

# QSLM 2000

Dual inlet decompression unit with automatic change-over system



## FEATURES

It allows the use of two cylinders or packs of cylinder; when one source of pressure drops below the threshold value, the second gas supply automatically sets in. Turning the lever, the side with priority supply will be set.

During first cylinder discharge, outlet pressure drops from maximum change-over pressure to the minimum; turning the lever the outlet pressure rises to the maximum supplied by the second full cylinder.

Inlet pressure up to 220 bar (3190 psi) for standard version. Outlet pressure up to 15 bar (218 psi), is controlled by a diaphragm; instead, greater outlet pressures are controlled by a piston.

The decompression unit is suitable for all industrial applications such as welding, cutting and laser systems.

The product complies with the directive 2014/68/EU (PED)

## **SPECIFICATIONS**

Gauges: accuracy class 1,6

Decompression unit weight: ~ 7,7 Kg (~ 17 lbs)

Operating temperature: -20°C ÷ +60°C (-4° F ÷ 140° F)

Main valve leakage classification: VI bubble tight

Degree of protection: IP25

Decompression unit can be supplied with: bleeder micro-regulators to remove the air in the supply conduits

They can be supplied with pressure switches, which can be eventually connected to an alarm system of our production

## **MATERIALS**

Pressure regulators and valves: external chrome-plated brass

Adjusting spring: C85 zinc plated

Main valve spring: stainless steel AISI 302

Diaphragm: NBR+PTFE (PTFE in contact with the fluid)

Piston: brass

Main valve gasket: PA 6.6

O-Ring: EPDM o FPM depending on the fluid (other compounds available upon request)

Pipes: AISI 316L

Frame: AISI 304

## **ACCESSORIES**

Acoustic and blinking alarm system

Pressure switch

Double effect valve

## **REPLACEMENT PARTS**

- Gauges
- Kit includes: gaskets, assembled diaphragm, filter, main valve, O-rings
- Over pressure valve

## Generation the product code

QUADRO A SCAMBIO DI DECOMPRESIONE			
A B CC DD EE F GG			
AA	Materiale / Material	1	Chrome - plated brass
BB	Taglia / Size	5	2000
CC	Pressione d'ingresso / Inlet pressure	J0	PS 220 bar H
		L0	PS 80 bar M
DD	Intervallo d'uscita/ Outlet range	D0	B - Pout 1,5 - 15 bar - P Change-over pressure...
E	Tipologia di fluido / Fluid type	11	H2 PED Classe III
		15	O2 PED Classe III
		94	FPM PED Classe III
		98	EPDM
		99	FPM
FF	Marchiato / Marked	I	ID
GG	Accessori/Accessories	00	No accessories
		01	Pressure switches
		03	With bleeder micro-regulator

## CODE COMPOSITION EXAMPLE

**QSLM# 1 5 J0 D0 98 I 00**

**2000#:** QSLM change-over decompression unit

**1:** Chrome-plated brass

**5:** R2000

**J0:** Maximum inlet pressure 220 bar (3190 psi)

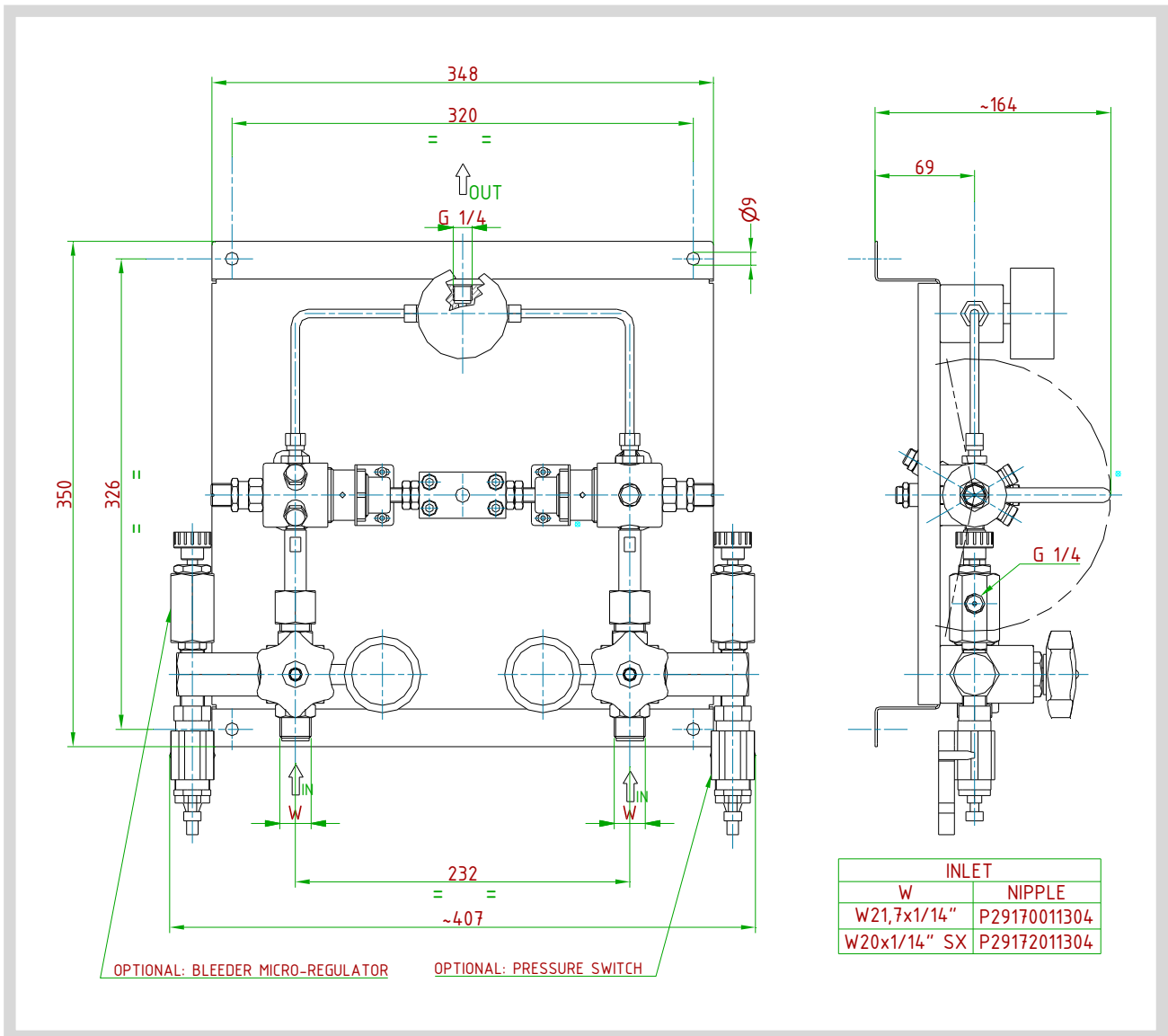
**D0:** Outlet pressure range 1,5 – 15 bar (21,8-218 psi)

**98:** EPDM gaskets

**I:** ID

**00:** No accessories

# technical drawings (all dimensions in mm)



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**DECOMPRESSION UNIT\_QSLM(QSLM2000)\_EN\_01**



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Company with certificated quality management system.  
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