

DuraMAC™ - Residential Booster

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 residential use.

Features:

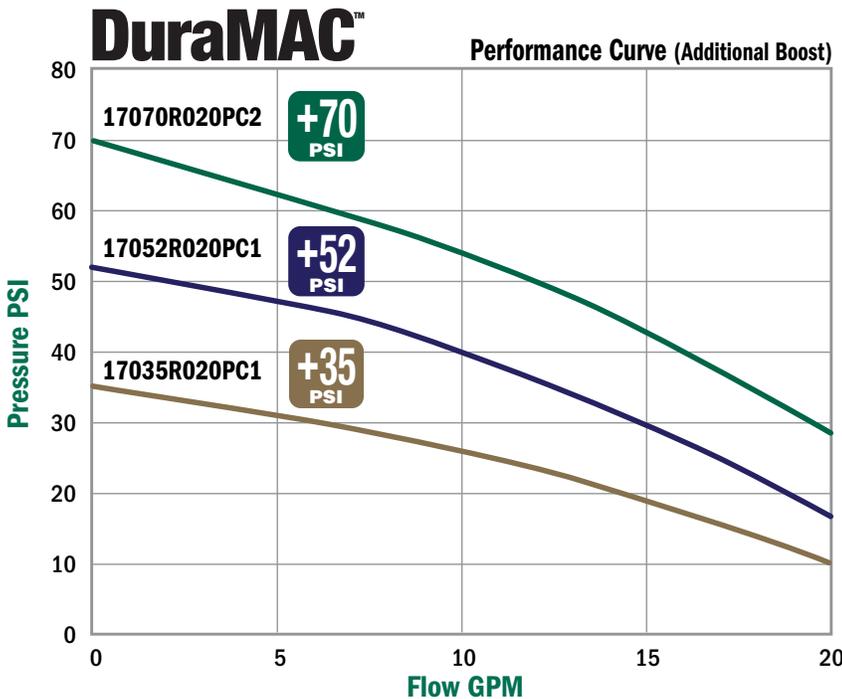
- Easy set-up installation
- Digital control for three modes of operation
- Durable stainless steel and no-lead brass connections
- Two gallon pressure tank included
- TEFC single phase motor for quiet operation
- Electronics separated and sealed from waterway
- Pressure gauge included
- No-Lead brass check valve included
- Dry-Run protection



See Pumps & Accessories Price List for Limited Warranty details.



DuraMAC™ Booster Pumps



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:	Wt.
17035R020PC1	35 PSI	5.5	15.26"	120 - 60 Hz	1/2 HP	45 PSI	33
17052R020PC1	52 PSI	7.0	15.97"	120 - 60 Hz	3/4 HP	28 PSI	37
17070R020PC2	70 PSI	4.0	16.68"	230 - 60 Hz	1 HP	10 PSI (for use with holding tank)	40

*Many plumbing codes do not recommend system pressure exceeding 80 PSI. Refer to local plumbing codes for maximum boosted pressure.

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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

$$\begin{array}{r} \mathbf{30} \\ \text{Household} \\ \text{Pressure} \end{array} + \begin{array}{r} \text{Total Pump} \\ \text{Pressure} \end{array} = \begin{array}{r} \text{Total Pressure} \\ \text{After Boost} \end{array}$$

*Not Recommended to Exceed 80 PSI

Models Available:

- 17035R020PC1 +35
- 17052R020PC1 +52
- 17070R020PC2 +70

$$\begin{array}{r} \mathbf{30} \\ \text{Household} \\ \text{Pressure} \end{array} + \begin{array}{r} \mathbf{35} \\ \text{Total Pump} \\ \text{Pressure} \end{array} = \begin{array}{r} \mathbf{65} \\ \text{Total Pressure} \\ \text{After Boost} \end{array}$$

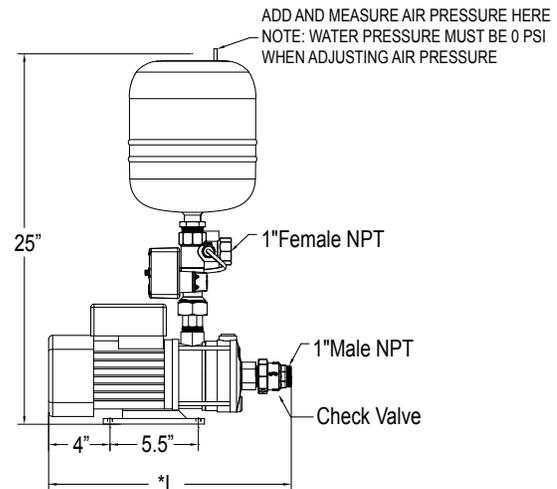
Based on this example, the recommended model for this application is the 17035R020PC1.

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

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
- Check Valve No-Lead Brass
- Pump Controller Cross No-Lead Brass

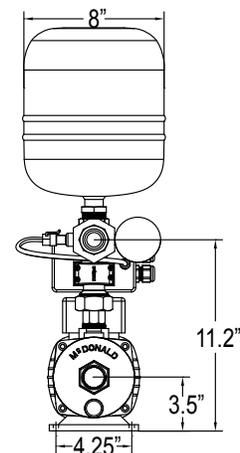
Typical Installation



Sizing Chart

Total static pressure **DuraMAC™** pump

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



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