

# High Pressure Panel

## Manifolds/Changeover Regulators

DCATLABO1282XEN2

### Specifications

For other materials or modifications, please consult TESCOM.

#### FLUID MEDIA

For non-corrosive gases and mixtures up to purity 6.0 (99.9999 Vol %)

#### OPERATING PARAMETERS

Pressure rating per criteria of ANSI/ASME B31.3

##### Maximum Inlet Pressure

2900 psig / 200 bar  
4350 psig / 300 bar

##### Outlet Pressure Range

2175 psig / 150 bar

##### Operating Temperature

-4°F to 158°F / -20°C to 70°C

##### Nominal Flow

10 m<sup>3</sup>/h, C<sub>v</sub> = 0.06 (depending on pressure and gas)

#### MEDIA CONTACT MATERIAL

##### Material

Chrome plated Brass or Stainless Steel

#### OTHER

##### Connections

6 mm compression fitting or G 3/8" female  
Other outlet options on request

##### Weight

9.26 lbs / 4.2 kg



TESCOM High Pressure Panel is a central gas supply unit for the pressure control of analytical gases in laboratory facilities. The use of contact gauges allows the monitoring of the filling pressure of gas cylinders.

### Applications

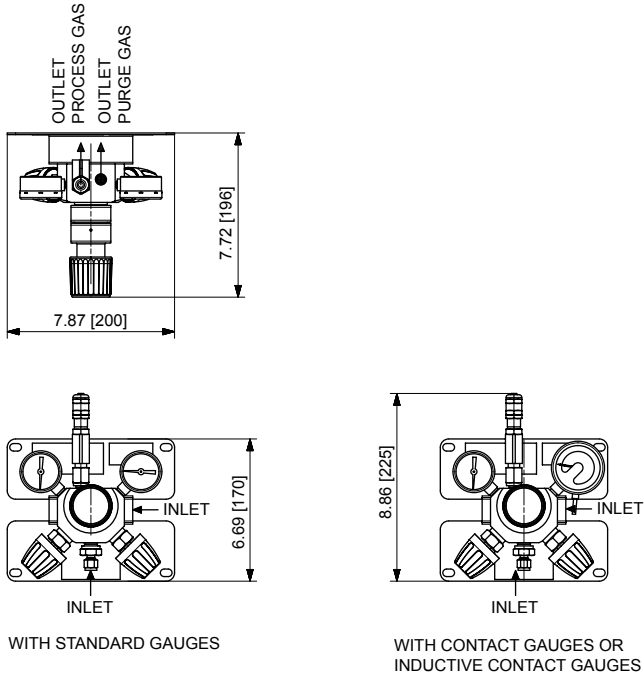
- High pressure central gas supply for the distribution of gases in laboratory applications
- Suitable for ECD (Electronic Capture Detector) applications

