



**just your speed.**

# Three speeds.



**Taco**  
 MULTI-SPEED CARTRIDGE CIRCULATOR  
 MODEL 00R-MSF2-IFC  
 WATER CIRCULATING PUMP

115 VOLTS  
 60 Hz  
 MAX. PRESSURE:  
 125 PSI  
 MAX. WATER TEMP:  
 110°C / 230°F

SPD	A	W
1	71	79
2	82	93
3	93	113

IFC<sup>®</sup>  
 INTEGRAL FLOW CHECK

WARNING:  
 TO REDUCE THE RISK OF ELECTRICAL SHOCK  
 SEE INSTRUCTION MANUAL FOR PROPER INSTALLATION  
 DISCONNECT POWER WHEN SERVICING  
 DO NOT USE IN SWIMMING POOL AREAS  
 PUMP HAS NOT BEEN INVESTIGATED FOR THIS APPLICATION  
 CAUTION: FOR INDOOR USE ONLY  
 EMPLOYER: UNCLELEONARD.COM

TACO, INC. CRANSTON, RI USA

**Taco**  
 MULTI-SPEED CARTRIDGE CIRCULATOR  
 MODEL 0010-MSF1-IFC  
 WATER CIRCULATING PUMP

115 VOLTS  
 60 Hz  
 MAX. PRESSURE:  
 125 PSI  
 MAX. WATER TEMP:  
 110°C / 230°F

SPD	A	W
1	71	79
2	82	93
3	93	113

IFC<sup>®</sup>  
 INTEGRAL FLOW CHECK

WARNING:  
 TO REDUCE THE RISK OF ELECTRICAL SHOCK  
 SEE INSTRUCTION MANUAL FOR PROPER INSTALLATION  
 DISCONNECT POWER WHEN SERVICING  
 DO NOT USE IN SWIMMING POOL AREAS  
 PUMP HAS NOT BEEN INVESTIGATED FOR THIS APPLICATION  
 CAUTION: FOR INDOOR USE ONLY  
 EMPLOYER: UNCLELEONARD.COM

TACO, INC. CRANSTON, RI USA

# One reputation.

If you've been searching for a reliable 3-speed circulator, search no more. Our Radiant and Service 3-speed pumps are built to the exacting standards you've come to expect from Taco.

## **The 00R 3-Speed Radiant Pump.** **Heavy duty reliability.**

Everything that goes into the 3-Speed Radiant Pump – from the powerful, high performance motor to the durable 3-speed switch – says “heavy duty”. With the highest starting torque in its class, this circulator delivers the performance and fine tuning capabilities sure to satisfy the most demanding installer of hydronic systems.

## **The 0010 3-Speed Service Pump. A perfect fit.**

The 3-Speed Service Pump is specially designed to make short work of service calls. Since it replaces the most commonly used circulators you'll appreciate it the next time you're out on a job at 2 AM. The handy new **universal 4-bolt flange** simplifies change-out of any pump, regardless of style, type, or age. Keep one in the truck – just in case!

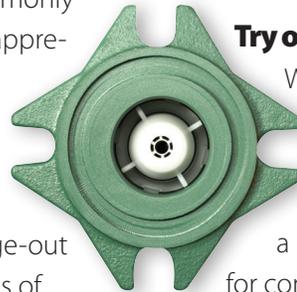
## **Performance & convenience.**

Both 3-speed circulators feature a removable Integral Flow Check (IFC®) that maximizes pump performance and protects against

gravity flow, even in the tallest buildings. Wiring is a snap thanks to an extra roomy capacitor box and convenient dual electrical knock-outs.

## **Try one on for size.**

Whether you need a single speed 00®, a 3-Speed Radiant Pump for easy fine-tuning, or a 3-Speed Service Pump for convenience, you can be sure that every Taco circulator is designed to build your business. Visit [www.taco-hvac.com](http://www.taco-hvac.com) learn more or stop by your wholesaler for a first-hand look. You'll find we're just your speed.



