

SERIES CM 104 UC | ULTRA CLEAN SUPPLY BOARD

- Diaphragm single stage
- UHP applications
- Inlet pressure:
200 bar (2900 psig)
- Outlet pressure:
15 bar (218 psig)

- ★ 1 straight duobloc Ultra Clean
- ★ 2 inlets/1 outlet
- ★ 1 outlet face seal ¼ turn shut-off valve
- ★ Inlet/outlet pressure gauges
- ★ 1 purge outlet
- ★ 1 burst disc
- ★ Regulation done by a SI 220 Ultra Clean regulator

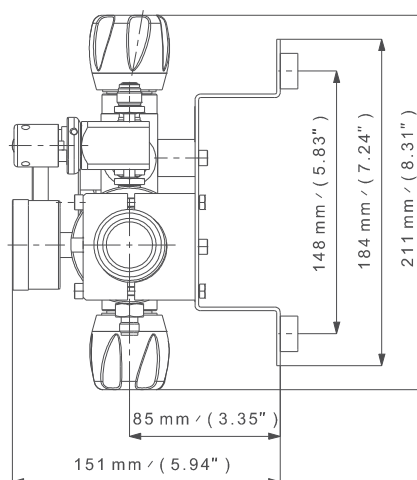
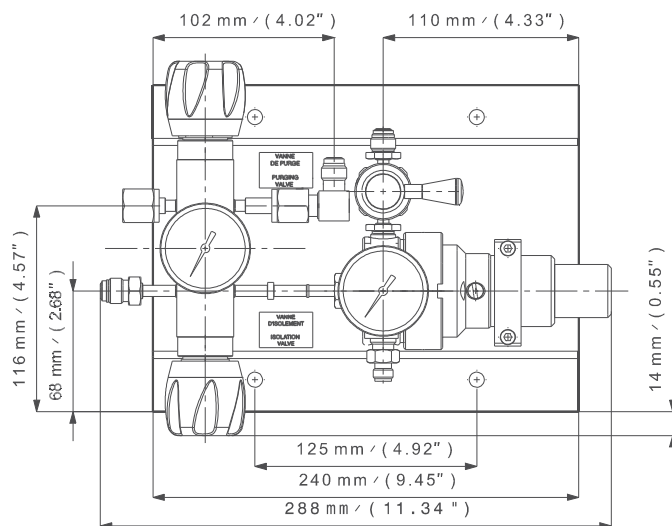
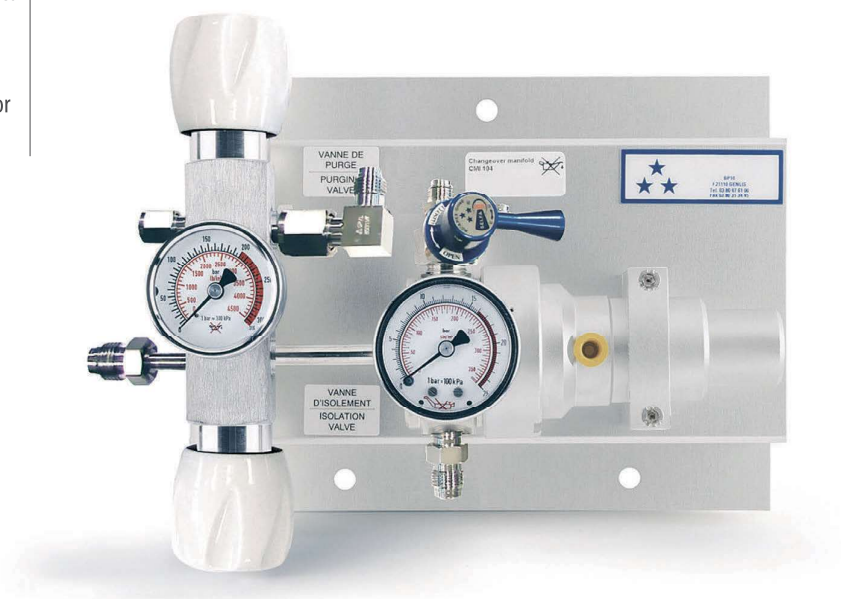
Special requirements on request

APPLICATIONS

- Used in combination with a switch over 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.
- Ideally suited for pure and corrosive gases for high purity applications – primarily dedicated to the supply of gas to analyzers and to the creation of controlled atmosphere in laboratories, control units.

