



Submittal Data Information

Plumb 'n' Plug® Domestic Hot Water Circulators

101-066

EFFECTIVE: February 14, 2014

SUPERSEDES: March 1, 2011

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

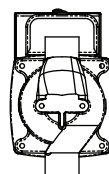
INTEGRAL FLOW CHECK (IFC®):

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

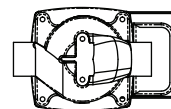
Model Nomenclature:

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®

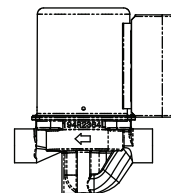
Mounting Positions:



STANDARD



OPTIONAL



OK IF OVER 20 PSI

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					



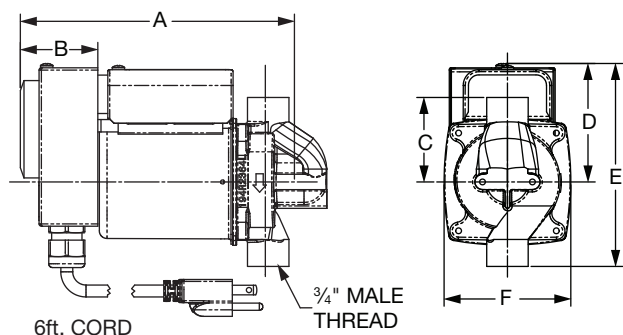
A Taco resource - saving product

Application:

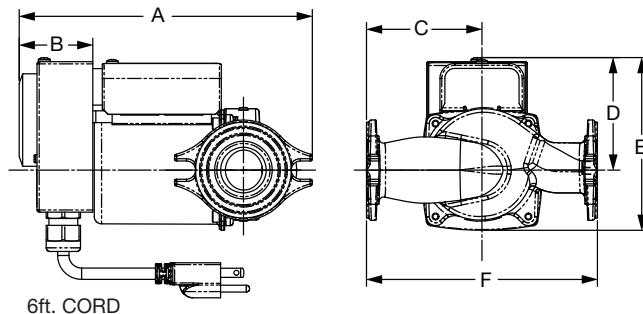
Analog Features:

- 24 Hour Analog Timer
- 15 Minute ON/OFF intervals
- Easy-to-Use Clock Timer
- Factory installed 6' line cord

MODELS 003-PNP and 006-PNP



MODEL 005-PNP



ANALOG 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-PNP	½" Sweat	7¼	184	1 ¹⁵ / ₁₆	49	2 ¹ / ₈	54	3 ¹ / ₁₆	77.8	5¼	134	3 ⁵ / ₁₆	84	7.0	3.2
003-B4-PNP	¾" Sweat					2 ³ / ₁₆	56								
003-ST4-PNP	¾" FNPT					2	51								
003-SC4-1PNP	Union					2 ³¹ / ₃₂	76								
005-SF2-PNP	SS Flanged	8⅝	205			3 ³ / ₃₂	80	3 ³ / ₃₂	78.6	4 ³ / ₄	121	6 ³ / ₈	162		
006-BC4-PNP	½" Sweat	7¼	184			2 ¹ / ₈	54	3 ¹ / ₁₆	77.8	5¼	134	3 ⁵ / ₁₆	84		
006-B4-PNP	¾" Sweat					2 ³ / ₁₆	56								
006-ST4-PNP	¾" FNPT					2	51								
006-SC4-1PNP	Union			2 ³¹ / ₃₂	76										

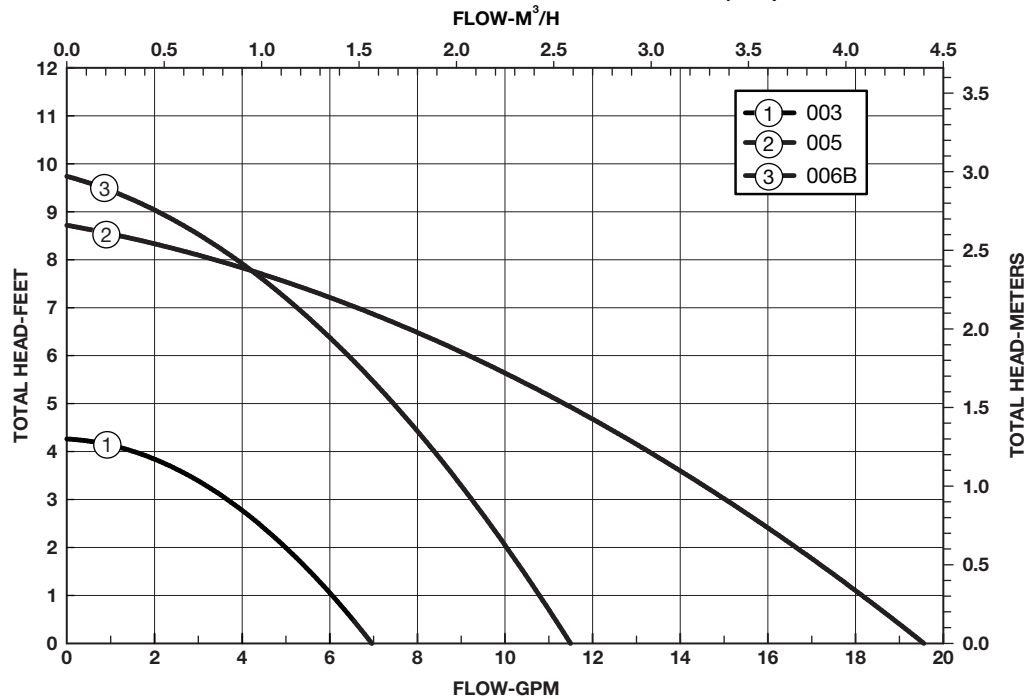
ANALOG TIMER with INTEGRAL FLOW CHECK (IFC) [®]															
MODEL	CONNECTION	A		B		C		D		E		F		SHIP WGT.	
		IN.	mm	IN.	mm	IN.	mm	IN.	mm	IN.	mm	IN.	mm	LBS.	KG
003-BC4-3PNP	½" Sweat	8⅞	205	1⅕⅓	49	2⅜⅓	56	3⅜⅓	77.8	5¼	134	3⅝⅓	84	7.0	3.2
003-BC4-2PNP	¾" Sweat					2⅝⅓	56	3⅝⅓	78.6	4¾	121	6⅜	162		
005-SF2-1PNP	SS Flanged					3⅝⅓	80	3⅝⅓	78.6	4¾	121	6⅜	162		
006-BC7-1PNP	½" Sweat					2⅜⅓	56	3⅜⅓	77.8	5¼	134	3⅝⅓	84		
006-BC7-PNP	¾" Sweat					2⅝⅓	56	3⅝⅓	78.6	4¾	121	6⅜	162		

