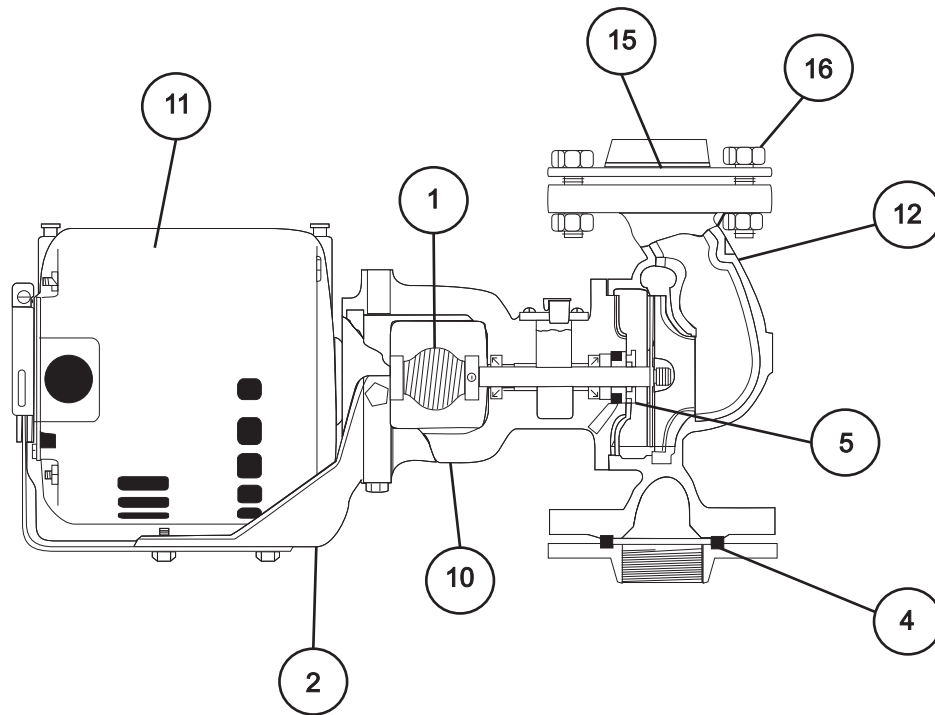


OPERATING & MAINTENANCE INSTRUCTIONS FOR MODEL R & RB CIRCULATORS



INSTALLATION

The Thrush Model R and RB circulators are designed to be mounted with the motor in a horizontal position. However, the pump casing may be rotated to flow in either a horizontal or vertical arrangement by removing the four casing bolts and rotate the pump body. Both circulator and motor oil cups must always be up

WIRING

The model R and RB (.08HP 115/60/1) motors have BX type electrical connections. The two wire leads are located under the terminal cover. Leads must be connected securely. Do not use rigid conduit to connect motor to power. It is recommended to use 18" of flex conduits for motor connection.

OPERATION

Pumps should never be run dry; seal damage is likely to occur. The model R and RB circulator brackets have oil-impregnated bearings. It is necessary to add 1/2 ounce of SAE #30 non-detergent oil upon installation. Add as necessary every three months. To check and add the oil, remove the four slot head screws on the bearing assembly cover plate, lift off the cover plate. Next, remove the wick from around the shaft. The wick should be oil saturated, if not, add oil to the wick until **saturated**. Add 12 - 15 drops of SAE#30 oil to bottom of reservoir and replace wick around the shaft and replace the cover plate. Lubrication should be checked every three months. Motor oil cups should be filled prior to startup and checked on the same maintenance schedule as the pump.

**MODEL "R" CIRCULATOR
PART NUMBER 1104-1010**

ITEM NUMBER	PART NUMBER	DESCRIPTION
1	7304-0001	Barrell Spring Coupling
2	1104-0900	Motor Cradle (Fits 48 Frame-Resilient Mount Motors)
3	9600-3260	Impeller (Brass)
4	9754-0020	Flange Gasket 2 bolt (Included in P/N 810-191)
5	7301-4000	Seal Kit - Type B
10	1104-901	Bracket Assembly - CH-15N
11	9637-0100	Motor 115/60/1 ph 1/12 HP 48 Frame ODP Enclosed
12	9600-1051	Casing (Cast Iron)
15	810-1	3/4" 2-Bolt Steel Flange Set
	810-2	1" 2-Bolt Steel Flange Set
	810-3	1 1/4" 2-Bolt Steel Flange Set
	810-4	1 1/2" 2-Bolt Steel Flange Set
16	810-191	Nuts, Bolts, Gaskets for 2 Bolt Flange Sets

**MODEL "RB" CIRCULATOR
PART NUMBER 1400-1010**

ITEM NUMBER	PART NUMBER	DESCRIPTION
1	7304-0001	Barrell Spring Coupling
2	1104-0900	Motor Cradle (Fits 48 Frame-Resilient Mount Motors)
3	9600-3260	Impeller (Brass)
4	9754-0020	Flange Gasket 2 bolt (Included in P/N 810-191)
5	7301-4000	Seal Kit - Type B
10	1400-900	Bracket Assembly - B-1
11	9637-0100	Motor 115/60/1 ph 1/12 HP 48 Frame ODP Enclosed
12	9603-1091	Casing (Bronze)
15	811-1	3/4" 2-Bolt Bronze Flange Set
	811-2	1" 2-Bolt Bronze Flange Set
	811-3	1 1/4" 2-Bolt Bronze Flange Set
	811-4	1 1/2" 2-Bolt Bronze Flange Set
16	811-191	Nuts, Bolts, Gaskets for 2 Bolt Flange Sets