KEY FEATURES

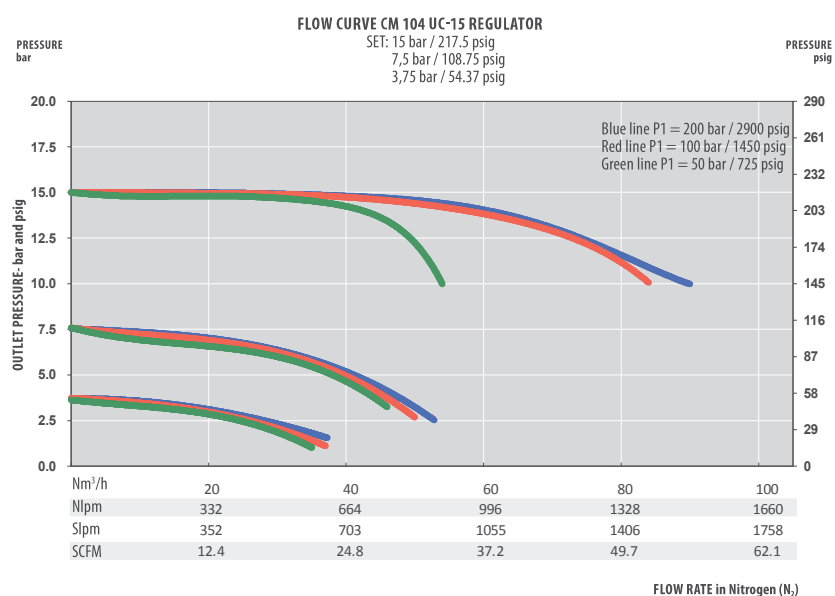
- Possible to connect 1 gas cylinder and a gas for purging operation.
- Ready to install with all components pre-mounted on a board.
- The CMI 104 can be connected to an alarm box using a contact gauge.



SPECIFICATIONS

Female ports	¼ face seal (inlet/outlet)	Weight	± 4,5 kg ± 9.9 lbs	Inlet pressure	200 bar 2900 psig
Surface finish	< 0.4 µm Ra (15 µin Ra)	Leak rate	10 ⁻⁹ mbar ℓ/s He	Outlet pressure	15 bar 218 psig
Seat seal	PCTFE	Temperature range	-20°C to + 60°C -4°F to + 140°F	Nominal Flow	25 Nm³/h (N₂)
Diaphragm	Hastelloy®	Gauges	High and low pressure (¼ face seal)	Oxygen use	No

FLOW CURVES



PRODUCT CONFIGURATOR

Body Material				Gauges	
CMI	104	UC	15	1	
Stainless steel	CMI			with gauges - standard	1
				with HP inductive contact gauge	2
				with LP inductive contact gauge	4
				with HP & LP inductive contact gauges	6

SERIES TD 102 UC | ULTRA HIGH PURITY SWITCH OVER BOARD

- Diaphragm single stage
- UHP applications
- Inlet pressure:
200 bar (2900 psig)
- Outlet pressure:
10 /25/50 bar
145/363/725 psig

- ★ 2 straights duoblocs Ultra Clean
- ★ 2 x 2 inlets /1 outlet
- ★ 1 outlet face seal ¼ turn shut-off valve
- ★ 2 inlets/1 outlet pressure gauges
- ★ 2 purge outlets
- ★ 1 burst disc
- ★ Semi-automatic Version
- ★ Regulation done by 2 x S 220 UHP regulators
- ★ Only in stainless steel

