



Submittal Data Information

Plumb 'n' Plug® Domestic Hot Water Circulators

101-066

EFFECTIVE: March 1, 2011

SUPERSEDES: April 30, 2008

JOB _____ ENGINEER _____ CONTRACTOR _____ REP. _____

ITEM NO.	MODEL NO.	
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General Product Information:

Taco Plumb n' Plug® (PNP) Circulators periodically recirculate hot water through the domestic water piping system to decrease the delivery time to outlet fixtures and reduce wasted water. These UL-listed units feature quiet, efficient operation and low power consumption. Self lubricating, with no mechanical seal and Taco's unique replaceable cartridge design, Plumb n' Plug® circulators are field serviceable and maintenance free. An optional Aquastat is available for constant circulation applications to maintain temperature between 95°F and 115°F.

Features:

- UL Listed
- Optional 95°F -115°F Aquastat Available
- Standard High Capacity Output
- Compact Design
- Quiet, Efficient Operation
- Direct Drive - Low Power Consumption
- Unique Replaceable Cartridge Design - Field Serviceable
- Self Lubricating
- No Mechanical Seal
- Unmatched Reliability - Maintenance Free
- Sweat Connections - Bronze
- Union & Threaded Connections - Stainless Steel
- Flanged - Stainless Steel

Performance Data:

Flow Range: 0 - 7 GPM (003), 0 - 19.5 GPM (005)
0 - 11.5 GPM (006)
Head Range: 0 - 4.5 Feet (003), 0 - 8.5 Feet (005)
0 - 9.5 Feet (006)
Minimum Fluid Temperature: 40°F (4°C)
Maximum Fluid Temperature: 220°F (104°C)
Maximum Working Pressure: 125 PSI

Materials of Construction:

CIRCULATOR:

Casing (Volute): Bronze or Stainless Steel
Stator Housing: Steel
Cartridge: Stainless Steel
Impeller: Non-Metallic
Shaft: Ceramic
Bearings: Carbon
O-Ring & Gaskets: EPDM

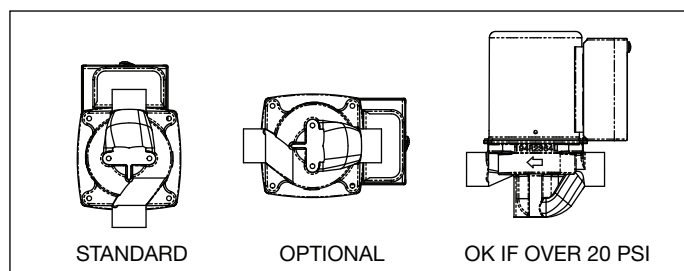
INTEGRAL FLOW CHECK (IFC®):

Body & Plunger: Acetal
Spring: Stainless Steel
O-Ring: EPDM

Model Nomenclature:

BC - Bronze, 1/2" Sweat
B - Bronze, 3/4" Sweat
ST - Stainless Steel, 3/4" FNPT
SC - Stainless Steel, Union Connection
SF - Stainless Steel, Flanged
PNP - Plumb n' Plug®

Mounting Positions:



Electrical Data:

MODEL	VOLTS	Hz	Ph	AMPS	RPM	HP
003-PNP	115	60	1	0.45	3250	1/40
005-PNP				0.54		
006-PNP				0.52		
006-PNP (IFC)				0.57		
Motor Type	Permanent Split Capacitor, Impedance Protected					



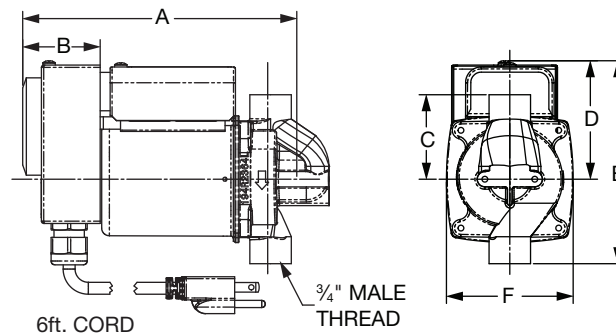
A Taco resource - saving product

Application:

