

GCE CENTRAL GAS SYSTEMS



LABORATORY PRESSURE REGULATORS EMD 3100 - SURFACE MOUNTED



Single-stage, for inert, reactive, flammable and oxidizing gases and gas mixtures, purity max. 6.0. EMD 3100: Inlet pressure 40 bar, Outlet pressure 0.1 – 10 bar
EMD 3104 (analytic version): Inlet pressure 12 bar, Outlet pressure 0.1 – 4.4 bar

SPECIAL FEATURES

- > Pressure regulator with integrated shut-off function
- > Coloured identification of shut-off positions
- > Highly compact form
- > ECD-compliant
- > Ergonomic positioning of the operational elements
- > User-friendly system solutions for laboratory applications
- > Adjustment knob with gas type identification according to EN 13792
- > Analytic version optionally available

DESCRIPTION

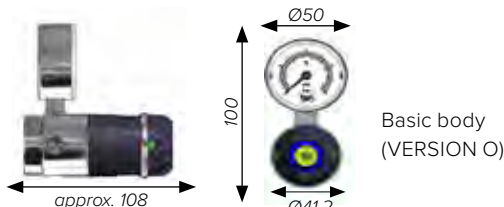
The basic version of this pressure regulator with gauge includes an integrated quick-closing function. The gas type is indicated on the front side of the pressure regulator with the appropriate decal. The wall mounting use a wall adapter or a wall mounting plate; the gas supply is brought in through the wall. Further installation versions (on mounting plates) allow for the gas supply to come from the top or the bottom. The bench mounting or the wallmounted version is simply and flexibly accomplished with the help of the same adaptor. Numerous other variations are possible.

APPLICATION

This highly compact, space saving designed laboratory point-of-use regulator is suitable for surface wall mounting, for installation on tables or a wallmounted version as well as the installation in diverse supply channels. The systems versatile configuration options cover all the customary lab applications and fit to all laboratory furnishings. An analytic version (LAB 3104) is specially designed for low pressure applications in the automotive industry and offers extremely fine adjustment possibilities for pressure and flow rate.

TECHNICAL DATA	
Body:	Stainless steel 316L (1.4404) specially cleaned and electro-polished or brass
	CW614 (CuZn39Pb3) specially cleaned, nickel-plated and chrome-plated
Gauge:	Safety gauge according to EN 837-1
	Nominal width 50 mm, class of accuracy 2.5
Pressure gauge range:	0 – 2.5 / 6 / 16 bar, 0 – 3 / 6 bar (Type 3104)
Dimensions (w×h×d):	Approx. 50×100×108 mm
Weight:	Approx. 0.64 kg (Basic body)
Inlet - Outlet:	G 3/8" f or G 1/4" f, G 1/4" m (depending on version)
	NPT1/4" f (available for version with rear wall adapter)
Temperature range:	-25 °C to +70 °C / -13 to 160 °F

DIMENSIONS



ORDER CODE

Type	Periphery	Material	Inlet pressure	Outlet pressure	Surface mounted versions	Inlet	Outlet*	Gas type
EMD 3100	-01	BC	E	4	0	CL6 BC	CL6	GAS
EMD 3100	-01 = Pressure regulator (MD)	BC = Brass	E = 40 bar	EMD 3100:	0 = Basic module	G38F = G3/8" f	G14F = G1/4" f	HYDROGEN
= Standard	-06 = MD + Pre-shut-off valve	Chrome	/600 psi	1 = 0.2 – 1.5 bar / 3 – 22 psi	P = Plate Mounting	G14F = G1/4" f	CL4, CL6, CL8	
EMD 3104	-07 = MD + LP-flame arrestor	plated	D = 12 bar	4 = 0.2 – 4 bar / 3 – 60 psi	W = Wall Mounting	NPT14F = NPT1/4" f	CL 1/4, CL 1/8"	
= Analysis version	-08 = MD + LP-MVAR	SS = Stainless	/175 psi	10 = 0.5 – 10.5 bar / 7 – 150 psi	T = Bench mount standard	CL4, CL6, CL8	NO 1/4", NO 1/8"	
	-10 = MD + Pre-shut-off valve + LP-MVAR	steel	(only for EMD 3104)	EMD 3104: 2.2 = 0.1 – 2.2 bar / 1.5 – 32 psi	TA = Bench mount 30° angle	CL 1/4, CL 1/8"	BC = brass	
			A = 1.5 bar / 22 psi **	4 = 0.5 – 4 bar / 7 – 60 psi	H = Hanging version	NO 1/4", NO 1/8"	chrome-plated	
					HA = Hanging version 30° angle	BC = brass	SS = stainless	
					HW = Hanging version wall adapter	chrome-plated	steel	
						SS = stainless steel		

* Outlet: CL... = compressed fitting for ... mm outside diameter, NO... = hose connector for ... mm hose inside diameter. ** Type A is available for Acetylene only.