Model 0010 Cartridge Circulator

The High Velocity series Taco 0010 Cartridge circulator is designed for quiet, efficient operation in residential or light commercial applications for hydronic heating, chilled water cooling and potable hot water systems. Its unique field-serviceable cartridge contains all moving parts. Replacing the cartridge rebuilds the circulator. With no mechanical seal, the self-lubricating, maintenance free design provides unmatched reliability. Compact and lightweight, with excellent performance characteristics, the 0010 is ideal for installations where space is a premium. Available in Cast Iron or Stainless Steel construction.

Stainless Steel, Flanged

c UL us LISTED

NSF Certified to NSF/ANSI 372

Low-Lead Compliant

Taco Comfort Solutions™
A Taco Group Company

Supersedes: 01/12/15

Effective Date: 02/17/16
Printed in USA

Submittal Data Information
Model 0010 Cartridge Circulator

Submittal Data # 101-033
Supersedes: 01/12/15

Effective: 02/17/16

Features

- 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
- Universal flange to flange dimensions
- Cast Iron or Stainless Steel construction

Materials of Construction

Casing (Volute):	Cast Iron or Stainless Steel
Stator Housing:	Aluminum
Cartridge:	Stainless Steel
Impeller:	Non-metallic
Shaft:	Ceramic
Bearings	Carbon
O-Ring & Gaskets:	EPDM

Model Nomenclature

F – Cast Iron, Flanged
SF – Stainless Steel, Flanged

Performance Data

Max. Flow: 32 GPM
Max. Head: 10 Feet
Min. Fluid Temperature: 40˚F (4˚C)
Max. Fluid Temperature: 230˚F (110˚C)
Max. Working Pressure: 150 psi
Connection Sizes:3/4", 1", 1-1/4", 1-1/2" Flanged

Certifications & Listings

c UL us LISTED FOR INDOOR USE ONLY

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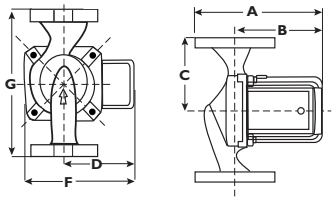
Application

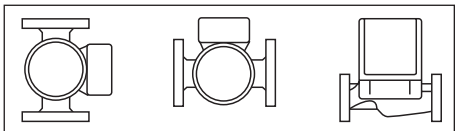
The Taco 0010 is designed for a wide range of large residential or light commercial water circulating applications. Typical uses include hydronic heating, radiant heating, primary-secondary loops, indirect water heaters, chilled water cooling, and potable hot water systems. The Stainless Steel 0010 is designed for all open-loop, fresh water systems. The unique replaceable cartridge contains all of the moving parts and allows for easy service, instead of replacing the entire circulator. Compact, direct-drive, low power consumption design makes it ideal for high-efficiency jobs.

Pump Dimensions & Weights

Models	Casing	A		B		C		D		F		G		Ship Wt.	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
0010-F3	Cast Iron	7-1/4	184	5-5/16	135	3-3/16	81	3-15/16	84	5-3/8	137	6-3/8	162	10	4.5
0010-SF3	St. Steel	7-1/4	184	5-5/16	135	3-3/16	81	3-15/16	84	5-1/8	137	6-3/8	162	9	4



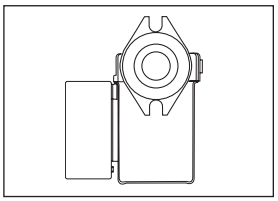
Mounting Positions



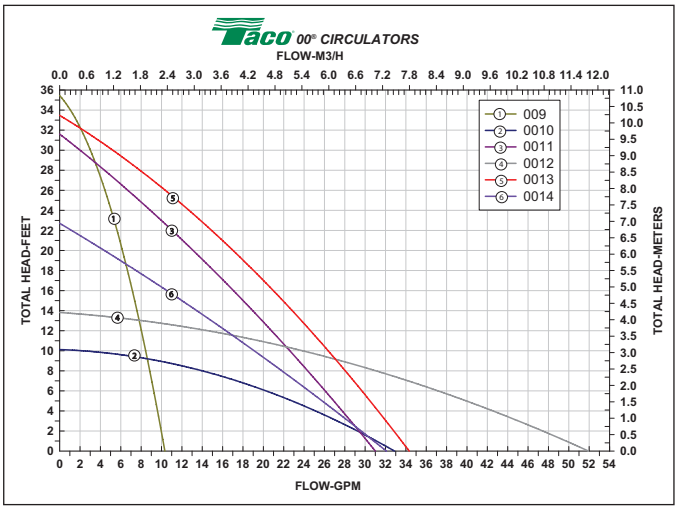
Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
0010-F3	115	60	1	1.10	3250	1/8
0010-SF3	115	60	1	1.20	3250	1/8
Motor Type	Permanent Split Capacitor Impedance Protected					
Motor Options	220/50/1, 220/60/1, 230/60/1, 100/110/50/60/1					

Flange Orientation



Performance Field - 60Hz



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A Taco Group Company

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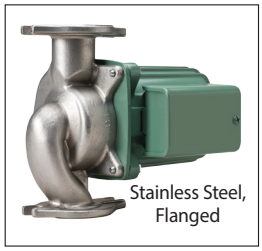
Model 0010-IFC® Cartridge Circulator

The High Velocity series 0010-IFC includes an Integral Flow Check, saving installation costs while improving system performance. The removable, spring-loaded IFC® replaces a separate in-line flow check and prevents gravity flow when the circulator is not operating. Available in Cast Iron or Stainless Steel construction.



