

SAC 120 Drain Trap Installation & Maintenance Instructions

INSTALLATION

The drain trap must always be installed lower than the bottom of the vessel to be drained. The condensate inside the trap is maintained at a level approximately half-way up the float. If the trap is correctly installed, the vessel being drained will always be empty. If the trap is not installed below the vessel, the level of liquid in the vessel will be at the same level as the connecting drain pipe (fig. 1). The trap can discharge directly, or can be piped to the nearest drain. The system pressure will lift the condensate to a drain at a higher level than the trap, if required (fig. 2).

The condensate entering the trap displaces its own volume of air, which must escape in order for the trap to function normally. In virtually all cases, this displaced air can exit the trap via the top or inlet connection. If there are circumstances when condensate could completely flood the trap inlet, special venting provisions should be made.

A ¼" external vent connection is provided for a customer supplied vent tube to be connected to the vessel (fig. 3). Alternatively, an optional vent adaptor which allows the air to escape via the inlet

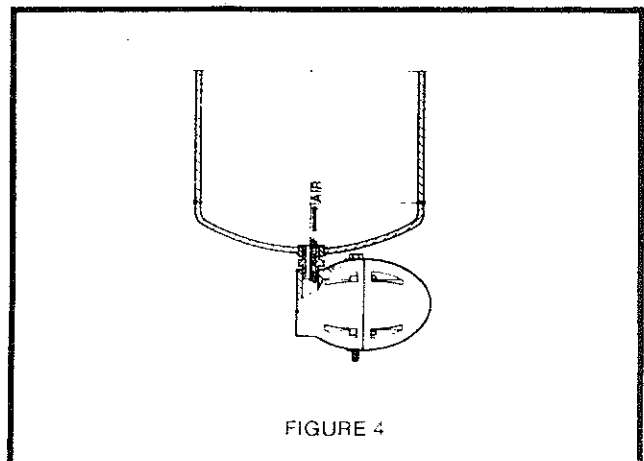
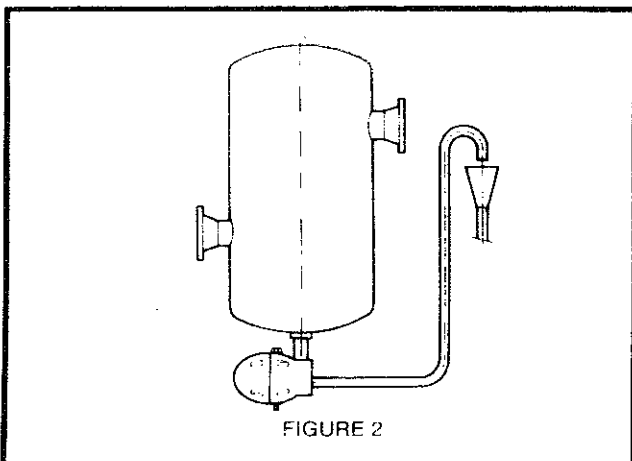
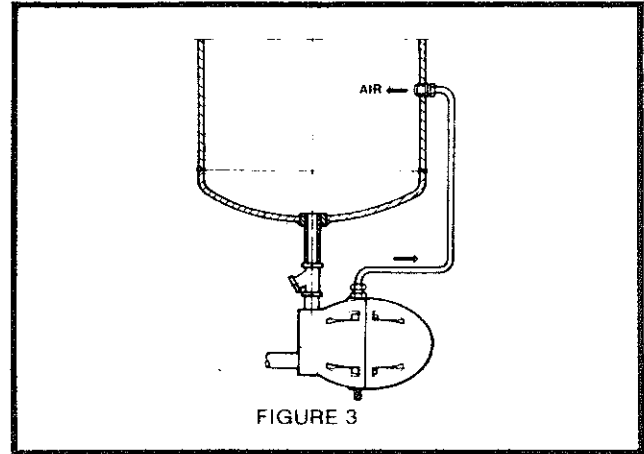
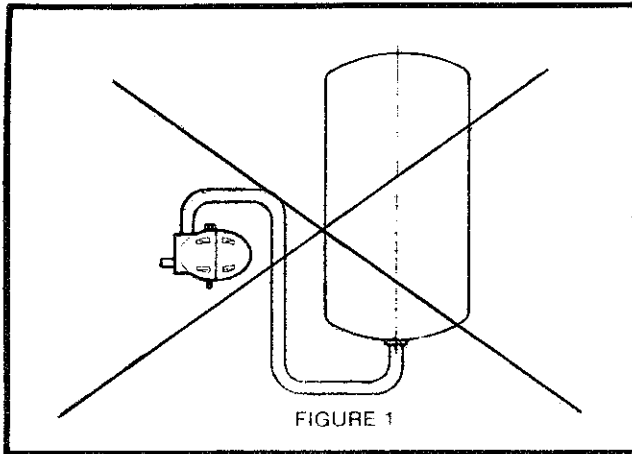
connection is available. The adaptor also simplifies installation in tight situations since it incorporates a union with an 'O' ring seal (fig. 4). Note: do not use a filter/strainer with the Hiross vent adaptor.