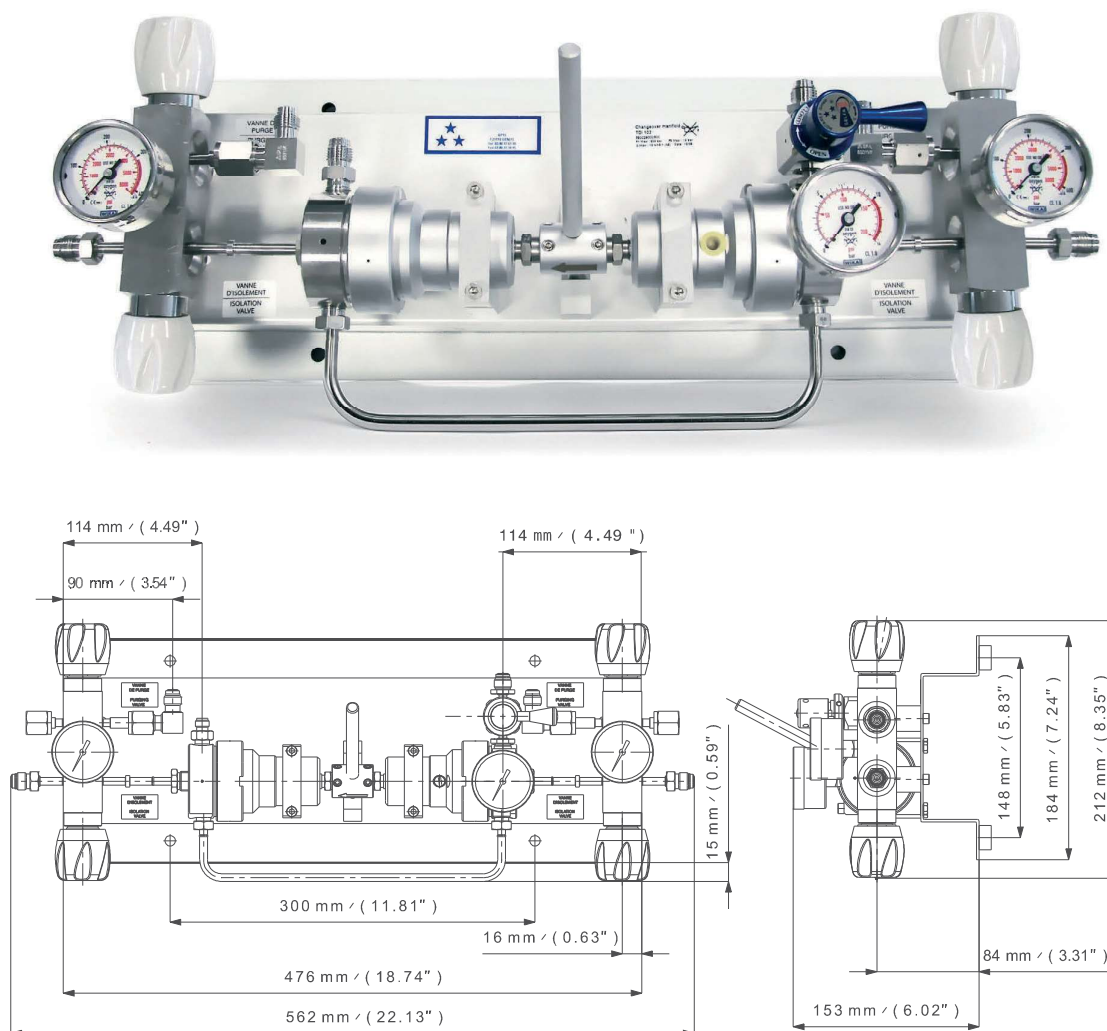
Special requirements on request

APPLICATIONS

- This switch over board is ideally suited for pure and corrosive gases for ultra high purity applications
- Dedicated to the supply of gas to analyzers and to the creation of controlled atmosphere in laboratories, control units and semi conductor plants

KEY FEATURES

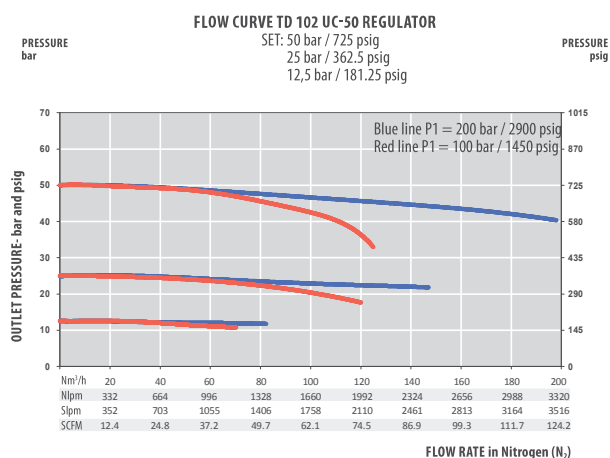
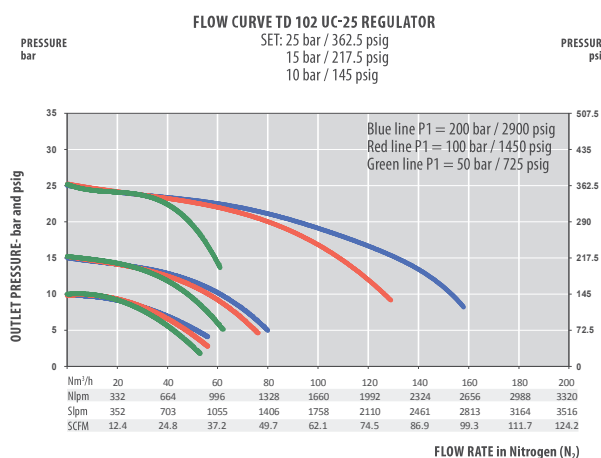
- Semi-automatic.
- Possible to manage 2 gas cylinders without any extension and a gas for purging operation.
- No risk that a source flows into the other one.
- Ready to install with all components pre-mounted on a board.
- Using contact gauges, the switch over board can also be equipped with an alarm box to indicate the source status.



