lead product contacted by consumable water contains less than one quarter (0.25%) lead.

A.Y. McDonald considers the information on this assembly drawing correct when published. Item and option availability, including specifications, are subject to change without notice.

Submitted by:
DuraMAC™ Booster Pumps
Residential  |  Light Commercial  |  Commercial

DuraMAC™ - Dual-Mode Modular

Control Features
The DuraMAC™ Dual-Mode control has the flexibility to be run in two different modes.

**PRESSURE MODE**
- **START METHOD:** Pressure Drop
- **STOP METHOD:** Low Flow

In Pressure Mode, the control accurately measures pressure with a pressure transducer and starts the pump at an adjustable start pressure point. The pump will stop when the flow is less than 3 Gallons per Minute.

This smart system will only run the pump when water is in use. There is a preset 7 second delay after water is not flowing past the flow sensor to fully pressurize your system and eliminate water hammer.

**FLOW MODE**
- **START METHOD:** Water Flow
- **STOP METHOD:** Low Flow

In Flow Mode, the control will start and stop on flow, regardless of pressure. This method can be used for systems with minor leaking or when incoming pressure varies. The starting flow rate is approximately 5 Gallons per Minute. The pump will stop when the flow is less than 3 Gallons per Minute.

Materials of Construction

<table>
<thead>
<tr>
<th>Item</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impellers</td>
<td>304 Stainless Steel</td>
</tr>
<tr>
<td>Pump Casing Inlet</td>
<td>301 Stainless Steel</td>
</tr>
<tr>
<td>Pump Casing Outlet</td>
<td>301 Stainless Steel</td>
</tr>
<tr>
<td>Pump Seal (stationary)</td>
<td>Silicon Carbide</td>
</tr>
<tr>
<td>Pump Seal (rotating)</td>
<td>Carbon / NBR</td>
</tr>
<tr>
<td>Diffuser</td>
<td>304 Stainless Steel</td>
</tr>
<tr>
<td>Union Connection</td>
<td>No-Lead Brass</td>
</tr>
<tr>
<td>Check Valve</td>
<td>No-Lead Brass</td>
</tr>
<tr>
<td>Pump Control</td>
<td>No-Lead Brass</td>
</tr>
<tr>
<td>Motor - Single Phase</td>
<td>2 HP TEFC</td>
</tr>
</tbody>
</table>

Dual-Mode Modular Shown. Skid mounted Simplex and Duplex available.

NO-LEAD: The weighted average of the wetted surface of this no-lead product contacted by consumable water contains less than one quarter of one percent (0.25%) lead.

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www.aymcdonald.com

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Submitted by:
DuraMAC™ Booster Pumps
Residential | Light Commercial | Commercial

DuraMAC™ - Dual-Mode Simplex

Not all boosting applications require complicated boosting systems. The DuraMAC™ Boosting system is simple, versatile, sophisticated, and reliable. Quite simply, it is the world's most versatile boosting system for commercial or irrigation use.

**DuraMAC™ Performance (Additional Boost)**

<table>
<thead>
<tr>
<th>Flow GPM</th>
<th>Pressure PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>30</td>
<td>30</td>
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<tr>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>70</td>
<td>70</td>
</tr>
</tbody>
</table>

Additional Boost:
- +44 PSI
- +60 PSI

- Easy set-up installation
- Digital control with dual modes of operation
- Durable stainless steel and no-lead brass connections
- TEFC single phase motor for quiet operation
- Electronics separated and sealed from waterway
- Pressure gauge included

