

# Compac Priority Panels

- Compac CNG priority panels are designed around the Compac Priority Valve which is extremely reliable and requires minimal maintenance.
- All materials used in the priority panels are of the highest quality and made of stainless steel for the best corrosion resistance.
- The complete priority panel is tested on natural gas at our CNG station before being dispatched. No on-site adjustment required.

## Standard Priority Panel Features

- Full stainless steel construction. Includes all valves, fittings, tubing, mounting plate, hardware and brackets
- Panel is assembled and tested on CNG at our factory
- Working Pressure 275 bar (350 bar optional)
- Flowrate in excess of 3,000 m<sup>3</sup>/hr
- All valves stainless steel with 3/4" SAE ports
- High flow Compac Priority Valve set to sequence at 230 bar (adjustable). Metal to metal seat with teflon seal. Seal can be replaced without removing any pipework. Model PCI12-SS
- Compac Check Valves on all banks. Metal to metal seat with 1/4" gauge port on outlet. Model CVCI12-SS
- Dual scale pressure gauges Ø63mm 0-400 bar and psi on inlet and outlets
- Manual isolating valve on inlet and outlets
- Bleed valves on inlet and each priority valve
- All inlet and outlet ports are 3/4" SAE female

## Priority Panel Models

- One bank with compressor top up. CTU1B-PFP
- Two bank. 2B-PFP
- Two bank with compressor top up. CTU2B-PFP
- Three bank. 3B-PFP
- Three bank with compressor top up. CTU3B-PFP
- Two bank with compressor top up with daughter station option. CTU2B-PFP-DTR

## Options

- Different sequencing pressure (standard 230 bar)
- Emergency solenoid shutoff to automatically prevent flow of gas when 240V power is removed
- Relief valves on every bank to prevent an over pressure situation
- Option of tube fittings or thread adaptors installed in inlet and outlets

## Operation

- Gas flow through the priority panel is from left to right, with the outlets to storage and forecourt on the bottom of the panel
- The Compac Priority Valve opens when the inlet pressure reaches 230 bar. Gas is then allowed to flow to the common outlets on the bottom and right hand side of the valve.
- When all banks reach 230 bar they all fill up together until the compressor shuts off
- The check valves on each line prevent reverse flow through the priority panel.
- For CTU panel an additional check valve allows one-way flow from high pressure storage to forecourt
- The station can be kept running while the manual isolation valves are shut for maintenance work. The bleed valves are used to remove the gas trapped by the check valves.

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