

# Point of Use Regulator for gas purity up to 6.0

## MiniLabo 2

Brass and Stainless Steel

LAB  
line

### Specifications

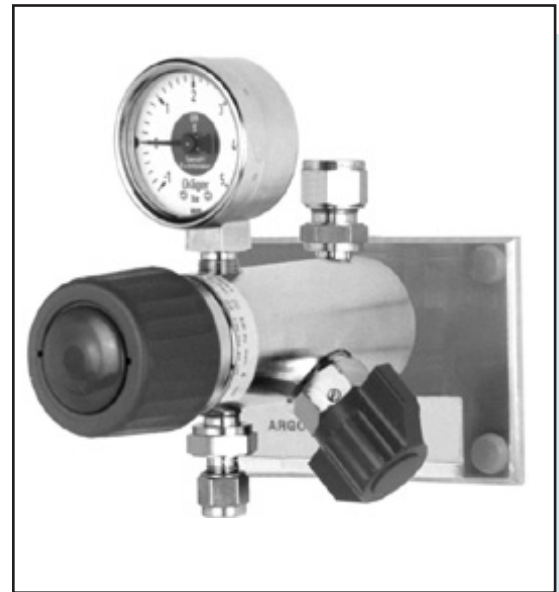
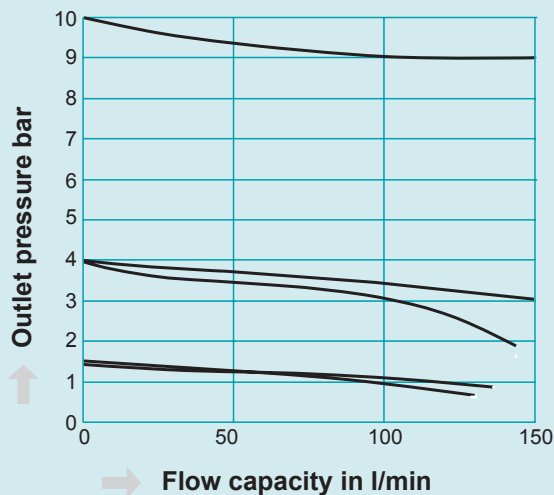
#### Fluid Media

Non-corrosive / corrosive gases and mixtures up to 6.0 (99.9999 Vol%) purity

#### Technical Data

Max. rated inlet pressure: ..... 40 bar  
 Outlet pressure range: ..... max 1.5, 4, 10 bar  
 Leakage rate against atmosphere:  
 .....  $10^{-8}$  mbar l/s He  
 Operating temperature: ..... -20 to +70 °C  
 Nominal flow rate: 1-200 l/min based on Nitrogen  
 Body material: ..... Stainless Steel 316 L  
 ..... or chrome plated brass  
 Cleaning: ..... Cleaned for Oxygen Service  
 Diaphragm: ..... Elgiloy / Hastelloy  
 Porting Inlet/Outlet: ..... G 1/4 female,  
 ..... valve outlet G 1/8 female  
 ..... optional with adapter 1/4"NPT  
 Inlet/Outlet connections:  
 ..... see ordering information on reverse page  
 Weight approx. (kg): ..... 0.7 (Brass)  
 ..... 1.2 (Stainless Steel)  
 Dimensions: ..... see drawings on reverse page  
 Mounting: ..... Wall mounting plate 75x100 mm  
 ..... aluminum grey /white