**70 Gallon/Minute (GPM) Max**

<table>
<thead>
<tr>
<th>DuraMAC™ Model</th>
<th>Description</th>
<th>Pump Boost</th>
<th>Amps</th>
<th>Voltage</th>
<th>Power</th>
<th>Pressure Reducing Valve recommended for installation with incoming pressure greater than:</th>
</tr>
</thead>
<tbody>
<tr>
<td>17044C070PC2-S</td>
<td>230V Booster System</td>
<td>44 PSI</td>
<td>7.0</td>
<td>230 - 60 Hz</td>
<td>2 HP</td>
<td>36 PSI</td>
</tr>
<tr>
<td>17060C070PC2-S</td>
<td>230V Booster System</td>
<td>60 PSI</td>
<td>8.0</td>
<td>230 - 60 Hz</td>
<td>2 HP</td>
<td>20 PSI</td>
</tr>
</tbody>
</table>

Pressure tank required. See instruction manual for sizing information.
*Many plumbing codes do not recommend system pressure exceeding 80 PSI. Refer to local plumbing codes for maximum boosted pressure.*

**SUBMITTAL INFORMATION**

- Easy set-up installation
- Digital control with dual modes of operation
- Durable stainless steel and no-lead brass connections
- TEFC single phase motor for quiet operation
- Electronics separated and sealed from waterway
- Pressure gauge included

- No-Lead brass check valve included
- Up to 70 GPM
- 20 gallon pressure tank
- Stainless steel base
- Dry run protection

*NO-LEAD: The weighted average of the wetted surface of this no-lead product contacted by consumable water contains less than one quarter (0.25%) lead.*

A.Y. McDonald considers the information on this assembly drawing correct when published. Item and option availability, including specifications, are subject to change without notice.

Submitted by:
**Control Features**

The DuraMAC™ Dual-Mode control has the flexibility to be run in two different modes.

**PRESSURE MODE**

- **START METHOD:** Pressure Drop
- **STOP METHOD:** Low Flow

In Pressure Mode, the control accurately measures pressure with a pressure transducer and starts the pump at an adjustable start pressure point. The pump will stop when the flow is less than 3 Gallons per Minute.

This smart system will only run the pump when water is in use. There is a preset 7 second delay after water is not flowing past the flow sensor to fully pressurize your system and eliminate water hammer.

**FLOW MODE**

- **START METHOD:** Water Flow
- **STOP METHOD:** Low Flow

In Flow Mode, the control will start and stop on flow, regardless of pressure. This method can be used for systems with minor leaking or when incoming pressure varies. The starting flow rate is approximately 5 Gallons per Minute. The pump will stop when the flow is less than 3 Gallons per Minute.

**Materials of Construction**

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<td>Silicon Carbide</td>
</tr>
<tr>
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<tr>
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<tr>
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<td>No-Lead Brass</td>
</tr>
<tr>
<td>Check Valve</td>
<td>No-Lead Brass</td>
</tr>
<tr>
<td>Pump Control</td>
<td>No-Lead Brass</td>
</tr>
<tr>
<td>Motor - Single Phase</td>
<td>2 HP TEFC</td>
</tr>
<tr>
<td>Base</td>
<td>304 Stainless Steel</td>
</tr>
</tbody>
</table>

**Simplex base mounted with 20 gallon tank.**

NO-LEAD: The weighted average of the wetted surface of this no-lead product contacted by consumable water contains less than one quarter of one percent (0.25%) lead.

---

A.Y. McDonald Mfg. Co.

15000 PC2 DuraMAC PUMP CONTROL

230VAC 60HZ 8 FLA 48 LRA

PUMP STARTS ON PRESSURE PUMP STOPS ON LOW FLOW
START PRESSURE INSTRUCTIONS UNDER ROUND COVER
TO CLEAR A FAULT, CHECK FOR FLOW, THEN DECREASE
START PRESSURE AND PUSH RESET
AIR PRESSURE IN TANK SHOULD BE 2 PSI LESS THAN
START PRESSURE FOR INDOOR USE ONLY

WWW.AYBOOSTERS.COM

---

Simplex base mounted with 20 gallon tank.

NO-LEAD: The weighted average of the wetted surface of this no-lead product contacted by consumable water contains less than one quarter of one percent (0.25%) lead.

