

# Standard circulation pumps

PC3F4344IUF00

# Honeywell



**Optional Check Valve Kit:** PVC150

### Technical data

Rate of flow: up to 60.29 gpm  
 Pressure head: up to 16.4 ft  
 Media temperature: 14 °F to 203 °F  
 Installation length: 8.5 inch  
 Connection standard: USA oval  
 Type of connection: Crossflange  
 Protection class: IP 44  
 Insulation class: F  
 Pressure max: 145 psi  
 Control: 3-step switch with manual speed selection  
 Rated voltage: 1 x 115 V  
 Main frequency: 60 Hz  
 Voltage tolerance: +/- 10%  
 Shipping weight: 12,3 lbs

### Use

The PC3F 3-speed in-line wet rotor circulator with universal 4-bolt flange is designed for applications in closed-loop hydronic heating and cooling systems. The pump is non-submersible and for use in dry, frost-free, well-ventilated installations.

### Main areas of use

Heating, air-conditioning, and industry systems as

- dual pipe system
- boiler / primary circuit
- underfloor heating
- storage charging circuit

### Flow media

- heating water
- pure, thin, non-aggressive and non-explosive, mineral oil-free media without solid particles or fibres
- media with a max. viscosity of  $1,08 \times 10^{-4}$  ft<sup>2</sup>/s
- operating data must be checked above 20 % glycol

### Materials

Component	Material
Pump body	Grey-cast iron
Impeller	Polyamide (PA - GF 35)
Shaft	Ceramic
Bearing	Ceramic
Bearing plate	Stainless steel
Can	Stainless steel

### Temperature range

Ambient temperature: 32°F to 104°F  
 Temperature class: TF 95  
 Media temperature: 14°F to 203°F

### Motor protection

The motor includes an internal thermal overload protection. External motor protection is not required.

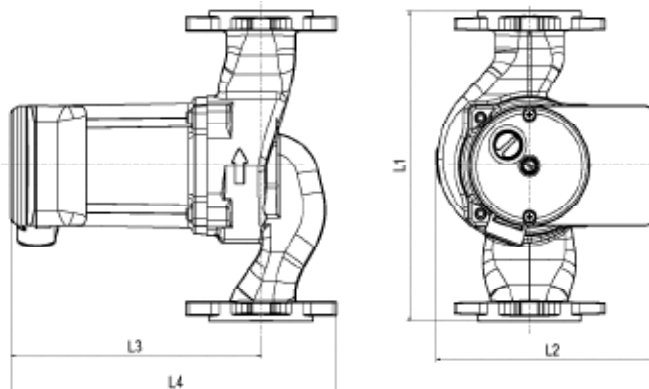
### Speed switching

Three speed, with manual selector. The respective speed is set via rotary switch integrated in the terminal board

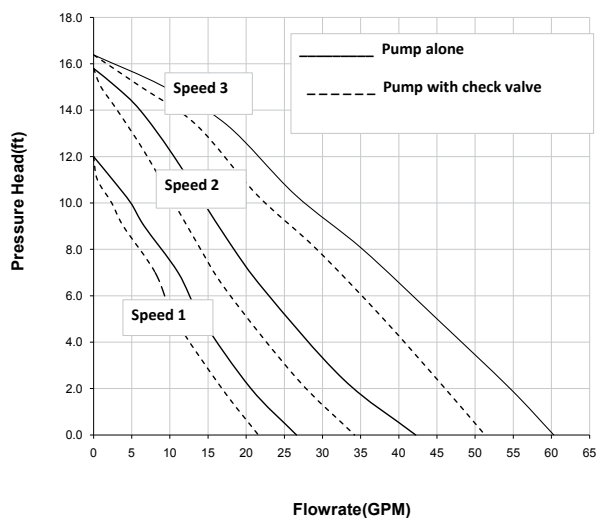
Speed	Volts	Amps	Watts	Hp	Capacitor (µF)
1	115	1,24	145	0,194	20
2		1,6	190	0,255	20
3		1,8	210	0,282	20

### Dimensions

L1	L2	L3	L4
8.5	6.1	6.9	8.9



### Characteristics



Per industry standards data has ± 10% tolerance