

Priority Panel / 3 Bank CTU

Description

The Compressor Top Up (CTU) Three Bank Priority Fill Panel directs gas to the high forecourt line.

When the high forecourt line reaches 230 bar the priority valve PV1 opens to let gas flow into the high storage bank. Back flow from the high forecourt line is prevented by check valves CV1 and CV4. When the high storage bank reaches 230 bar the priority valve PV2 opens to let gas flow into the medium storage bank. Back flow from the high storage bank is prevented by check valve CV2. When the medium storage bank reaches 230 bar the priority valve PV3 opens to let gas flow into the low storage bank. Back flow from the medium storage bank is prevented by check valve CV3.

If the medium storage bank falls below 230 bar the priority valve PV3 shuts so the compressor must top up the medium storage bank. If the high storage bank falls below 230 bar the priority valve PV2 shuts so the compressor must top up the high



storage bank. If the high storage bank falls below 230 bar the priority valve PV1 shuts so the compressor must top up the high forecourt line.

Gas flows through a check valve CV4 from the high storage bank to the high forecourt line.

When all the banks reach 230 bar they all fill up together until the compressor shuts off.

