

3-WAY CNG REFUELLING BALL VALVE

Type: High-pressure 3-way ball valve for CNG vehicle refuelling, manually operated, 90° operation, three positions FILL/OFF/VENT.

Working pressure: **250 bar minimum**

Design pressure: **≥ 300 bar**

Preferred pressure rating: **≥ 400 bar**

Medium: Compressed Natural Gas (CNG), methane.

Body: **316/316L stainless steel.**

Ball and stem: Stainless steel.

Seats: **PEEK or equivalent high-cycle CNG-compatible material.**

Seals: PTFE/modified PTFE/UHMWPE or equivalent, compatible with CNG and operating temperature.

Temperature range: **−40 °C to +65 °C minimum.**

Flow pattern: L-port, 3-way switching with dedicated vent port.

Valve shall be suitable for **high-frequency fast-fill CNG dispenser operation** and shall incorporate a trunnion-type ball, spring-loaded seats and stem blowout protection.

The valve shall provide bubble-tight shutoff and shall be externally leak-tight throughout the specified pressure and temperature range.

Manufacturer shall provide pressure, leakage and cycle-life test data.

Valve shall be supplied with material certificates, pressure-test certificate and applicable CNG/NGV conformity documentation.