Medical & Industrial Pipeline Systems Ltd.

For A World Under Pressure

ISO 9001 REGISTERED FIRM

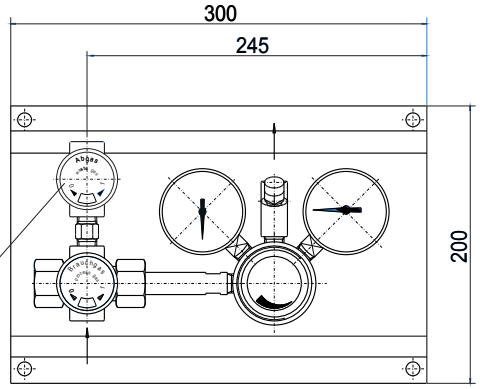
5.0 COM MANIFOLDS

CRS2000V-2L automatic change-over model

Product features

- Wall- and cabinet-mounting pressure control panels
- Wall-mounting tapping points
- For non-corrosive high-purity gases up to quality 5.0
- Laboratory-style design
- Ergonomically designed
- Modular design to be extended to 2, 3 etc. cylinders
- Filters at the process gas inlet valves and at the pressure regulator
- Shut-off valves with On/Off position indicators
- Regulator with high control accuracy and relief valve
- Designed 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 mounting plate and bonnet
- Single-sided models, manual or automatic changeover models and tapping points available
- Complete range of accessories available: cylinder brackets, cylinder connections, pigtails, high pressure hoses, alarm

Technical data	
Type:	single-stage
Inlet pressure P :	max. 300 bar
Outlet pressure P :	max. 10 bar
for -2L models:	6-12 bar
Materials:	brass
Body regulator and valves:	brass, powder-coated
Bonnet:	PA
Valve seat regulator:	SS 301 (SS 1.4310)
Diaphragm regulator:	Stainless steel
Mounting plate:	Sintered bronze
Filter process gas valve:	Sintered SS 316L
Filter pressure regulator:	
	1/4”-NPT female
In-/Outlet connectors:	1/8”-NPT female
Outlet relief valve:	-30 C to +60 C
Temperature range:	1x10 mbar l/s He
Leak rates (int. and ext.):	Safety pressure gauges
Pressure gauges:	EN562 / Cl 2.5 / NG63
	with dual bar / psi scale
Weight:	3,7 / 5,5 / 7,5 kg
CRS2000V-1 / -2 / -2L:	1,1 kg (each)
Extensions:	



Right: CRS 2000V-1 *
(single-sided, 1x1)

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

CRS2000V-2 manual change-over model

CRS2000V-1 single-sided model

Flow rates pressure regulators:

Oxygen Inlet pressure (Pv)	Flow rate (Vn) [m^3/h] at outlet pressure (P) [bar]			
[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

Medical & Industrial Pipeline Systems Ltd, Dunshaughlin, Co. Meath, Ireland Tel: 00353 1 825 0677 email: sales@mips.ie web: mips.ie