

## 1. GENERAL.

This chapter describes the optional water system.

## 2. WATER SYSTEM.

The optional water system has two water tanks located under the floor, with supply tubes to the lavatory wash basin and the large aft galley, if installed.

The system is pressurized by bleed air (ref. fig. 1), so an engine, or the APU, or an (optional) HP ground air unit must be in operation for the water system to function.

External filling is done at the water service panel on the right side of the forward fuselage. There are water level indicators on the service panel and in the large aft galley, if installed.

The tanks and supply lines are heated to prevent freezing.

### NOTE

If the aircraft is parked in freezing temperatures, the water system must be drained or a GPU connected (with EXT PWR selected ON).

The drain point at the forward service panel will drain the whole system in about 20 minutes.

The water flow from the lavatory faucet is actuated by a one-touch press switch. The flow time can be set to between 5 and 30 seconds, where 5 is the normal setting.

The system is also connected to the coffee brewer. (and the faucet in the large aft galley, if installed).

If the system runs out of water during operation, the bleed air shut-off valve must be closed (the switch is on the galley panel).

## 3. LAVATORY

The standard lavatory has:

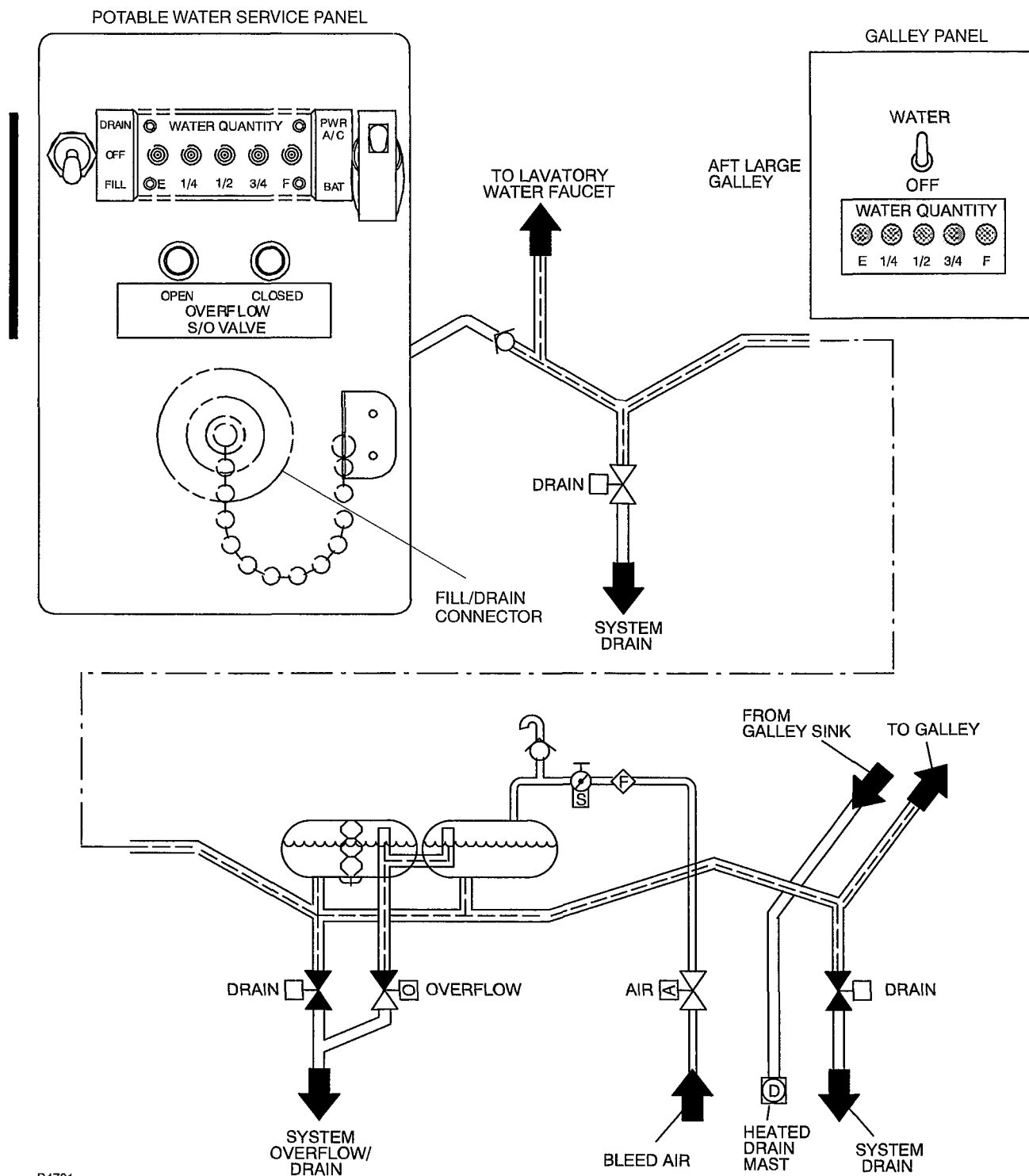
- Toilet assembly
- Trash bin (with automatic fire extinguisher)
- Passenger Service Unit
- Wash basin
- Signs and placards
- Smoke detector
- Drop-out oxygen mask.

### NOTE

A water heater to supply warm water to the lavatory wash basin is optional.

The toilet is serviced from an external service panel.

The toilet water should be prefilled with 8 L (2.0 U.S. gal) of water and 60 g (2.0 oz) of Monogram MC-2000 Chemical or equivalent.



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FIG. 1. Dual water tank system (optional).

**4. ELECTRICAL POWER SUPPLY.****Lavatory**

## — LAVATORY —

Toilet and light .....	R UTILITY BUS	S - 31	TOILET & LIGHT
Light .....	C HOT BAT BUS	E - 28	INT LTS CABIN CEILING FWD/AFT ■
Water heater .....	L FWD AC GEN BUS	S - 32	POTABLE WATER HEATER
Water control .....	R MAIN/BAT BUS	S - 33	POTABLE WATER CTL
Water indication .....	R MAIN/BAT BUS	S - 34	POTABLE WATER IND
Water pump .....	R MAIN/BAT BUS	S - 35	POTABLE WATER PUMP

**Water**

## — WATER HEAT —

Water pipe heat .....	L FWD AC GEN BUS	J - 33	PIPE
Water tank heat .....	L FWD AC GEN BUS	J - 34	TANK

**Galley**

## — GALLEY —

Galley control .....	R UTILITY BUS	R - 36	CTL
Galley drain mast .....	R FWD AC GEN BUS	S - 36	DRAIN MAST

## 4. ELECTRICAL POWER SUPPLY.

### Lavatory

— LAVATORY —

Toilet and light .....	R UTILITY BUS	S – 31	TOILET & LIGHT
Light .....	C HOT BAT BUS	E – 28	INT LTS CABIN CEILING FWD/AFT ■
Water heater .....	L FWD AC GEN BUS	S – 32	POTABLE WATER HEATER
Water control .....	L HOT BAT BUS	J – 35	POTABLE WATER CTL 1
Water control .....	L MAIN BUS	J – 36	POTABLE WATER CTL 2

### Water

— WATER HEAT —

Water pipe heat .....	L FWD AC GEN BUS	J – 33	PIPE
Water tank heat .....	L FWD AC GEN BUS	J – 34	TANK

### Galley

— GALLEY —

Galley control .....	R UTILITY BUS	R – 36	CTL
Galley drain mast .....	R FWD AC GEN BUS	S – 36	DRAIN MAST