

# Labo

## Regulators - Pressure Reducing

DCATLABO1200XEN2

### Specifications

For other materials or modifications, please consult TESCOM.

#### FLUID MEDIA

Non-corrosive gases up to gas purity 5.0 (99.999 Vol %)

#### OPERATING PARAMETERS

Pressure rating per criteria of ANSI/ASME B31.3

##### Maximum Inlet Pressure

4350 psig / 300 bar

For Oxygen 2900 psig / 200 bar

##### Outlet Pressure Range

1.5-22 psig / 0.10-1.5 bar

7.3-58 psig / 0.50-4.0 bar

14.5-145 psig / 1.00-10.0 bar

29-290 psig / 2.0-20.0 bar

##### Rated Flow, Air

6, 15, 25, 50 m<sup>3</sup>/h

##### Operating Temperature

-4°F to 158°F / -20°C to 70°C

#### MEDIA CONTACT MATERIALS

##### Body

Brass

##### Diaphragm

Butyl Rubber, PTFE coated

##### Seat

Polyamid for Acetylene Butyl Rubber

#### OTHER

##### Port Types and Size

**Inlet:** M16 x 1.5

**Outlet:** G 3/8

**Gauge:** G 1/4

**Relief Valve:** M12 x 1

##### Weight

4.6 lbs / 2.1 kg



TESCOM Labo is a high pressure regulator for medium gas flow and accurate regulation of pressure. This regulator includes a relief valve. A special version for Acetylene is available.

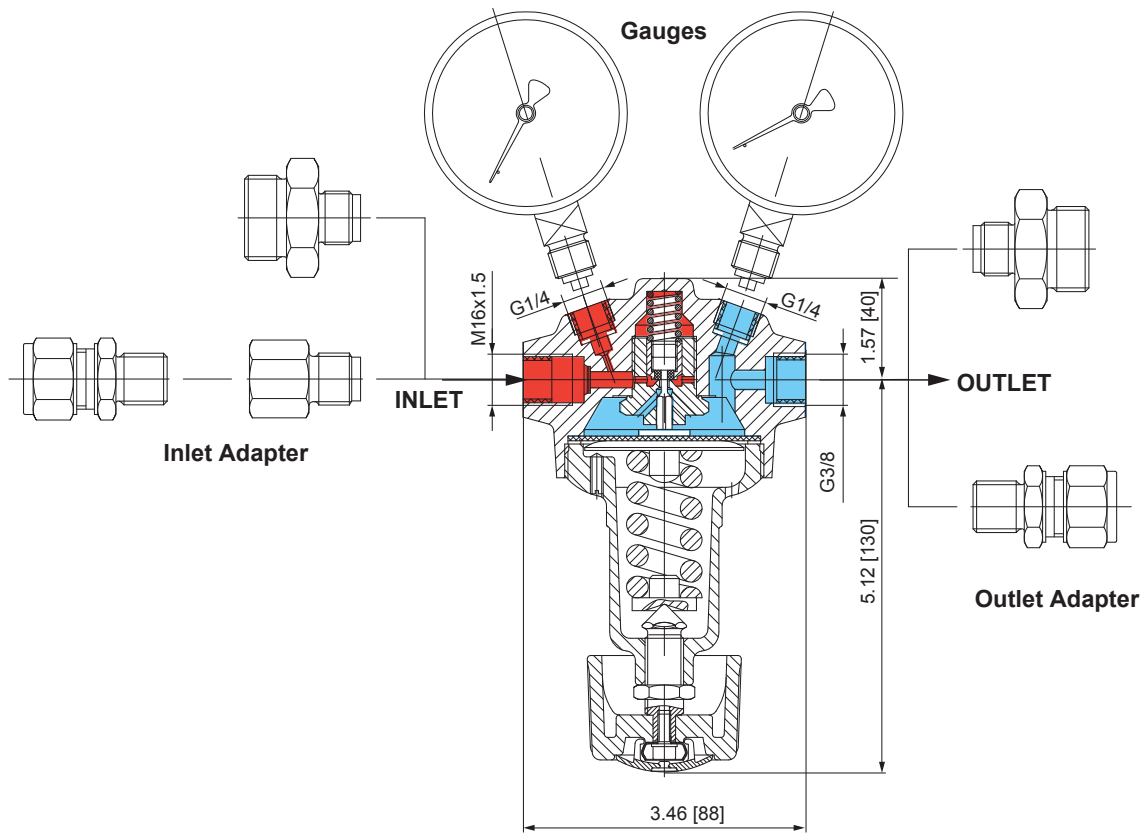
### Application

- For medium gas flow and accurate regulation of pressure

### Features and Benefits

- Inlet pressures up to 4350 psig / 300 bar
- BAM-tested for Oxygen 2900 psig / 200 bar
- Special version for Acetylene is available
- Labo can be delivered as part of a complete Acetylene panel for one or two cylinders
- Includes a relief valve