  
**Taco**<sup>®</sup>  
comfort made easy<sup>®</sup>

[www.taco-hvac.com](http://www.taco-hvac.com)

# Submittal Data Information 3-Speed Cartridge Circulators

Catalog # 100-51  
Submittal Data # 101-125  
Supersedes: 06/24/11

Effective: 12/06/11

## Features

- Multi-Speed performance
- Fine tune to system requirements
- Highest performance & starting torque in class
- Heavy duty construction for longer life
- 4-bolt universal flange (0010 only)
- Removable high-flow Integral Flow Check (IFC\*)
  - Prevents gravity flow
  - Reduces installation costs
  - Improves pump performance
- Replaceable cartridge design
- Quiet, efficient operation
- Self lubricating, no mechanical seal
- Wide range of applications
- Cast Iron, flanged construction

## Materials of Construction

Casing:.....Cast Iron  
Integral Flow Check (IFC\*):  
Body, Plunger.....Acetal  
O-ring Seal.....EPDM  
Spring .....Stainless Steel  
Stator Housing:.....Steel  
Cartridge:.....Stainless Steel  
Impeller:.....Non-Metallic  
Shaft:.....Ceramic  
Bearings:.....Carbon  
O-Ring & Gaskets:.....EPDM

## Model Nomenclature

F – Cast Iron, Flanged  
MS – Multi-Speed  
IFC – Integral Flow Check

## Performance Data

	00R	0010
Flow Range (GPM):	0-18	0-29
Head Range (FT):	0-21	0-10.5
Minimum Fluid Temperature: 40°F (4°C)		
Maximum Fluid Temperature: 230°F (110°C)		
Maximum Working Pressure: 125 psi		
Connection Sizes: 3/4", 1", 1-1/4", 1-1/2" Flanged		



FOR INDOOR USE ONLY

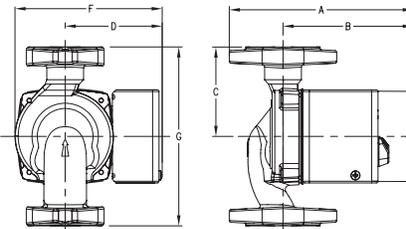
## Application

**The 00R 3-Speed Radiant pump** is specifically designed for the flow and head requirements of today's radiant heat systems yet is adaptable for hydronic baseboard systems as well. Its 3-Speed switching capability provides fine tuning control to match a wide combination of tube diameters and length of runs. The 00R 3-Speed Radiant pump is a direct replacement for the Grundfos UPS 15-58 3-Speed. The 00R delivers the highest starting torque in its class and a removable, high-flow Integral Flow Check (IFC\*) that prevents gravity flow, reduces installation costs and improves pump performance.

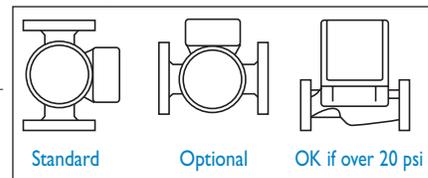
**The 0010 3-Speed Service pump** is designed as an ideal replacement circulator for service contractors to use on any emergency "no-heat" call. The 0010 3-Speed replaces most commonly used circulators. Simply install it and set the speed to match the original pump performance. The handy new four bolt flange matches up to any pump regardless of style, type or age.

## Pump Dimensions & Weights

Cast Iron Models	A		B		C		D		F		G		Ship Wt.	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
00R-MSF2 IFC	6-1/2	165	4-5/8	118	3-3/16	81	3-7/16	78	5-3/8	137	6-3/8	162	8	3.5
00R-MSF2-1 IFC	6	152	4-5/8	118	3-3/16	81	3-7/16	78	5-3/8	137	6-3/8	162	8	3.5
0010-MSF1-IFC	6-11/16	170	4-3/4	120	3-3/16	81	3-7/16	78	5-3/8	137	6-3/8	162	10	4.5



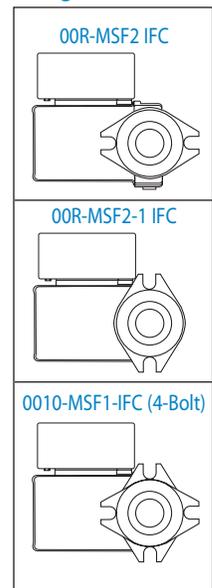
## Mounting Positions



## Electrical Data

Model	Volts	Hz	Ph	Amps			RPM (Speed 3)	HP
				Speed 1	Speed 2	Speed 3		
All Models	115	60	1	.71	.82	.98	3250	1/20
Motor Type	Permanent Split Capacitor Thermally Protected							

## Flange Orientation



## Performance Field - 60Hz

