

DECOMPRESSION UNITS

INDUSTRIAL
GASES



SQD | DECOMPRESSION UNIT WITH 2 INLETS FOR HIGH FLOW

Single-stage, decompression unit for centralized, high-flow systems. Provided with two cylinder connections according to standard 2-UNI11144 or 1H-UNI11144, each one completed with on/off valve and check-valve. Using high flow rates of CO₂ and gas mixtures, preheaters up-stream the unit, are recommended.

APPLICATIONS:

- Technical applications;
- Automation;
- Industrial process;
- Welding and laser cutting machines;
- Heating and burning systems.

FEATURES:

- Spring loaded diaphragm;
- Recommended for non-corrosive gases;
- suitable for oxygen use;

MATERIALS

Pressure regulators	Ottone / Brass
High pressure valve	Ottone / Brass
Pipes	Rame 10X8 / Copper 10x8
Diaphragm	Viton (range 1,5-15 bar)
Piston	Ottone / Brass (range 5-50 bar)

COMPONENTS

Nr 2 shut-off valves each one including check-valve, on each inlet connection

Nr 1 pressure regulator

Nr 1 gauge for detecting the inlet pressure

Nr 1 gauge for detecting the output pressure

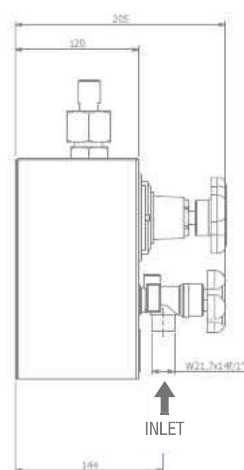
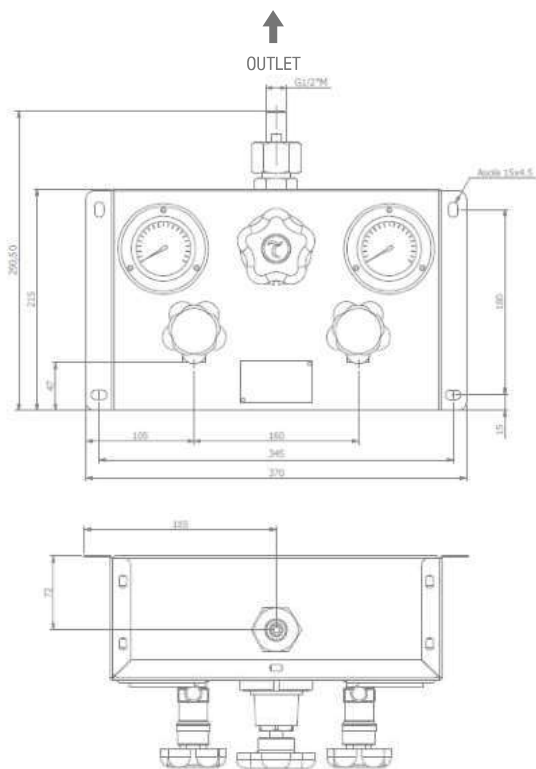
Nr 1 retaining frame of stainless steel

Nr 1 All components are degreased for using Oxygen

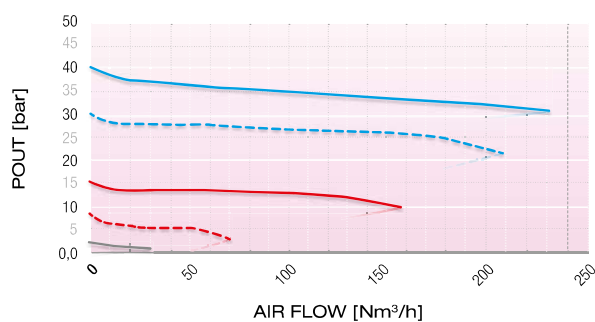
TECHNICAL DATA

P. max Inlet	220 Bar
Range pressure out	0,2 - 1,5 / 0,2 - 4 bar / 1,5 - 15 bar / 4 - 40 bar / 5 - 50 bar
Flow rate	150 m ³ /h @ 10 bar / 400 Nm ³ / 1/2 @ 10 bar
Weight	9 kg / 19.85 lb
Working temp.	-20°C to +80°C

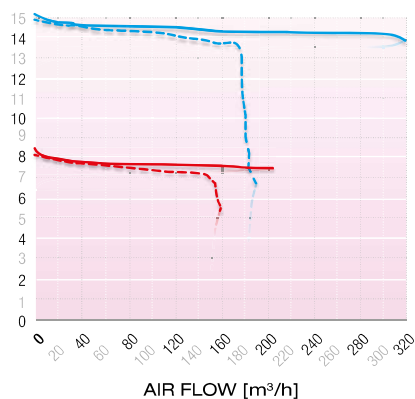




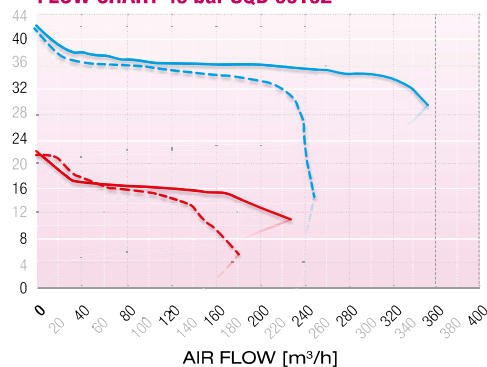
FLOW RATE SQD 00115-109



FLOW CHART 15 bar SQD 101-107



FLOW CHART 40 bar SQD 00102



STANDARD FLOW

SQD101	GAS: O ₂ , N ₂ , Ar, air, Ar/CO ₂ , CO ₂	Pout max. 15 bar
SQD102	GAS: O ₂ , N ₂ , Ar, air, Ar/CO ₂ , CO ₂	Pout max. 40 bar
SQD104	GAS: Acetylene C ₂ H ₂	Pout max. 1.5 bar
SQD105	GAS: C ₃ H ₈ , LPG/GPL	Pout max. 4 bar
SQD107	GAS: H ₂ , CH ₄	Pout max. 15 bar

HIGH FLOW (LASER SERVICE)

SQD115	GAS: O ₂ , N ₂ , Ar, air, Ar/CO ₂ , CO ₂	Pout max. 15 bar
SQD109	GAS: O ₂ , N ₂	Pout max. 50 bar

NOTE

[*] Sono disponibili connessioni di ingresso secondo norme diverse da quelle riportate / Connections according different standard are available