



Circulator

Exploded View
 For Series 100, Series HV, 2",
 PR, 2 1/2", LD-3 & HD-3 Models

*Impeller not always included in Bearing Assembly.

**Shown rotated 90°.

■ - Factory recommended spare parts.

PARTS FOR SERIES 100

MODELS MANUFACTURED AFTER NOVEMBER, 1956 ("11U" DATE CODE)

ITEM NO.	DESCRIPTION	100 NFI 106189	100 BI 106190	100 AB 106192	100 BNFI 106197
1	Body	118339	118339	118413LF	118413LF
	Body Capscrew (4 required)	P40020	P40020	P40020	P40020
4	Bearing Assembly	118844LF ¹	118844LF ¹	189034LF	189034LF
4 & 8	Bearing Assembly with NFI Impeller	189134LF ²	NONE	NONE	189161LF
	Bracket Capscrew (4 required)	P04770	P04770	P04770	P04770
8	Impeller	189132LF	118431LF	118431LF	189132LF
5	Coupler Assembly	118705+	118705+	118705+	118705+
	Flange (3/4")	P00739	P00739	P00789	P00789
	Flange (1")	P00792	P00792	P00836	P00836
	Flange (1 1/4")	P03250	P03250	P00837	P00837
	Flange (1 1/2")	P03430	P03430	P2000085	P2000085
	Flange Gasket Set	118368	118368	118368	118368
	Fastener Package w/ Flange Gaskets	P64910	P64910	P64910	P64910
6	Power Pack	111034*	111034*	111034*	111034*
22	Ring Motor Mount Set	118223	118223	118223	118223
5 & 22	Coupler & Ring Mount Set	118706	118706	118706	118706

+Cast Iron type. For Stamped Steel, use 189110.

*115V only. For 230V, use 111035.

NOTE:

#75 Circulator is a Series 100 w/ 3/4" flanges.

#100 Circulator is a Series 100 w/ 1" flanges.

#125 Circulator is a Series 100 w/ 1 1/4" flanges.

#150 Circulator is a Series 100 w/ 1 1/2" flanges.

BEARING ASSEMBLIES

ITEM NO.	DESCRIPTION	118844LF ¹	189134LF ²	189034LF	189161LF
13	Bearing Bracket	P77119	P77119	P77119	P77119
2	Body Gasket	P04080	P04080	P04080	P04080
14	Front Bearing	189071	189071	189071	189071
15	Front Bearing Gasket	P80815	P80815	P80815	P80815
27	Impeller Key	P04940	P04940	P04940	P04940
	Impeller Gasket	P57000	P57000	P57000	P57000
9	Impeller Nut	P2000236	P2000236	P2000236	P2000236
12	Oil Well Cover	P81238	P81238	P81238	P81238
19	Oil Wick Set	118395	118395	118395	118395
11	Seal Kit**	118681LF	118681LF	118681LF	118681LF
21	Shaft & Sleeve	189035LF	189035LF	189035LF	189035LF
8	Impeller (NFI)	NONE	189132LF	NONE	189132LF

¹May be used in place of 189034/189034LF manufactured after 2004 (date code "40").

²May be used in place of 189161/189161LF manufactured after 2004 (date code "40").

**For Built-To-Order pumps, see the seal selection chart on page 35.

■ – Factory recommended spare parts.

NOTE: Refer to page 3 for exploded view of circulator.

How to Select Parts for Circulators & Pumps on Pages 9-15

The pump nameplate identifies the pump by the series and the six digit part number as shown in the example below.



The nameplate above identifies the pump as a Series HV, part number 102210. The date code shows the date of manufacture as October, 1990 as explained in the chart below. The nameplate identifies the booster pump for future reference. **DO NOT REMOVE THE NAME-PLATE.** It is important when ordering replacement parts to furnish complete nameplate data.

To ensure the correct parts will be selected, follow the procedure below:

1. Determine from the nameplate the pump series, pump construction (if applicable) and the six digit part number.
2. Determine the date the unit was manufactured. See chart below.
3. Refer to the index for the page number of the parts breakdown for the specific booster pump series.
4. Find the proper column in the parts breakdown for the pump involved. Be sure to use the date codes on top of each column where applicable.
5. Select part numbers using the applicable drawings on pages 3, 5 & 7 for identification.
6. When ordering a replacement motor or motor components, always furnish complete motor nameplate data.

DATE OF MANUFACTURE CODE											
The date code is made up of two or three characters depending upon the year.											
1946-1960 The number denotes the month. The last character is a letter and denotes the year.				1961-82 Two characters. First letter is month. Second letter is year.				1983- Three characters. The letter denotes the month. The numbers denote the year.			
1	January	G	1946	A	January	A	1961	A	January	78	1987
2	February	H	1947	B	February	B	1962	B	February	88	1988
3	March	J	1948	C	March	C	1963	C	March	98	1989
4	April	K	1949	D	April	D	1964	D	April	09	1990
5	May	L	1950	E	May	E	1965	E	May	19	1991
6	June	M	1951	F	June	F	1966	F	June	29	1992
7	July	N	1952	G	July	G	1967	G	July	39	1993
8	August	P	1953	H	August	H	1968	H	August	49	1994
9	September	R	1954	J	September	J	1969	J	September	59	1995
10	October	T	1955	K	October	K	1970	K	October	69	1996
11	November	U	1956	L	November	L	1971	L	November	79	1997
12	December	V	1957	M	December	M	1972	M	December	89	1998
		W	1958			N	1973			99	1999
		X	1959			P	1974			00	2000
		Y	1960			R	1975			10	2001
						T	1976			20	2002
						U	1977			30	2003
						V	1978			40	2004
						W	1979			50	2005
						X	1980			60	2006
						Y	1981			70	2007
						Z	1982			80	2008
										90	2009