Technical Data Sheet

COLTRI COMPRESSORS

ACCESSORIES

REMOTE FILLING PANELS



Contact

The filling panels are used for tanks; they can be feeded either with compressed air banks or with HP compressors. These panels can fill cylinders from 225 up to 300 bar. Any other use is inappropriate: the manufacturer cannot be held liable for any personal injury or damage to objects / the filling panel itself caused by improper use. Compatible gases: Nitrogen, Helium, Nitrox up to max 40% of Oxygen.
To ensure maximum working efficiency, Coltri Compressors has constructed the filling panel with carefully selected components and materials. The filling panel is tested prior to delivery.

Continued filling panel efficiency over time will also depend on proper use and maintenance as per the instructions contained in this manual. All the components, connections and controls used in its construction have been designed and built to a high degree of safety so as to resist abnormal strain or in any case a strain greater than that indicated in the manual. Materials are of the finest quality; their introduction and storage in the company and their utilisation in the workshop are controlled constantly so as to prevent any damage, deterioration or malfunction.

Priority panel (only on double-pressure filling panels)

The priority panel is an ideal solution for simple and effective storage management. It automatically manages the flow of air in the filling station between the compressor, storage, and cylinders. The user can simply connect empty cylinders to the filling panel and open their valves.

Operation

- Compressed air from the storage system is siphoned into the cylinder.
- If the pressure drop in the storage exceeds the delta P set in the pressure switch, the compressor turns on.
- The siphoning lasts until the pressure equilibrium between the compressed air cylinder and the storage system is reached.
- When pressure equilibrium is reached, the compressor fills, until the cylinder's filling pressure is reached, the compressed air cylinder.
- When the cylinder has been filled, a new switchover occurs through a hold valve and the compressor fills the storage system until it automatically shuts off when the maximum fill pressure is reached.

This procedure takes place without manual intervention

Available models

	COD
Remote filling panel single pressure (chosen from DRV DIN 232 bar, DRV DIN 300 bar or DRV INT/YOKE 232 bar)	SC000325/I
Remote filling panel double pressure (chosen from DRV DIN 232 bar + DRV DIN 300 bar or DRV INT/YOKE 232 bar + DRV DIN 300 bar) Including Priority Panel	SC000329/I
Remote filling panel single pressure with lever taps (chosen from DIN 232 bar, DIN 300 bar or INT/YOKE 232 bar)	SC000327/I
Remote filling panel double pressure with lever taps (chosen from DIN 232 bar, DIN 300 bar or INT/YOKE 232 bar) Including Priority Panel	SC000331/I
Remote filling panel single pressure **with lever valve for SCBA 300 bar stainless steel**	SC000326/I

Remote filling panel single pressure with lever valve for SCBA 300 bar stainless steel



Dimensions

Width 34 cm (13.3”)
Depth 26,9 cm (10.5”)
Height 43,6 cm (17.1”)





Components

1. Frame
2. Operating pressure gauge
3. Refill hoses connection
4. Opening/closing discharge air levels
5. Charging block
6. Air/Gas Inlet

Remote filling panel single pressure

Filling connections choice of: DRV DIN 232 bar / DRV DIN 300 bar / DRV INT/YOKE 232 bar

Filling connections



DVR DIN 232 bar



DVR DIN 300 bar



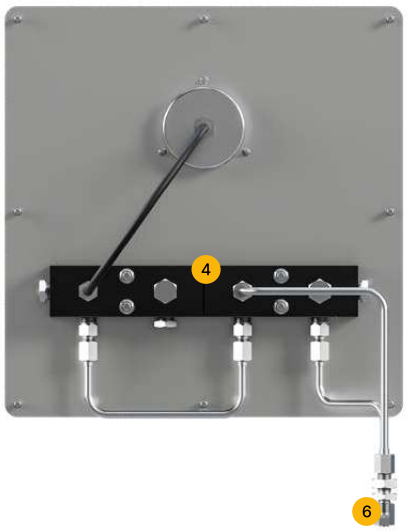
DVR DIN INT/
YOKE 232 bar



Dimensions

Width 34 cm (13.3”)
Depth 26,9 cm (10.5”)
Height 43,6 cm (17.1”)





Components

1. Frame
2. Operating pressure gauge
3. Air/Gas Outlet
4. Charging block
5. Filling hose holder
6. Air/Gas Inlet

Remote filling panel double pressure with priority panel

Filling connections choice of: DRV DIN 232 bar + DRV DIN 300 bar / DRV INT/YOKE 232 bar + DRV DIN 300 bar

Filling connections



DVR DIN 232 bar



DVR DIN 300 bar



DVR DIN INT/
YOKE 232 bar



Dimensions

Width 34 cm (13.3”)
Depth 26,9 cm (10.5”)
Height 43,6 cm (17.1”)





Components

1. Frame
2. Operating pressure gauge
3. Line pressure gauge
4. Air/Gas Outlet
5. Charging block
6. Pressure reducer
7. Safety valve
8. Filling hose holder
9. Air/Gas Inlet

Remote filling panel single pressure with lever taps

Filling connections choice of: DIN 232 bar / DIN 300 bar / INT/YOKE 232 bar

Filling connections



DIN 232 bar



DIN 300 bar



DIN INT/YOKE 232 bar



Dimensions

Width 34 cm (13.3")
Depth 26,9 cm (10.5")
Height 43,6 cm (17.1")





Components

1. Frame
2.
3. Operating pressure gauge
4. Air/Gas Outlet
5. Opening/closing discharge air levels
6. Charging block
7.
8. Filling hose holder
9. Air/Gas Inlet

Remote filling panel double pressure with lever taps with priority panel

Filling connections choice of: DIN 232 bar + DIN 300 bar / INT/YOKE 232 bar + DIN 300 bar

Filling connections



DIN 232 bar



DIN 300 bar



DIN INT/YOKE 232 bar



Dimensions

Width 34 cm (13.3")
Depth 26,9 cm (10.5")
Height 43,6 cm (17.1")





Components

1. Frame
2. Operating pressure gauge
3. Line pressure gauge
4. Air/Gas Outlet
5. Opening/closing discharge air levels
6. Charging block
7. Pressure reducer
8. Safety valve
9. Filling hose holder
10. Air/Gas Inlet

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