Pump Dimensions & Weights:

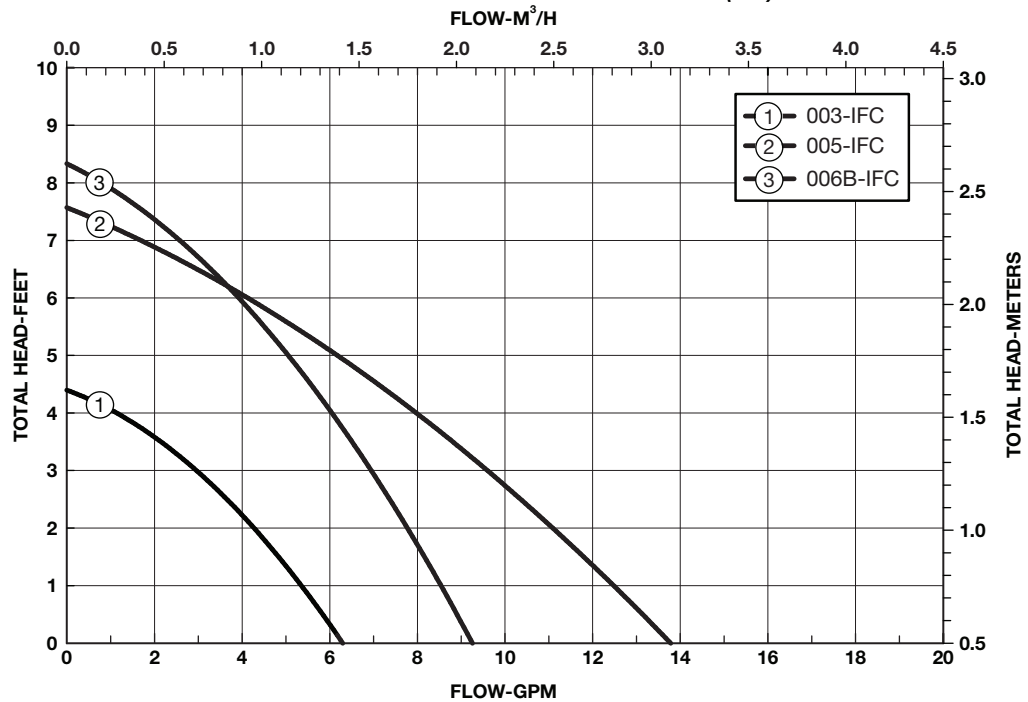
LINE CORD ONLY with INTEGRAL FLOW CHECK (IFC)®															
MODEL	CONNECTION	A		B		C		D		E		F		SHIP WGT.	
		IN.	mm	IN.	mm	IN.	mm	IN.	mm	IN.	mm	IN.	mm	LBS.	KG
003-BC4-7PNP	½" Sweat	6	152	4 ⁷ / ₈	124	2 ³ / ₁₆	56	2 ¹⁵ / ₁₆	75	4 ³ / ₈	111	3 ⁵ / ₁₆	84	6.5	2.9
003-BC4-6PNP	¾" Sweat														
006-BC7-3PNP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

PERFORMANCE FIELD INFORMATION (60 Hz)

DOMESTIC WATER RECIRCULATION MODELS (STD)



DOMESTIC WATER RECIRCULATION MODELS (IFC)



Do your best work.®

TACO, INC., 1160 Cranston Street, Cranston, RI 02920 Telephone: (401) 942-8000 FAX: (401) 942-2360.
TACO (Canada), Ltd., 8450 Lawson Road, Unit #3, Milton, Ontario L9T 0J8. Telephone: 905/564-9422. FAX: 905/564-9436.

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