### Water System Components

#### Galley/Water Drain Valve

![Galley/Water Drain Valve Image](image1)

A lightweight composite valve designed to drain waste water in a continuous cycle via the outlet connection. The unit acts as an air stop device to prevent loss of cabin pressure through the normally open sink, and a backflow prevention device is incorporated within the assembly.

- **Material**: Lightweight composite
- **Flow Rate**: 4.4 Litres/min @ 650mbar
- **200mm Water Head**
- **Dry Weight**: 0.22kg (0.49lbs)
- **Temperature Range**: 1°C to 85°C
- **Inlet Connection**: MS33660-16, MS33660-12
- **Outlet Connection**: MS33660-16, MS33660-12, MS33660-10
- **Dimensions**: 134mm x 150mm x 169mm (5.28in x 5.91in x 6.65in)

#### Waste Water Drain Valve - Type 9350140

![Waste Water Drain Valve - Type 9350140 Image](image2)

Suitable for aircraft galley water/waste systems.

- **Material**: Lightweight composite
- **Flow Rate**: 4.4 Litres @ 650mbar
- **125mm Water Head**
- **Dry Weight**: 0.35kg (0.77lbs)
- **Temperature Range**: -55°C to 85°C
- **Inlet Connection**: MS33660-16
- **Outlet Connection**: MS33660-16
- **Dimensions**: 157mm x 134mm x 132mm (6.18in x 5.27in x 5.19in)

#### Pressure Reducing Valve - Type 230003C

![Pressure Reducing Valve - Type 230003C Image](image3)

Designed for engine bleed air or ground compressed air systems.

- **Material**: Light alloy
- **Typical Performance**
  - **Inlet Pressure**: 59psi
  - **Outlet Pressure**: 25 - 30psi
  - **Relief Pressure**: 34psi
  - **Air flow**: 2scfm (56.6ltr/min)
- **Dry Weight**: 0.225kg (0.5lbs)
- **Inlet Connection**: MS33514E6
- **Outlet Connection**: MS33514E8
- **Dimensions**: 93mm x 67.3mm x 50.8mm (3.66in x 2.65in x 2in)

#### Float Valve - Type 330002C

![Float Valve - Type 330002C Image](image4)

Float valve to prevent water entering the air supply in a potable water system.

- **Material**: Stainless Steel
- **Operating Pressure**: 0 - 50psi
- **Dry Weight**: 0.55kg (1.21lbs)
- **Temperature Range**: -55°C to 85°C
- **Inlet Connection**: MS33514-12
- **Outlet Connection**: MS33514-12
- **Dimensions**: 84mm x 47mm x 70mm (3.3in x 1.85in x 2.76in)

#### Motorized Ball Valve - Type 8084240H

![Motorized Ball Valve - Type 8084240H Image](image5)

The unit comprises of a stainless steel 4-way ball valve and a 28V electrically operated flat actuator, coupled together by a clamp ring. A manual override feature is included within the design of the actuator and this enables the unit to be manually operated in a ‘power off’ situation.

- **Material**: Stainless Steel
- **Operating Pressure**: 0 - 50psi
- **Dry Weight**: 1.25kg (2.75lbs)
- **Temperature Range**: -55°C to 85°C
- **Inlet Connection**: MS33514-12
- **Outlet Connection**: MS33514-12
- **Dimensions**: 159mm x 135mm x 81mm (6.25in x 5.325in x 3.2in)
Installed in potable water drainage systems.

The NRV has a proprietary sealing device that has no internal spring. The NRV is normally open, but will close with a 1 inch water head (0.03psi). Allows potable water system to fully drain.

Material: Stainless Steel
Operating Pressure: 0 - 50psi
Cracking Pressure: Nil (normally open)
Internal Leakage: Zero (between 0.06-50psi)
Installation: 0 to 15º from vertical
Dry Weight: 0.15kg (0.33lbs)
Temperature Range: -55°C to +85°C
Inlet Connection: MS33514-6 9/16”-18 UNJF-3A
Outlet Connection: MS33514-8 9/16”-18 UNJF-3A

Water/Waste NRV - Type 400179 3/8"

Installed in the potable water line.

The NRV is a poppet type valve that directs the water flow in the potable water lines.

Material: Stainless Steel
Operating Pressure: 0 - 250psi
Cracking Pressure: 0.03psi
Dry Weight: 0.145kg
Temperature Range: -55°C to +85°C
Inlet Connection: MS33514-6 9/16”-18 UNJF-3A
Outlet Connection: MS33514-8 3/4”-16 UNJF-3A

Non-Return Valve - Type 400207 3/8"

Installed in the compressed air supply of potable water tanks.

The NRV is a poppet type valve which is spring loaded to the closed position. Typical cracking pressure 1.5psi can be tailored to suit customer requirements, along with interface connections.

Material: Stainless Steel
Operating Pressure: 0 - 60psi
Cracking Pressure: 1.3-1.5psi
Dry Weight: 0.18kg (0.396lbs)
Temperature Range: -55°C to +250°C
Inlet Connection: MS33514-6 9/16”-18 UNJF-3A
Outlet Connection: MS33514-8 3/4”-16 UNJF-3A

Vent Valve - Type FRH200058C

Potable water vent valve.

The vent valve allows venting or bleeding air from a potable water system during either filling or draining and to close when the system becomes pressurised.

Material: Stainless Steel/Plastic
Operating Pressure: 0.06 - 50psi
Internal Leakage: Zero (between 0.06-50psi)
Installation Attitude: Vertical to 15º from vertical
Dry Weight: 0.11kg (0.243lbs)
Temperature Range: -55°C to +85°C
Inlet Connection: MS33514-6 9/16”-18 UNJF-3A
Outlet Connection: MS33514-8 3/4”-16 UNJF-3A

Non-Return Valve - Type 9811795

Designed for use in a vacuum toilet system water supply line.

The NRV is a poppet type and has MS33514-12 end connections. Typical cracking pressure 12psi (82.7kPa). Interface connections to suit customer requirements.

Material: Stainless Steel
Operating Pressure: 30 - 50psi
Cracking Pressure: 1.2psi
Dry Weight: 0.26kg (0.57lbs)
Temperature Range: -55°C to +85°C
Inlet Connection: MS33514-12
Outlet Connection: MS33514-12

Non-Return Valve - Type 9811025

The NRV has Hydraflow 14F03-12 interface connections and is designed for use in the aircrafts vacuum water system.

Material: Lightweight composite
Operating Pressure: 30 - 50psi
Cracking Pressure: 1.4psi
Dry Weight: 0.046kg (lbs)
Temperature Range: -15°C to +70°C
End Connections: Hydraflow flange 14F03-12
Dimensions: 89.4mm x 25.4mm (3.52in x 1.0in)