SPECIFICATIONS

Male ports	face seal ¼ (inlet/outlet)	Weight	± 15,0 kg ± 33.0 lbs	Inlet pressure	200 bar 2900 psig
Surface finish	< 0.4 µm Ra (15 µin Ra)	Leak rate	10 ⁻⁹ mbar ℓ/s He	Outlet pressure	10/25/50 bar 145/363/725 psig
Seat seal	PCTFE	Temperature range	-20°C to + 60°C -4°F to + 140°F	Nominal Flow	10/10/10 Nm³/h (N₂)
Diaphragm	Hastelloy®	Gauges	High and low pressure (¼ face seal)	Oxygen use	No

FLOW CURVES



PRODUCT CONFIGURATOR

Body Material			Outlet Pressure		Gauges	
TDI	102	UC	10	1		
Stainless steel	TDI		10 bar 145 psig	10	with gauges - standard	1
			25 bar 362.5 psig	25	with HP inductive contact gauge	2
			50 bar 725 psig	50	with LP inductive contact gauge	4
					with HP & LP inductive contact gauges	6

BA 12 | ALARM BOX

- Signal sent automatically for notifying gas shortage. The message is visual and acoustic
- Optional EX protection (installation outside Ex-area)
- Devices available in three versions: For 2, 6 and 10 pressure gauge

ALARM BOXES

- ★ 2/6/10 contacts
- ★ Ex Version

Special requirements on request

KEY FEATURES

- Detecting a drop in pressure when the gas bottle is empty
- Messages are displayed visually by LEDs and audibly by buzzer
- Remote message with potential free contacts possible
- Inputs for magnetic spring contact and inductive contact pressure gauge are suitable. Only NC contacts for safety!
- Plastic case with IP65 seal for wall and panel mounting
- Cage clamp connection and pluggable
- Easy to configure when the device is closed

OPTIONS

- Intrinsically safe barrier for Ex environment (Isolating switching amplifier)
- 230V AC or 115V AC power supply

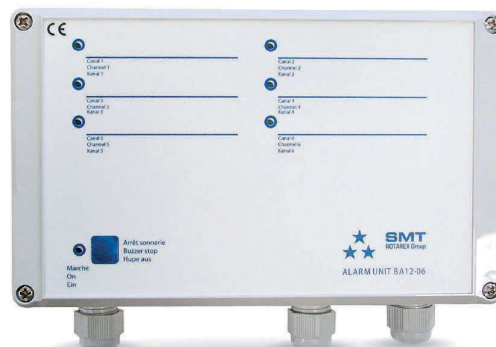
KEY ADVANTAGES

- Product flexibility : three versions available according to your process (2, 6 or 10 contacts)
- Potential-free output as change-over contact
- Group message and New value message
- Integrated LED allow visual information
- Integrated Buzzer for acoustic alarm

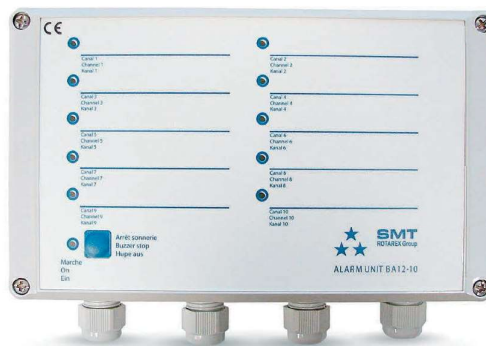
BA 12-02



BA 12-06



BA 12-10



SPECIFICATIONS

Voltage	230 VAC/50 Hz 115 VAC/60 Hz	Type 1	Potential free relay contact	Connection	2-storey cage clamps
Power	< 3VA	Rating	8A/230 VAC w/ resistive load	Terminal voltage	10VDC/10mA (unstabilized) 0.9
		Function	Group Message	Material	ABS
		Type 2	For external horn or lamp	Protection	IP 65
		Rating	8A/230 VAC w/ resistive load	Dimension (W x H x D)	200 x 120 x 75 (mm)
				Temperature range	0° C to 55° C 32° F to 131° F

PRODUCT CONFIGURATOR

BA12	Contacts		Voltage		Ex protection	
	02		230		0	
2 contacts	02		230 VAC	230	Without	0
6 contacts	06		115 VAC	115	With	EX
10 contacts	10					

Others versions and possibilities available upon request