

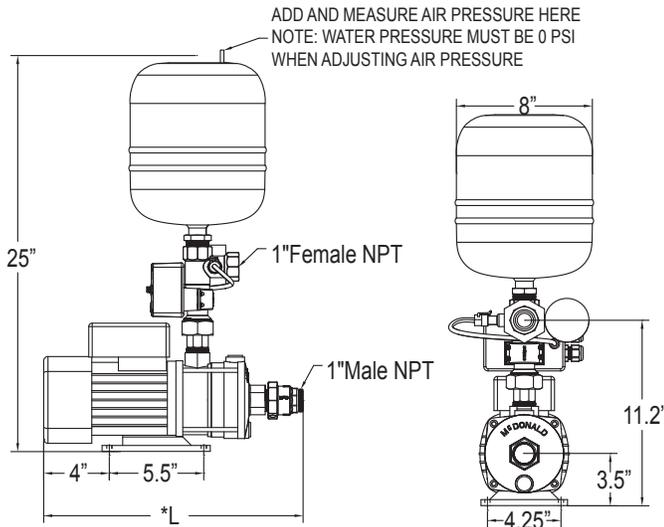
SUBMITTAL DATA SHEET

DuraMAC™ Booster Pumps Residential | Light Commercial | Commercial **DuraMAC™ - Residential Booster**

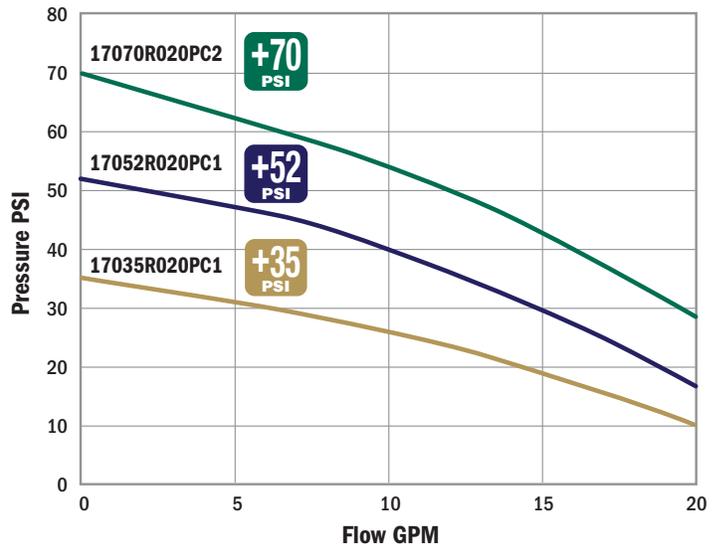


See Pumps & Accessories Price List for Limited Warranty details.

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.



*See chart below



20 Gallon/Minute (GPM) Max

DuraMAC™ Model	Pump Boost	Amps	Length "L"	Voltage	Power	Pressure Reducing Valve recommended for installation with incoming pressure greater than:
17035R020PC1	35 PSI	5.5	15.26"	120 - 60 Hz	1/2 HP	45 PSI
17052R020PC1	52 PSI	7.0	15.97"	120 - 60 Hz	3/4 HP	28 PSI
17070R020PC2	70 PSI	4.0	16.68"	230 - 60 Hz	1 HP	10 PSI (For use with holding tank)

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

- Water Pressure Boosting System for irrigation or light commercial use
- Easy set-up installation
- Digital control for three modes of operation
- Durable stainless steel and no-lead brass connections
- Two gallon pressure tank included
- TEFC single phase motor for quiet operation
- Electronics separated and sealed from waterway
- Pressure gauge included
- No-Lead brass check valve included
- 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 of one percent (0.25%) lead.



A.Y. McDonald Mfg. Co.
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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:

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Sizing Information

DuraMAC™ Booster Systems are designed to shut off when no flow is detected. Pump pressure boost should be added to current system pressure to determine total system pressure when boosted.

Example:
Household system pressure before boost = 30 PSI

30	+	=	=	*
Household Pressure			Total Pump Pressure	Total Pressure After Boost

*Not Recommended to Exceed 80 PSI

- Models Available: Boost**
- 17035R020PC1 +35
 - 17052R020PC1 +52
 - 17070R020PC2 +70

30	+	35	=	65
Household Pressure		Total Pump Pressure		Total Pressure After Boost

Based on this example, the recommended model for this application is the 17035R020PC1.

For systems with fluctuating pressure, a pressure reducing valve is recommended to assure system pressure stays below 80 PSI.

Sizing Chart

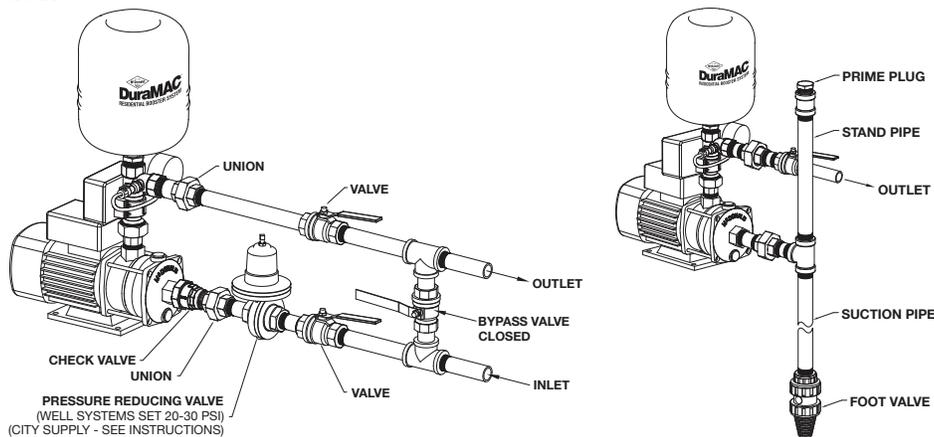
Total static pressure DuraMAC™ pump

Incoming Pressure (PSI)	17035R020PC1 +35	17052R020PC1 +52	17070R020PC2 +70
60			
55	90		
50	85		
45	80		
40	75		
35	70	87	
30	65	82	
25	60	77	
20	55	72	90
15	50	67	85
10	45	62	80

Materials of Construction

Impellers	304 Stainless Steel
Pump Casing Inlet	301 Stainless Steel
Pump Casing Outlet	301 Stainless Steel
Pump Seal (stationary)	Silicon Carbide
Pump Seal (rotating)	Carbon / NBR
Diffuser	304 Stainless Steel
Suction Check Valve	No-Lead Brass
Pump Control Body	No-Lead Brass

Typical Installation



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