

SERIES CMC 280 / CMC 380 | SUPPLY BOARD

- Cartridge single stage
- Purity up to 6.0
- Inlet pressure:
230 bar (3335 psig)
or 300 bar (4350 psig)
- Outlet pressure:
10 / 16 / 35 / 50 bar
145 / 232 / 508 / 725 psig

- ★ Inlet/outlet pressure gauges
- ★ 1 relief valve
- ★ 1 purge outlet
- ★ O₂ compatible
(see technical data)
- ★ Regulator with
cartridge technology

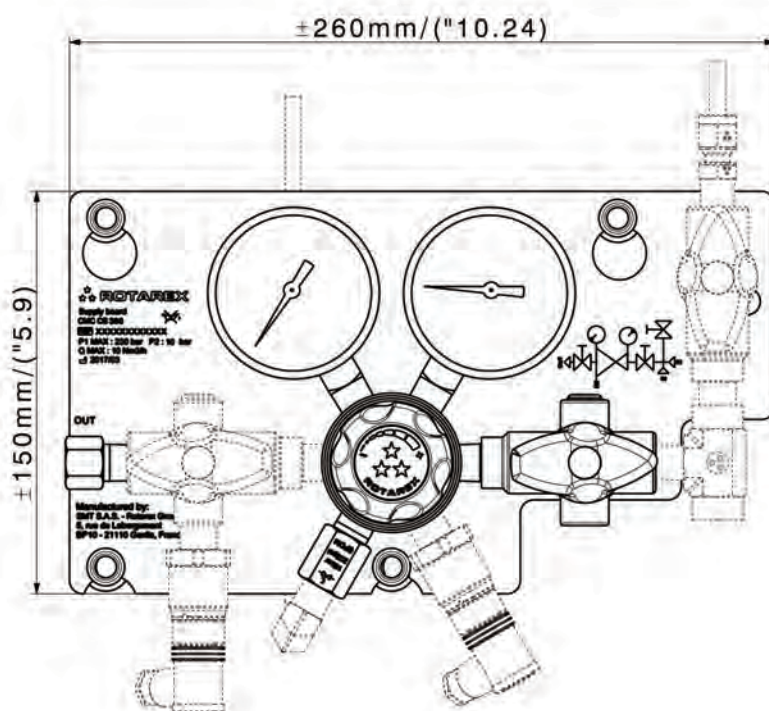
Special requirements on request

APPLICATIONS

- Ideally suited for pure and corrosive gases for high purity applications dedicated to the supply of gas to analyzers and to the creation of controlled atmosphere in laboratories, control units, and for petrochemical applications where high flows are required
- Used in combination with a switchover board for the regulation of the emergency source during maintenance on the principal source. This avoids installing some extension and reducing the amount of leaking points

KEY FEATURES

- Ready to install with all components pre-mounted on a board.
- Best-in-class pressure stability with Cartridge Technology: the effect of inlet pressure fluctuations on outlet pressure are minimized. Cartridge Technology enables the delivery of a very stable outlet pressure and flow even with high flow line regulators.
- Cartridge technology increases regulator life and reduces ownership costs.
- Can be equipped with a collection tube on the relief valve and purge outlet.
- Can also be equipped with an outlet shut-off valve.
- The CMC 280 / CMC 380 can be connected to an alarm box using contact gauges.



Dotted lines = Full options

SPECIFICATIONS

Inlet / outlet ports	¼ NPT	Leak rate	10 ⁻⁸ mbar ℓ/s He	Inlet pressure	230 / 300 bar 3335 / 4350 psig
O-ring	EPDM - standard FPM	Temperature range	-20°C to + 60°C -4°F to + 140°F	Outlet pressure	10 / 16 / 35 / 50 bar 145 / 232 / 508 / 725 psig
Diaphragm	Hastelloy®	Nominal Flow	Up to 30 Nm³/h (N₂) depending on outlet pressure	Oxygen use	Only with brass and inlet pressure 230 bar
		Gauges	¼ NPT		

PRODUCT CONFIGURATOR

	Body Material		Inlet Pressure		Outlet Pressure		Outlet Valve		Purge		Measurement		Sensors		Configurations		Gas*	
CMC	CB / SS		280		16		V		P		M63		O		S		N ₂	
	Chrome plated brass	CB	230 bar 3335 psig	280	10 bar 145 psig	10	Outlet valve ¼ NPT	V	With purge valves	P	Pressure gauge (63 mm)	M63	Pressure sensor HP	HP	Standard	S	N ₂	N2
	Stainless steel	SS	300 bar 4350 psig	380	16 bar 232 psig	16	None	0	Without purge valves	0	Contact gauges HP (50 mm)	CGH 50	Pressure sensor LP	LP	Collected safety relief valve and purge	CL	Ar	Ar
	Raw brass	RB			35 bar 508 psig	35					Contact gauges LP (50 mm)	CGL 50	Pressure sensor HP+LP	HLP			O ₂	O2
					50 bar 725 psig	50					Contact gauges LP+HP (50 mm)	CGHL 50	None	0			CO ₂	CO2
																	N ₂ O	N2O
																	He	He
																	H ₂	H2
																	*Other gases on demand	