### Features and Benefits

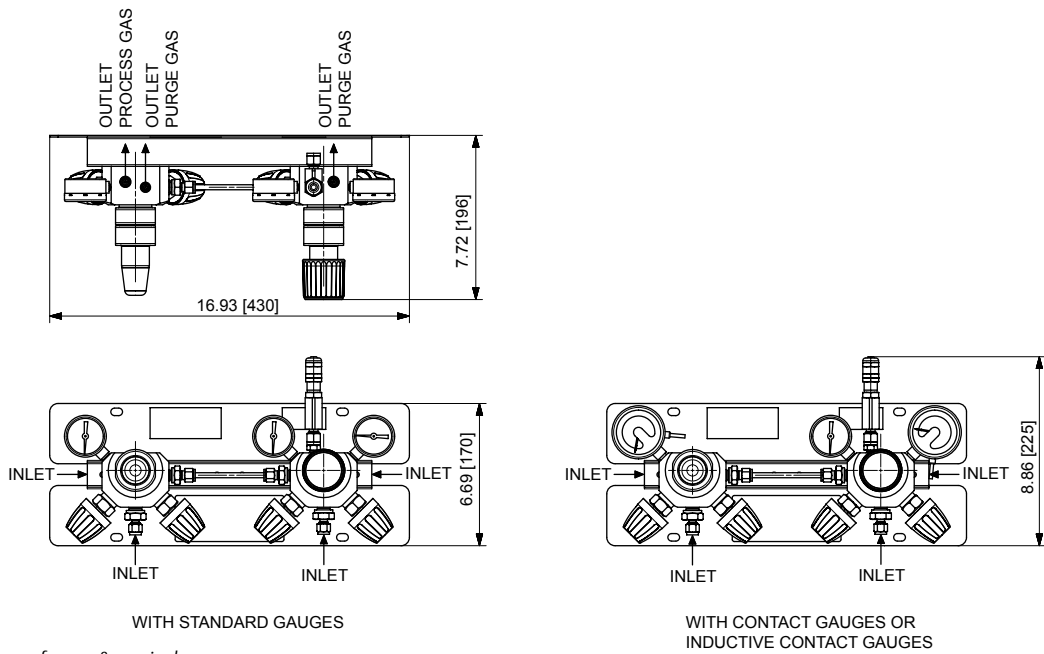
- For very high work pressures up to 2175 psig / 150 bar
- Inlet section with purge valve, purging with process or inert gas
- Easy to use and safe operation (includes relief valve)
- Few connections and minimized internal volume due to the integrated design of valves and pressure regulators in one body
- Quick and simple installation
- Small dimensions
- Stainless Steel mounting plate for corrosive environment
- High pressure, explosion proof contact gauge is available

# High Pressure Panel Drawing

## HIGH PRESSURE PANEL FOR 1 CYLINDER



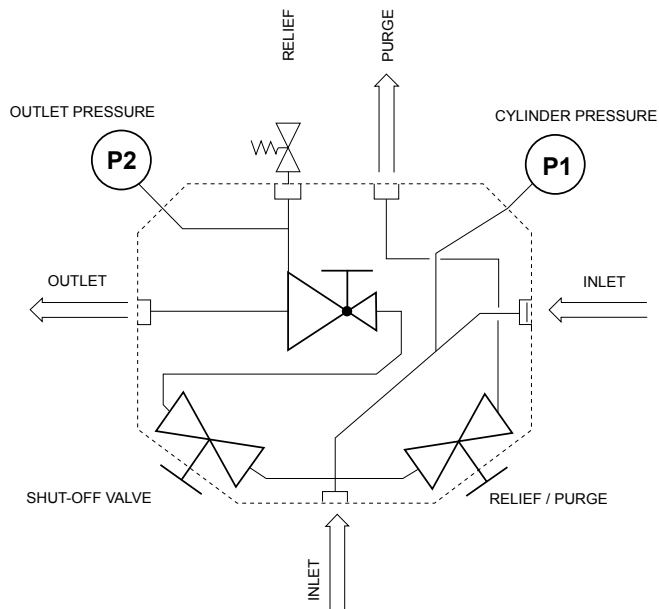
## HIGH PRESSURE PANEL FOR 2 CYLINDERS WITH AUTOMATIC CHANGEOVER



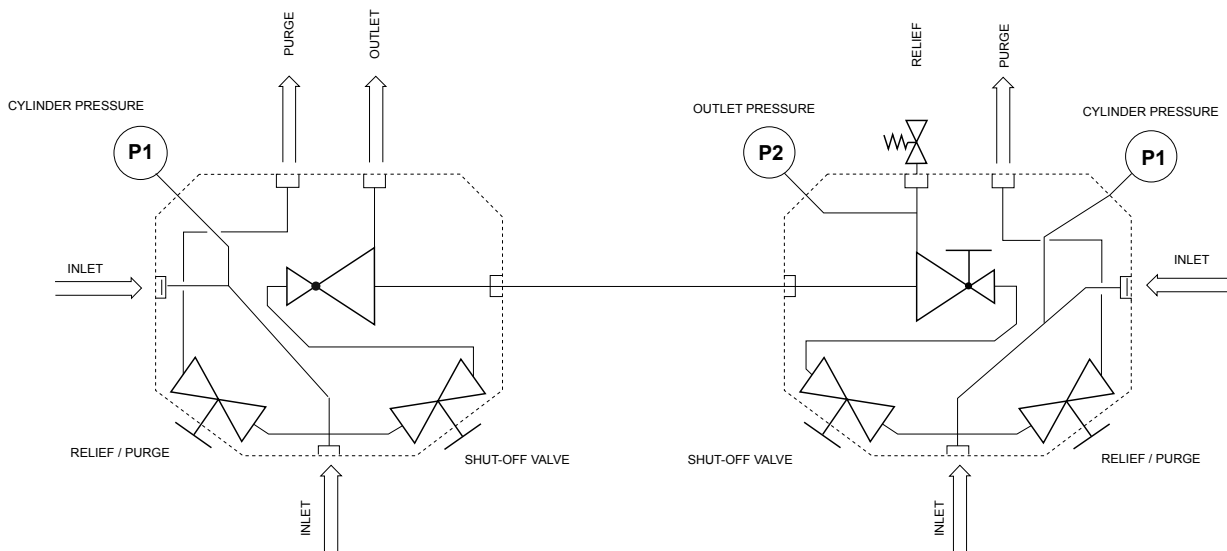
All dimensions are reference & nominal  
Metric [millimeter] equivalents are in brackets

