Model HF Series Marine Toilets Installation, Operation, and Maintenance

Installation: Fasten the HF toilet base to the floor with 1/4" or larger stainless steel bolts and flat washers.

Plumbing Connections: Connect 3/4" ID hose to the inlet fitting on the pump (the fitting that points diagonally downward). The inlet line must not be shared with the water supply or drain for any other accessory.

To the pump discharge connect 1-1/2" ID hose that is intended for use with raw sewage.

Double clamp both hose connections to assure efficient pumping and leak-free operation.

Vented Loops: The proper use of vacuum breakers (Vented Loops) is essential for safe efficient operation. Use a 1-1/2" Vented Loop (GROCO HVL-1500) between the HF toilet and the holding tank, treatment system, or overboard discharge seacock. The Vented Loop should be 12" or higher above the outside waterline. The relation between the outside waterline and the

internal toilet plumbing will change with vessel movement, especially with sailboat installations.

Overboard Discharge: It is illegal to discharge untreated waste directly overboard. Consult local regulations governing overboard discharge. Restrictions will vary with geographic

Operation: To flush open the valve (vertical) on the right side of the pump. This allows raw water to be drawn into the toilet pump. Pump the T-Handle up and down until the waste is removed.

Apply additional pump strokes to allow the vented loop and connected plumbing lines to be flushed clear.

Close the valve handle (horizontal) when flushing is complete. You will hear the valve click closed.

Warning: Failure to close the valve could flood the toilet.

Dry Bowl Feature: Flushing liquid waste can be accomplished without opening the valve. With the valve closed (horizontal) pump the T-Handle until the liquid is flushed clear

History:

Parts and

In 1985 HC Model production was discontinued in favor of Model HE. In 1987, HE was replaced by Model HF. The three models share most parts, but some parts for HC and HE are no longer available. HF REGULAR and HF MASTER service all models considering the service notes below. Owners of HC and HE models should consider updating to HF.

SERVICE NOTE - PISTON ASSEMBLY:

If you are replacing the piston assembly with HF-10 (HC-10 is no longer available), HF-21 shaft is required to prevent the recirculation of waste. Alternately, you may use (3) RG-3037-A washers between the handle and the pump cylinder, or update to HF Pump Assembly.

HF HF Regular Master Kit Kit Item Part Number Description Qty Comment HT-1085 Handle 1 HC & HE Models require RG-3037-A Washer 4 Χ three (3) under handle, or replace HF-21 Shaft 037-075-8 Χ Seal Χ 4 HF-C Cylinder 5 HF-20 Cam Assembly 6 1420X114HS Screw 2 1420X34RB 3 Screw 8 HF-28 Bridge 1 HC-5 9 Check Plate Χ Χ 10 HF-1 1 X Gasket 11 HC-2-A Valve Cover 1032X58HS Screw 6 13 HA-1 Elbow 14 HA-11 Bracket 1 15 1420HS Nut 1 Joker Valve 16 H-27-A 1 Χ 17 | HF-21 Shaft 1 18 HF-10 Piston Assy 1 Χ 1 Χ 19 HE-8 Gasket 20 HF-22-B Base 1827HB 21 Drain Plug 1 Χ H-6 Gasket Washer 23 16S 4 1420X2HS 4 Bolt 25 HF-26 1 Χ Spring 26 4967 Bowl 1 For HE Toilet Use HF-10; Replace HF-21 shaft also or NS HC-10 1 NLA Piston Assy use three (3) RG-3037-A beneath handle NS HT-49-A Vacuum Breaker Assy Sold Separately NS TC-50 Seat NS H-7 Bowl Elbow **NS = NOT SHOWN**

Assembly

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