



OPERATION INSTRUCTIONS MODEL 3590F 1"

BRONZE BALL BEARING SELF-PRIMING PUMP

The Jabsco Model 3590F is equipped with a carbon face rotary mechanical seal with ceramic seal seat.

INSTALLATION - Model 3590F is used for engine cooling on the Chrysler six cylinder marine engines Ace Crown and Royal M-46, M-47, M-48 and Ace and Crown M-46-3 and M-47-3. For replacement of the gear pump used on older Chrysler engines the discharge line from the pump to the engine must be cut and a suitable length of sturdy neoprene hose used to join the lines.

SELF-PRIMING - Primes at low or high speeds. BE SURE SUCTION LINES ARE AIR TIGHT. Recommended minimum suction line size 1" I. D.

RUNNING DRY - Unit depends on liquid pumped for impeller and seal lubrication. DO NOT RUN DRY for more than 30 seconds. Lack of liquid will cause impeller and seal failure.

TEMPERATURES - Standard impeller is designed to handle liquid temperatures between 45° and 180°F. For closed system circulation addition of extra end cover gasket is recommended.

FREEZING WEATHER - Drain unit by loosening end cover. Be sure to tighten end cover screws after system is drained. The following anti-freeze compounds can be used without adverse effect on the impeller.

Atlas "Permaguard", DuPont "Zerex" and "Telar".
Dow Chemical "Dowguard", Olin Mathison "Pyro".

Most Methyl Alcohol (Methanol) based anti-freeze compounds can be used. DO NOT USE PETROLEUM BASED ANTI-FREEZE COMPOUNDS OR RUST INHIBITORS. DuPont No. 7 or "Lazy-Way" rust inhibitors may be used without affecting the impeller.

GASKET - Use standard Jabsco parts. Thicker gasket will reduce priming ability, thinner gasket will cause impeller binding and damage. An extra gasket is recommended when pump is used for fresh water closed system circulation.

SPARE PARTS - A Jabsco Service Kit (No. SK-118) should be kept on hand for on-board repairs.

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JABSCO

SELF-PRIMING PUMPS

PARTS PRICE LIST
MODEL
3590F 1"

For Chrysler Marine Engines, Ace Crown and Royal M-46, M-47, and M-48
Ace and Crown M-46-3 and M-47-3

PART NUMBER	DESCRIPTION	QTY. REQ'D.
SP-1003-01	Screws (End Cover to Body)	6
3595-01	End Cover	1
2432	Gasket	1
920	Impeller	1
SP-6080-08	Seal (Shaft)	1
SP-1004-09	Screw (Body to Cam)	1
7957	Cam and Wearplate Assembly	1
3594F	Body	1
3597-41	Shaft	1
SP-2700-20	Bearing Seal	1
SP-2600-06	Ball Bearing	1
3296	Drive Gear	1
SP-1701-185	Retaining Ring	1
3912	Gear Spacer	1
SK-118	Minor Service Kit	
11-1-63		



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