# High Pressure Panel Functional Diagram

**HIGH PRESSURE PANEL FOR 1 CYLINDER**

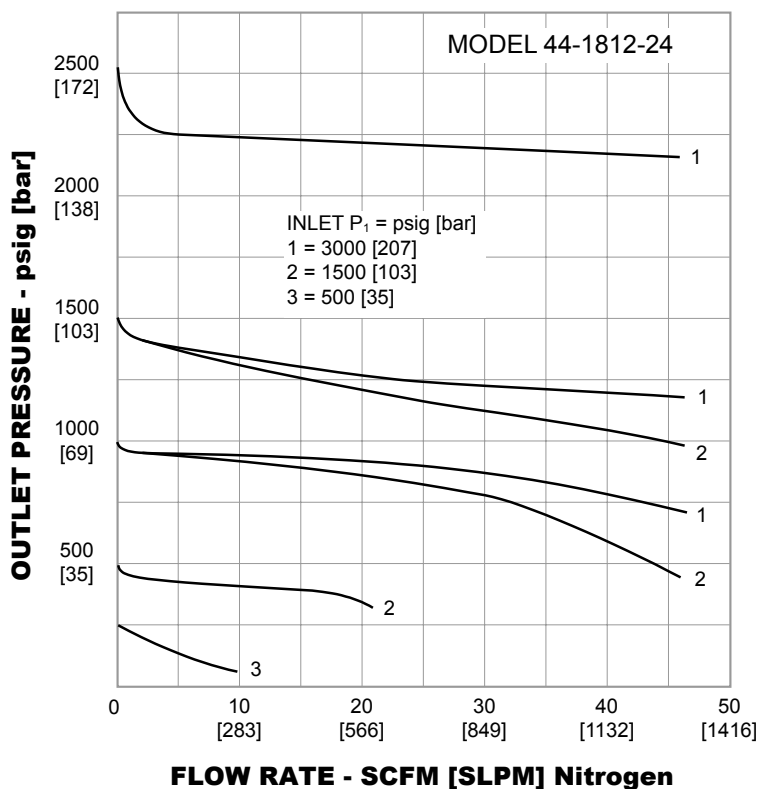


**HIGH PRESSURE PANEL FOR 2 CYLINDERS WITH AUTOMATIC CHANGEOVER**



## High Pressure Panel 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).



## High Pressure Panel 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:

KP1	6	SM	3
<b>BASIC SERIES</b>	<b>MATERIAL</b>	<b>GAUGES</b>	<b>OUTLET PRESSURE RANGE</b>
KP1 KPA	1 – Brass 6 – Stainless Steel	SM – Standard gauge KM – Contact gauge EX – Inductive contact gauge	3 – 2175 psig / 150 bar

Please reference the "Accessories for Panels" datasheet in the Manifolds/Changeover Regulators section or "Fittings" in the Accessories section for pigtail or high pressure hoses, etc.

**WARNING!** Do not attempt to select, install, use or maintain this product until you have read and fully understood the TESCOM Safety, Installation and Operation Precautions.