**Product features**
- Double stage wall- and cabinet-mounting pressure control panels
- For non-corrosive gases up to quality 6.0
- Laboratory-style design
- Ergonomically designed
- Modular design (to be extended to 2x2, 2x3 etc. cylinders)
- Filter at the process gas inlet valve
- Diaphragm-type shut-off valves optimised for low internal volume with On/Off position indicator
- Suitable for ECD-applications
- 2 pressure regulators with very high control accuracy and integrated relief valve
- Designed for easy installation
- Tested for use with oxygen
- Suitable for inlet pressure values up to 300 bar
- Compact design especially for installation into safety cabinets for gas cylinders

**Technical data**
- **Type:** double-stage
- **Inlet pressure** $P_i$: max. 300 bar
- **Outlet pressure** $P_o$: 1.5 / 4 / 10 bar
- **Materials:**
  - Body regulator and valves: chrome-plated brass
  - Valve seat regulator: PA 11
  - Valve seat valves: PVDF
  - Diaphragm regulator: SS 301 (SS 1.4310)
  - Diaphragm valve: Hastelloy C276
  - Soft goods: Viton (FKM)
  - Filter: sintered SS 316L
- **Inlet connector:** SS compression fitting 6x1 mm
- **Temperature range:** -30°C to +60°C
- **Leak rate:**
  - (to atmosphere) $1 \times 10^{-7}$ mbar l/s He
  - (via seat) $1 \times 10^{-8}$ mbar l/s He
- **Pressure gauge:** Safety pressure gauges ISO5171/KI1.6/NG50
- **Weight:** approx. 6 kg

**Flow curves BM66**

**Flow rate** $Q$ in m$^3$/h Luft

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Ordering information:
Pressure control panels BM66-1

**Inlet pressure** $P_1$

- 300 - max. 300 bar

**Outlet pressure** $P_2$

- 1.5 - max. 1.5 bar
- 4 - max. 4 bar
- 10 - max. 10 bar

**Vordruckanzeige**

- M - pressure gauge
- K - contact gauge

**Gas type**

Please specify gas type with your order (selection of valve seat material)

**Outlet**

- O - top
- U - bottom

**Outlet press. indication**

- M - pressure gauge
- K - contact gauge

### Specifications

- SPECTROLAB - components guarantee maximum quality by using high grade materials and a quality assurance program acc. to ISO 9001.
- All components which come into contact with the medium are cleaned in an ultrasonic cleaning system (CFC-free) with the special cleaning process SPECTRO-CLEAN® and are then baked out.
- SPECTROLAB - components undergo a 100% function- and Helium-leak-test.

### Pressure indication

- All pressure regulators can be equipped with pressure gauges or contact gauges for in- and outlet pressure indication.

**Important note regarding component selection**

- In order to assure safe operation it is essential to take the configuration of the whole system into account when selecting a control panel.
- The function of the components, the compatibility of the materials, correlating temperature ranges, correct installation, operation and maintenance in accordance with the relevant regulations are the responsibility of the system designer and the user.