

Pressure control panels CRS



CRS2000V-1



CRS2000V-2



CRS2000V-2L

(in-/outlet fittings not part of standard scope of supplies)

Product features

- Wall- and cabinet-mounting pressure control panels
- For non-corrosive high-purity gases up to quality 5.0
- Ergonomically designed
- Modular design to be extended to 2, 3 etc. cylinders
- Regulator with high control accuracy and relief valve
- Filter in the pressure regulator
- Shut-off valves with On/Off position indicators
- Laboratory-style design for easy installation
- Tested for use with oxygen
- Panels suitable for inlet pressure up to 300 bar
- Safety pressure gauges with dual bar/psi scale
- Powder-coated bonnet
- Single-sided models, manual or automatic change-over models available
- Complete range of accessories available: cylinder brackets, cylinder connections, pigtails, high pressure hoses, alarm units, contact gauges for low contents alarm, etc.

Technical data

Type	single-stage
Inlet pressure P₁	max. 300 bar
Outlet pressure P₂ for -2L version:	max. 10 bar 6-12 bar
Materials	
Body regulator and valves:	brass
Bonnet:	brass, powder coated
Valve seat regulator:	PA
Diaphragm regulator:	SS 1.4310
Filter regulator:	Stainless steel 1.4404
Mounting plate:	Stainless steel
In- / Outlets	1/4"-NPT female
Outlet relief valve	1/8"-NPT female
Temperature range	-20°C to +60°C
Leak rate (external)	≤10 ⁻⁷ mbar l/s He
Pressure gauges	Safety pressure gauge
CRS2000V-1 / -2: G 1/4"	ISO5171/KI2.5/NG63
CRS2000V-2L: 1/4"-NPT	with bar/psi scale
Weight	
CRS2000V-1 / -2 / -2L:	3,7 / 5,5 / 7,5 kg
Extensions:	1,1 kg (each)

Ordering information: **CRS2000 V - 1 x 3 - N2**

Control panel

- 0** without high pressure venting valve(s)
- V** with high pressure venting valve(s)

Type

- 1** 1-sided
- 1K** 1-sided with contact pressure gauge (inlet)
- 2** 2-sided
- 2K** 2-sided with contact pressure gauges (inlet)
- 2L** 2-sided with automatic change-over function
- 2LK** 2-sided with automatic change-over function and with contact pressure gauges (inlet)

Type of gas

Please specify type of gas!

Extensions

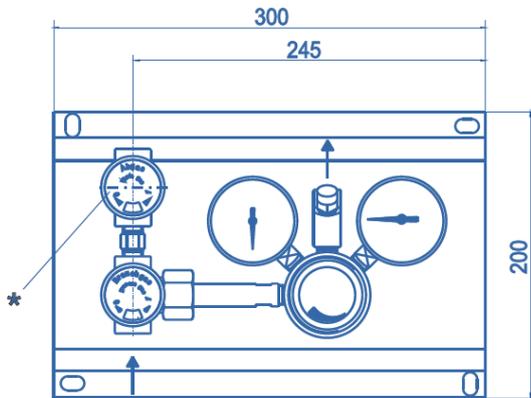
- 1** basic version no extension
- 2** 2 extensions per side
- 3** 3 extensions per side
- n** n extensions per side

Pressure control panels CRS



CRS2000V-1
(single-sided, 1x1)

*) high pressure vent valves only for CRS 2000V models



Flow rates pressure regulators:

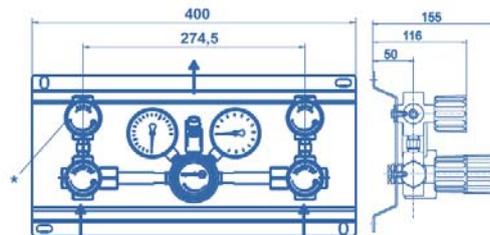
Oxygen Inlet pressure (Pv) [bar]	Flow rate (Vn) [m ³ /h] at outlet pressure (P) [bar]			
	1	2,5	4	10
40	15	30	40	50
20	15	20	25	30
10	15	15	15	--
5	10	10	10	--

For other gases this flow rate must be multiplied with the following factors:

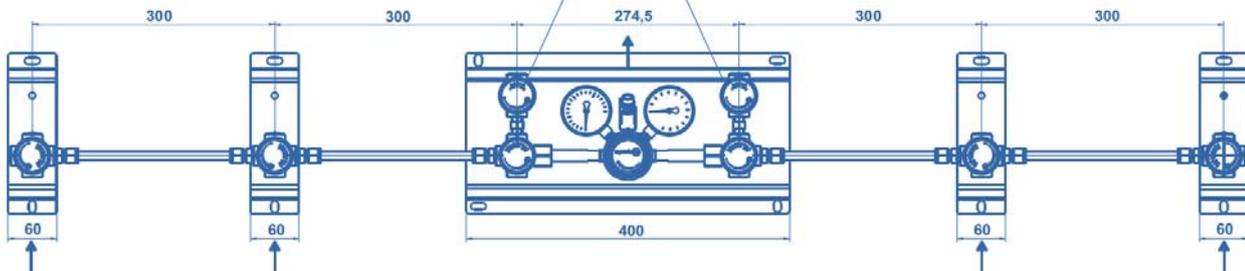
Nitrogen	1,05
Hydrogen	4,00
Argon	0,90
Carbon dioxide	0,85
Helium	2.83

Right: CRS 2000V-2
(double-sided, 2x1, manual change-over)

Below: CRS 2000V-2x2
(double-sided, 2x2, c/w extensions)

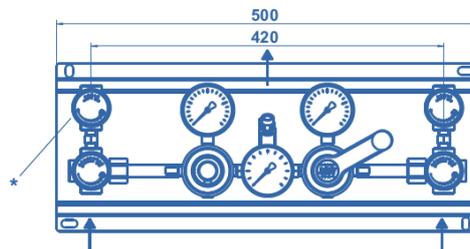


*) high pressure vent valves only for CRS 2000V models



Right: CRS 2000V-2L
(double-sided, 2x1, auto-change-over)

Below: CRS 2000V-2Lxn
(double-sided, 2xn, auto-change-over c/w extensions)



*) high pressure vent valves only for CRS 2000V models