Digital Features:

- Digital Timer - 7 Day Programmable
- Large LCD Display
- Up to 8 ON/OFF Program Settings
- Easy-to-Use Program Buttons
- ON/OFF Intervals as short as 1 Minute
- 100 Hour Capacitor Backup, Saves Settings

MODELS 003-PNP and 006-PNP

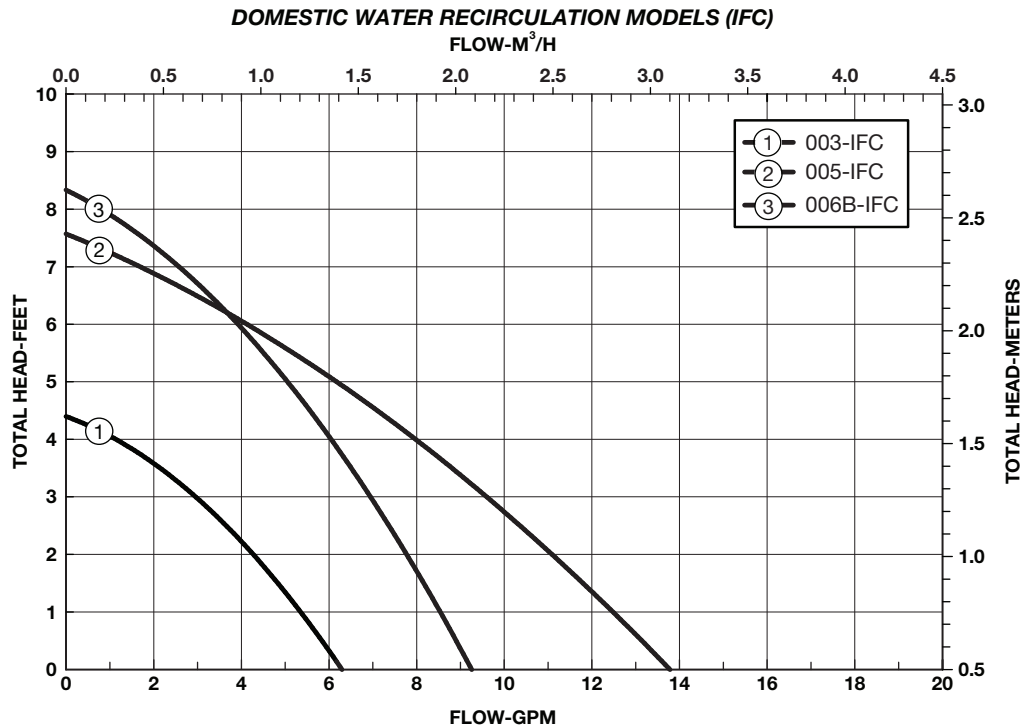
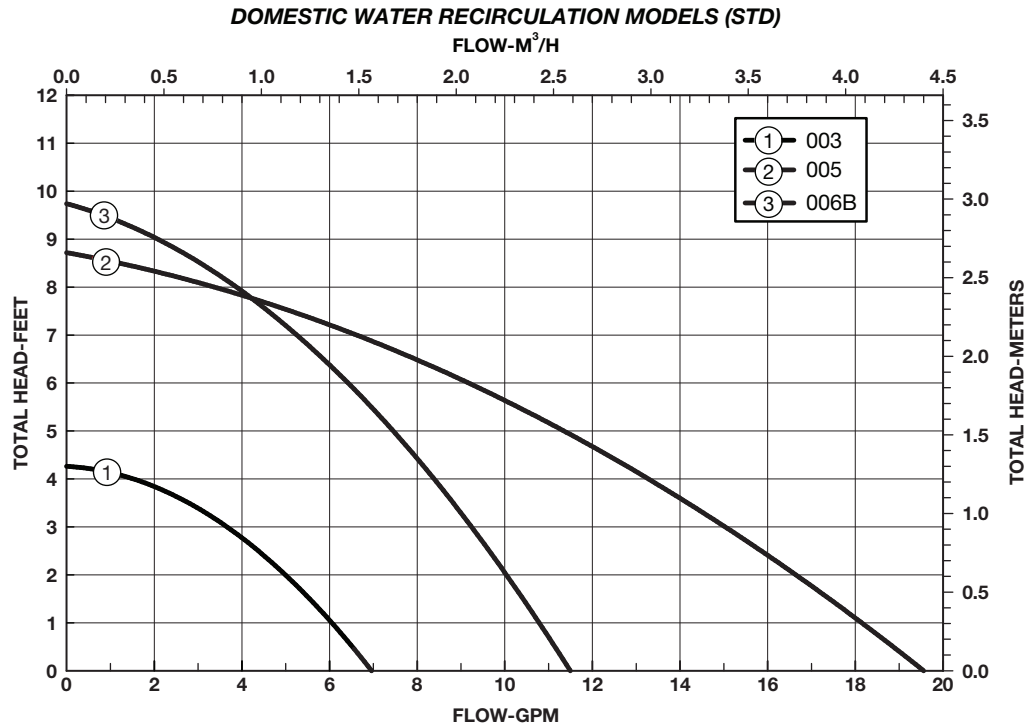


