

# 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

<b>Type</b>	single-stage
<b>Inlet pressure P<sub>1</sub></b>	max. 300 bar
<b>Outlet pressure P<sub>2</sub></b> for -2L version:	max. 10 bar 6-12 bar
<b>Materials</b>	
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
<b>In- / Outlets</b>	1/4"-NPT female
<b>Outlet relief valve</b>	1/8"-NPT female
<b>Temperature range</b>	-20°C to +60°C
<b>Leak rate (external)</b>	≤10 <sup>-7</sup> mbar l/s He
<b>Pressure gauges</b>	Safety pressure gauge
CRS2000V-1 / -2: G 1/4"	ISO5171/KI2.5/NG63
CRS2000V-2L: 1/4"-NPT	with bar/psi scale
<b>Weight</b>	
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

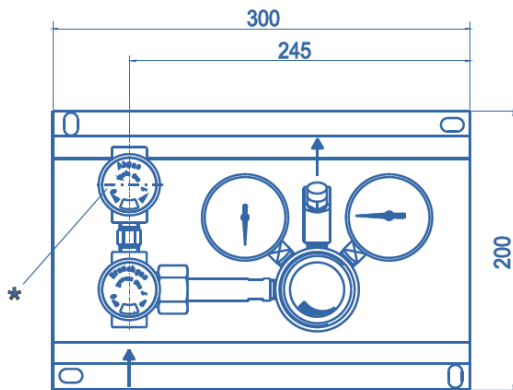
- 1** basic version no extension  
**2** 2 extensions per side  
**3** 3 extensions per side  
**n** n extensions per side

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## CRS2000V-1 (einseitig, 1x1)

\*) Hochdruck Abgasventil  
nur bei der CRS2000V Version



## Durchflussmengen der Druckregler:

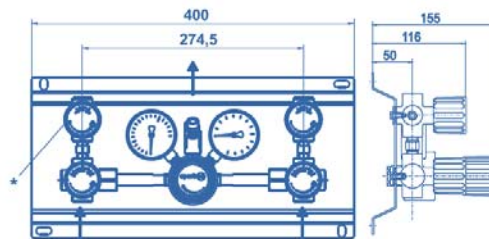
Sauerstoff Vordruck ( $P_1$ ) [bar]	Durchflussmenge ( $V_n$ ) [m <sup>3</sup> /h] bei Hinterdruck ( $P_2$ ) [bar]			
	1	2,5	4	10
40	15	30	40	50
20	15	20	25	30
10	15	15	15	-
5	10	10	10	-

Für andere Gasarten wird der Durchfluss  
mit diesen Faktoren multipliziert:

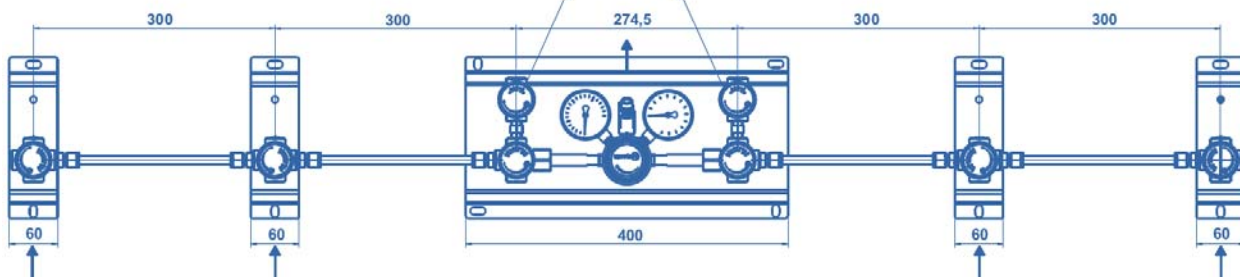
Stickstoff	1,05
Wasserstoff	4,00
Argon	0,90
Kohlendioxid	0,85
Helium	2,83

## rechts: CRS2000V-2 (zweiseitig, 2x1, manuelle Umschaltung)

## unten: CRS2000V-2x2 (zweiseitig, 2x2, mit Erweiterungen)

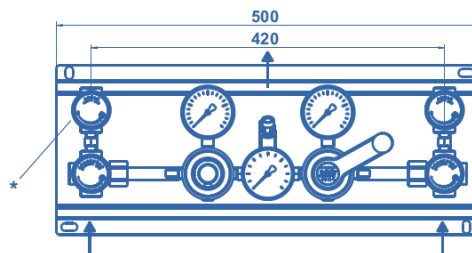


\*) Hochdruck Abgasventil  
nur bei der CRS2000V Version



## rechts: CRS2000V-2L (zweiseitig, 2x1 mit automatischer Umschaltung)

## unten: CRS2000V-2Lxn (zweiseitig, 2xn mit automatischer Umschaltung und Erweiterungen)



\*) Hochdruck Abgasventil  
nur bei der CRS2000V Version