Stainless Steel, Flanged

c UL us LISTED

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Low-Lead Compliant

Taco® Comfort Solutions™
A Taco Group Company

Supersedes: 01/12/15

Effective Date: 02/17/16
Printed in USA

Submittal Data Information
Model 0010-IFC® Cartridge Circulator

Submittal Data # 101-085
Supersedes: 01/12/15

Effective: 02/17/16

Features

- Integral Flow Check (IFC®)
  - Prevents gravity flow
  - Eliminates separate in-line flow check
  - Reduces installed cost, easy to service
  - Improved performance vs. In-line flow checks
- Unique replaceable cartridge-Field serviceable
- Unmatched reliability - Maintenance free
- Quiet, efficient operation
- Direct drive - Low power consumption
- Self lubricating, No mechanical seal
- Standard high capacity output - Compact design
- Wide range of applications
- Cast Iron or Stainless Steel construction, Flanged connections

Materials of Construction

Casing (Volute): Cast Iron or Stainless Steel
Integral Flow Check:
- Body, Plunger.....Acetal
- O-ring, Seals.....EPDM
- Spring.....St. Steel

Stator Housing:.....Aluminum
Cartridge:.....Stainless Steel
Impeller:.....Non-Metallic
Shaft:.....Ceramic
Bearings:.....Carbon
O-Ring & Gaskets:.....EPDM

Model Nomenclature

F – Cast Iron, Flanged
SF – Stainless Steel, Flanged
IFC – Integral Flow Check

Performance Data

Max. Flow: 30 GPM
Max. Head: 9 Feet
Min. Fluid Temperature: 40˚F (4˚C)
Max. Fluid Temperature: 230˚F (110˚C)
Max. Working Pressure: 150 psi
Connection Sizes:
3/4", 1", 1-1/4", 1-1/2" Flanged

Certifications & Listings

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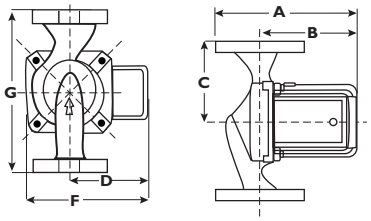
Application

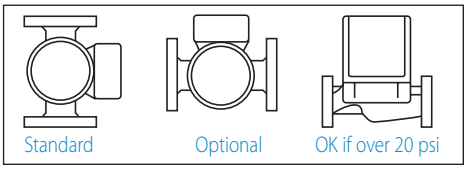
The 0010-IFC with an Integral Flow Check is designed to reduce installation costs when zoning with 00®circulators. Ideal for residential or light commercial hydronic or radiant heating, hydro-air fan coils, indirect water heaters or domestic water recirculation systems. By locating the IFC inside the pump casing, a separate in-line flow check is eliminated, reducing installation costs. The reduced pressure drop of the IFC increases the flow performance over in-line check valves. Both the IFC and cartridge are easily accessed for service instead of replacing the entire unit. Available in Cast Iron or Stainless Steel construction.

Pump Dimensions & Weights

Models	Casing	A		B		C		D		F		G		Ship Wt.	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
0010-F3-1 IFC	Cast Iron	7-1/4	184	5-5/16	135	3-3/16	81	3-15/16	84	5-3/8	137	6-3/8	162	10	4.5
0010-SF3-IFC	St. Steel	7-1/4	184	5-5/16	135	3-3/16	81	3-15/16	84	5-1/8	137	6-3/8	162	9	4.0



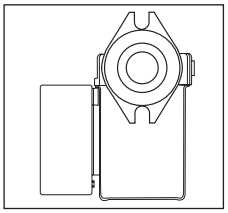
Mounting Positions



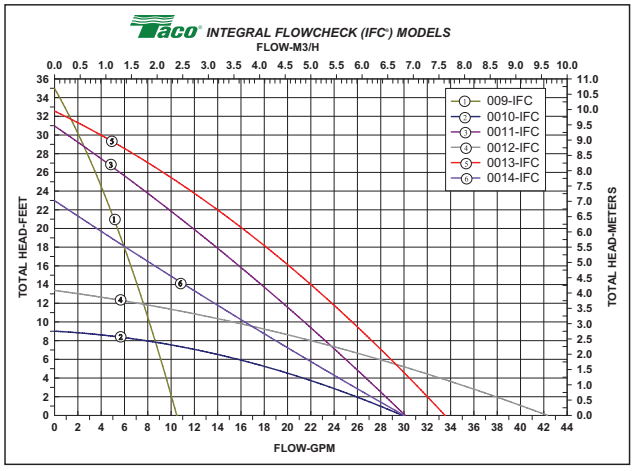
Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
0010-F3-1 IFC	115	60	1	1.10	3250	1/8
0010-SF3-IFC	115	60	1	1.20	3250	1/8
Motor Type	Permanent Split Capacitor Impedance Protected					
Motor Options	220/50/1, 220/60/1, 230/60/1, 100/110/50/60/1					

Flange Orientation



Performance Field - 60Hz



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