---

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Submitted by:
Not all boosting applications require complicated boosting systems. The DuraMAC™ Boosting system is simple, versatile, sophisticated, and reliable. Quite simply, it is the world’s most versatile boosting system for commercial or irrigation use.

**DuraMAC™ Performance (Additional Boost - Both Pumps Running)**

<table>
<thead>
<tr>
<th>Pressure PSI</th>
<th>Flow GPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>+60 PSI</td>
<td>120 GPM</td>
</tr>
<tr>
<td>+44 PSI</td>
<td>120 GPM</td>
</tr>
</tbody>
</table>

**120 Gallon/Minute (GPM) Max**

<table>
<thead>
<tr>
<th>DuraMAC™ Model</th>
<th>Description</th>
<th>Pump Boost</th>
<th>Amps</th>
<th>Voltage</th>
<th>Power</th>
<th>Pressure Reducing Valve recommended for installation with incoming pressure greater than:</th>
</tr>
</thead>
<tbody>
<tr>
<td>17044C120PC2-D</td>
<td>230V Booster System</td>
<td>44 PSI</td>
<td>7.0</td>
<td>230 - 60 Hz</td>
<td>2 HP</td>
<td>36 PSI</td>
</tr>
<tr>
<td>17060C120PC2-D</td>
<td>230V Booster System</td>
<td>60 PSI</td>
<td>8.0</td>
<td>230 - 60 Hz</td>
<td>2 HP</td>
<td>20 PSI</td>
</tr>
</tbody>
</table>

Pressure tank required. See instruction manual for sizing information.

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**SUBMITTAL INFORMATION**

- Easy set-up installation
- Digital control with dual modes of operation
- Durable stainless steel and no-lead brass connections
- TEFC single phase motor for quiet operation
- Electronics separated and sealed from waterway
- Pressure gauge included
- No-Lead brass check valve included
- Designed for Lead-Lag
- Up to 120 GPM
- 20 gallon pressure tank
- Stainless steel base
- Dry run protection

NO-LEAD: The weighted average of the wetted surface of this no-lead product contacted by consumable water contains less than one quarter (0.25%) lead.

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Submitted by:
DuraMAC™ Booster Pumps
Residential  |  Light Commercial  |  Commercial

DuraMAC™ - Dual-Mode Duplex

Control Features
The DuraMAC™ Dual-Mode control has the flexibility to be run in two different modes.

**PRESSURE MODE**
START METHOD: Pressure Drop
STOP METHOD: Low Flow
In Pressure Mode, the control accurately measures pressure with a pressure transducer and starts the pump at an adjustable start pressure point. The pump will stop when the flow is less than 3 Gallons per Minute.
This smart system will only run the pump when water is in use. There is a preset 7 second delay after water is not flowing past the flow sensor to fully pressurize your system and eliminate water hammer.

**FLOW MODE**
START METHOD: Water Flow
STOP METHOD: Low Flow
In Flow Mode, the control will start and stop on flow, regardless of pressure. This method can be used for systems with minor leaking or when incoming pressure varies. The starting flow rate is approximately 5 Gallons per Minute. The pump will stop when the flow is less than 3 Gallons per Minute.

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<td>Pump Casing Outlet</td>
<td>301 Stainless Steel</td>
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<tr>
<td>Pump Seal (stationary)</td>
<td>Silicon Carbide</td>
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<td>Pump Seal (rotating)</td>
<td>Carbon / NBR</td>
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<td>Pump Control</td>
<td>No-Lead Brass</td>
</tr>
<tr>
<td>Motor - Single Phase</td>
<td>2 HP TEFC</td>
</tr>
<tr>
<td>Base</td>
<td>304 Stainless Steel</td>
</tr>
</tbody>
</table>

Duplex base mounted with 20-gallon tank 2” NPT manifolds with ball valves.

NO-LEAD: The weighted average of the wetted surface of this no-lead product contacted by consumable water contains less than one quarter of one percent (0.25%) lead.

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