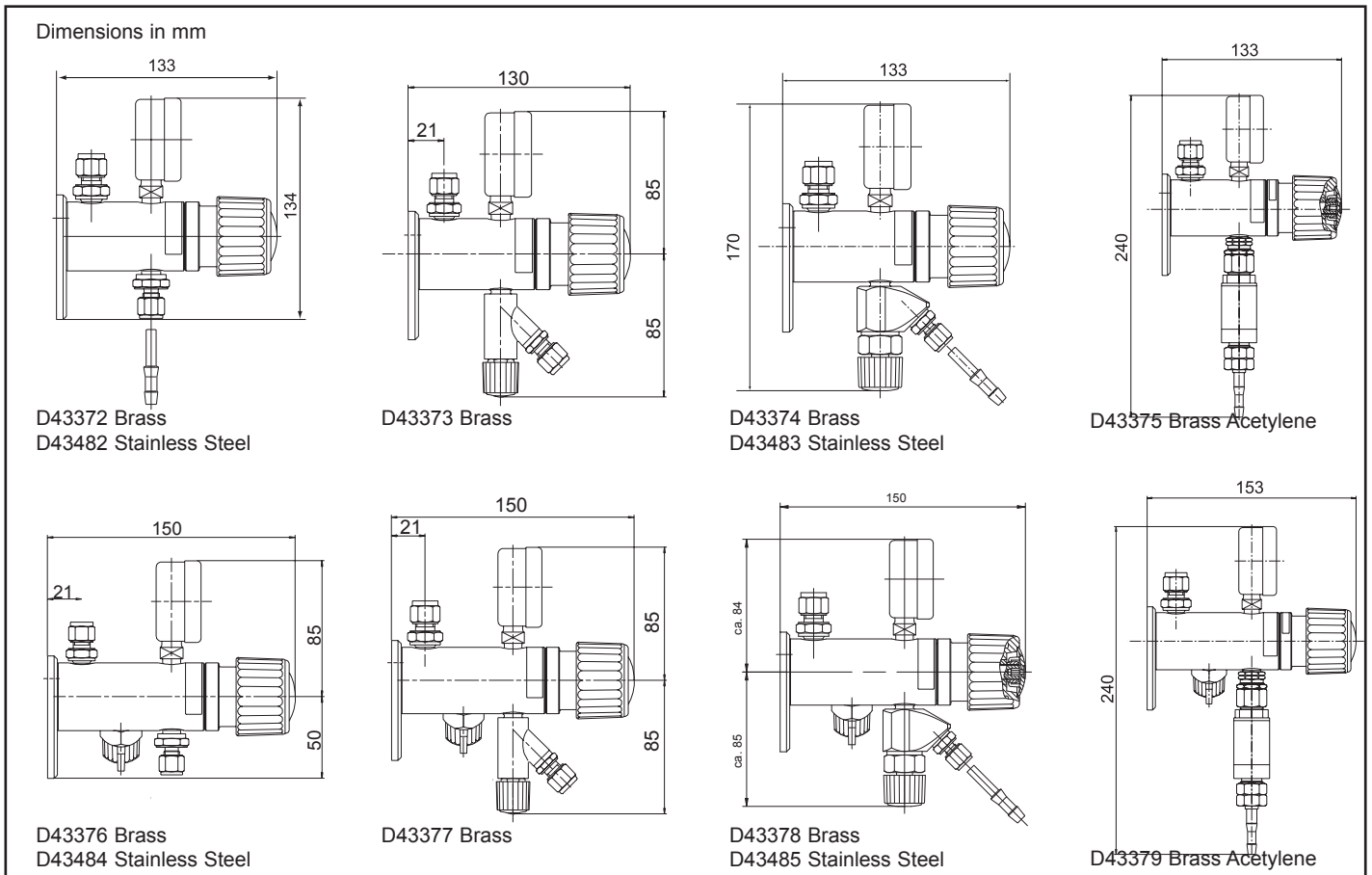
### Flow Chart



### Advantages

- clear indication of open/closed position (90°) of shut-off valve
- minimal space for installation required because pressure regulator and shut-off valve are integrated in one body
- compact and ergonomical design
- reduced internal volume, short purging times
- modular design featuring a pressure regulator, gauge, 1/4 turn shut-off valve and metering valve
- easy installation due to wall mounting plate
- suitable for ECD application (electronic capture detector)

# MiniLabo2



## Ordering Information

Example:

**D43376 - AR - 05 - F - 2**

BASIC SERIES	TYPE OF GAS	OUTLET CONNECTION	INLET CONNECTION	OUTLET PRESSURE MAX.
<b>MiniLabo2</b> Point of use regulator with wall mounting plate and: <b>Brass</b> <b>D43372</b> MiniLabo2 <b>D43373</b> needle valve 1) <b>D43374</b> metal diaphragm metering valve <b>D43375</b> flame arrestor <b>Stainless Steel</b> <b>D43482</b> MiniLabo2 <b>D43483</b> metal diaphragm metering valve <b>MiniLabo2 VH</b> Point of use regulator with wall mounting plate shut-off valve and: <b>Brass</b> <b>D43376</b> MiniLabo2 <b>D43377</b> needle valve 1) <b>D43378</b> metal diaphragm metering valve <b>D43379</b> flame arrestor <b>Stainless Steel</b> <b>D43484</b> MiniLabo2 <b>D43485</b> metal diaphragm metering valve	<b>AO</b> – Oxygen <b>AR</b> – other gases <b>AK</b> – corrosive gases** <b>22</b> – Acetylene* <b>23</b> – Carbon monoxide <b>20</b> – Ammonia** * only for outlet pressure 1,5 bar ** Stainless Steel only	<b>00</b> – G1/4 female (regulator version) G1/8 female (valve version) <b>03</b> – 6 mm compression fitting + hoze nozzle* <b>05</b> – 6 mm compression fitting + hoze nozzle** <b>18</b> – 6 mm hoze nozzle (flame arrestor version) * Stainless Steel version ** Brass version	<b>A</b> – G1/4 female thread top* <b>B</b> – G3/8 metal cone fitting back** <b>C</b> – G3/8 metal cone fitting top** <b>D</b> – G3/8 metal cone fitting up** <b>E</b> – G1/4 female thread top <b>F</b> – compression fitting 8 mm <b>G</b> – compression fitting 10 mm <b>H</b> – G1/4 female thread back** * optional with NPT 1/4" female adapter without wall mounting plate ** without wall mounting plate	<b>1</b> – 1,5 bar <b>2</b> – 4 bar <b>3</b> – 10 bar

1) For ECD- application and Total Hydrocarbon Analyzers (THC) please use a metal diaphragm metering valve

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