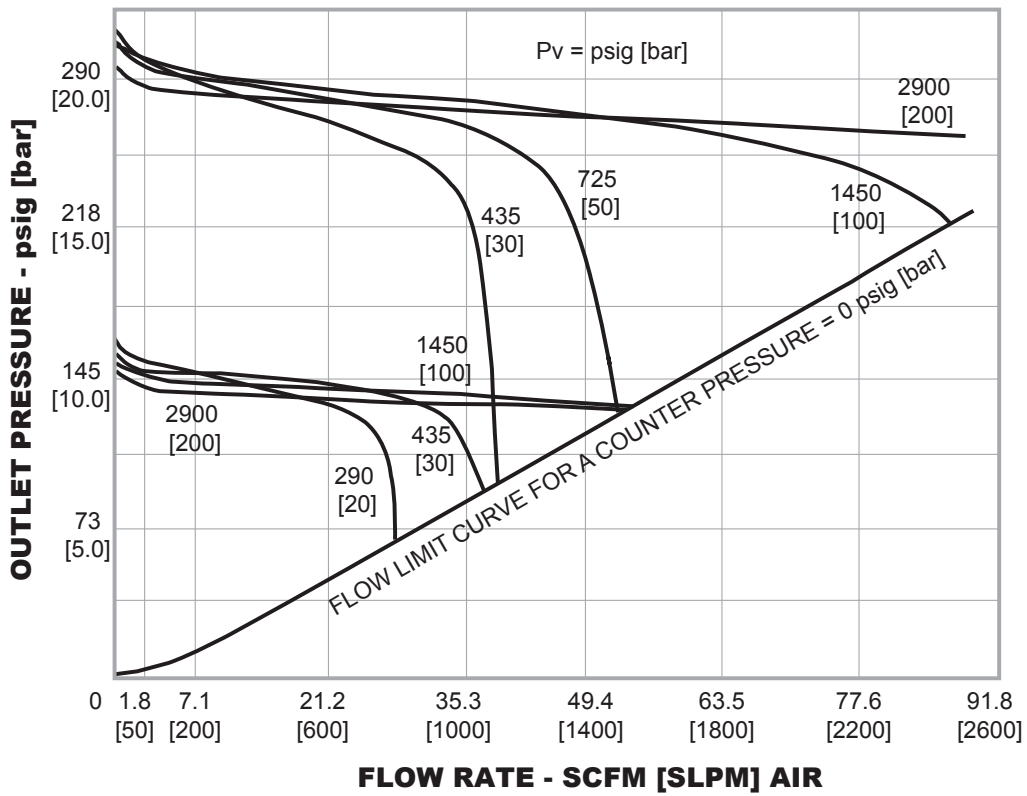
Labo Regulator Drawing



All dimensions are reference & nominal  
Metric [millimeter] equivalents are in brackets

### Labo Regulator Flow Chart

For more information on how to read flow curves, please refer to the Flow Curves and Calculations document (debul2007x012) in the TESCOM catalog or on [www.tescom.com](http://www.tescom.com).



## Labo Regulator Part Number Selector

Repair Kits, Accessories & Modifications may be available for this product. Please contact TESCOM for more information.

Example for selecting a part number:

D43230 -	00	-	1	M	2	D	E
BASIC SERIES	GASES	PRESSURE RANGE	GAUGE	INLET PRESSURE	INLET ADAPTER	OUTLET ADAPTER	
<b>D43230</b>	<b>00</b> – Gas at buyers option <b>22</b> – Acetylene <b>23</b> – Carbon Monoxide <b>12</b> – Oxygen <b>15</b> – Non-flammable gases <b>16</b> – Flammable gases	<b>1</b> – 22 psig / 1.5 bar <b>2</b> – 58 psig / 4.0 bar <b>3</b> – 145 psig / 10.0 bar <b>4</b> – 290 psig / 20.0 bar	<b>without</b> – no gauge no screw plug <b>0</b> – without gauge with screw plug <b>M</b> – with gauge	<b>2</b> – 2900 psig / 200 bar <b>3</b> – 4350 psig / 300 bar	<b>0</b> – without adapter (M16 x 1.5 female) <b>A</b> – compression fitting 6 mm <b>B</b> – compression fitting 8 mm <b>C</b> – compression fitting 10 mm <b>D</b> – compression fitting 12 mm <b>F</b> – adapter G 3/4 male thread <b>B</b> – adapter G 3/8 female thread	<b>0</b> – without adapter (G 3/8 female) <b>A</b> – compression fitting 6 mm <b>B</b> – compression fitting 8 mm <b>C</b> – compression fitting 10 mm <b>D</b> – compression fitting 12 mm <b>E</b> – adapter G 3/8 male thread <b>F</b> – adapter G 3/4 male thread	

## Repair Kits

BASIC SERIES	PART NUMBER
Labo D43230-00-1/2/3	D45465-1
Labo D43230-00-4	D45465-2