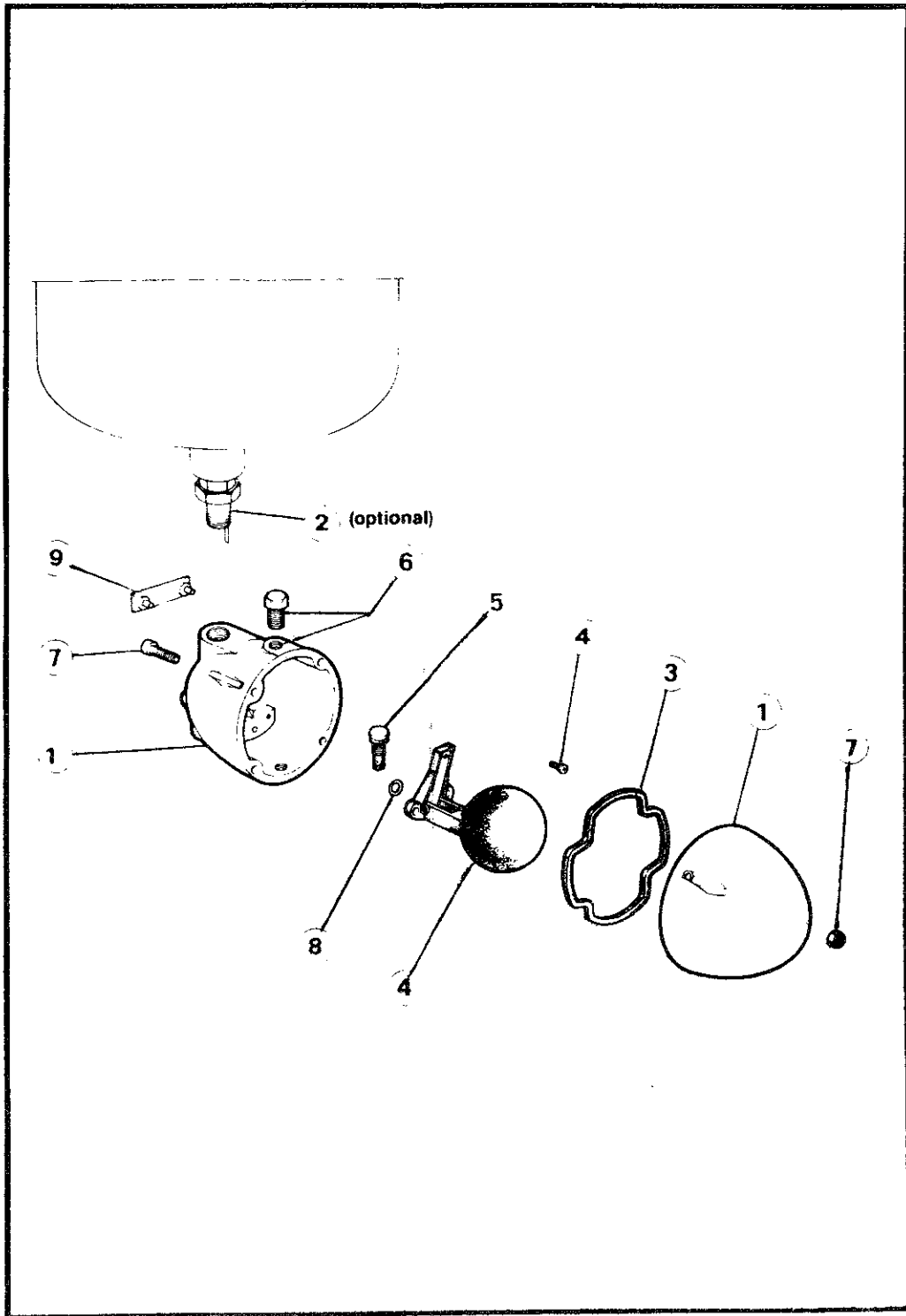
MAINTENANCE

During the first few days of installation, it is probable that any rust or dirt in the system will enter the trap and could impair its efficiency. It is recommended that the trap is opened and cleaned after several days of operation. Usually, once a year maintenance is sufficient due to the exclusive manual drain valve which should be opened weekly to check proper operation and to purge the trap of condensate, dirt and rust.

When the manual valve is opened, the trap should discharge about a ½ pint of condensate. If the quantity is significantly more, the trap is not functioning properly and should be disassembled and cleaned.

Note: the automatic discharge valve seat is made of oil resistant rubber and is reversible. By simply inverting the seat and its support plate, the useful life of the valve seat is increased by 100%.





SAC 120

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| 1. MAIN HOUSING | 5. MANUAL DRAIN VALVE |
| 2. VENT ADAPTOR | 6. EXTERNAL VENT CONNECTION |
| 3. GASKET | 7. BOLTS |
| 4. VALVE FLOAT AND LEVER | 8. GASKET |
| | 9. NAME PLATE HOLDER |