DIGITAL TIMER															
MODEL	CONNECTION	A		B		C		D		E		F		SHIP WGT.	
		IN.	mm	IN.	mm	IN.	mm	IN.	mm	IN.	mm	IN.	mm	LBS.	KG
003-BC4-8PNP	½" Sweat	7¼	184	1 ¹⁵ / ₁₆	49	2 ¹ / ₈	54	3 ¹ / ₁₆	78	5¼	134	3 ⁵ / ₁₆	84	7.0	3.2
003-B4-2PNP	¾" Sweat					2 ³ / ₁₆	56								
003-ST4-2PNP	¾" FNPT					2	51								
003-SC4-3PNP	Union					2 ³¹ / ₃₂	76								
006-BC4-4PNP	½" Sweat					2 ¹ / ₈	54			5¼	134				
006-B4-2PNP	¾" Sweat					2 ³ / ₁₆	56								
006-ST4-2PNP	¾" FNPT					2	51								
006-SC4-3PNP	Union					2 ³¹ / ₃₂	76								

DIGITAL TIMER with INTEGRAL FLOW CHECK (IFC) [®]															
MODEL	CONNECTION	A		B		C		D		E		F		SHIP WGT.	
		IN.	mm	IN.	mm	IN.	mm	IN.	mm	IN.	mm	IN.	mm	LBS.	KG
003-BC4-11PNP	½" Sweat	8 ⅙	205	1 ⅙	49	2 ⅜	56	3 ⅙	78	5 ¼	134	3 ⅙	84	7.0	3.2
003-BC4-10PNP	¾" Sweat														
006-BC7-5PNP	½" Sweat														
006-BC7-4PNP	¾" Sweat														

LINE CORD ONLY with INTEGRAL FLOW CHECK (IFC)®															
MODEL	CONNECTION	A		B		C		D		E		F		SHIP WGT.	
		IN.	mm	IN.	mm	IN.	mm	IN.	mm	IN.	mm	IN.	mm	LBS.	KG
003-BC4-7PNP	½" Sweat	6	152	4 ⁷ / ₈	124	2 ³ / ₁₆	56	2 ¹⁵ / ₁₆	75	4 ³ / ₈	111	3 ⁵ / ₁₆	84	6.5	2.9
003-BC4-6PNP	¾" Sweat														
006-BC7-3PNP	½" Sweat														
006-BC7-2PNP	¾" Sweat														

PERFORMANCE FIELD INFORMATION (60 Hz)



COMFORT MADE EASY®

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