

Cylinder station HP 253

- 2x1 cylinder (bundle) dual stage with automatic changeover – sequential version



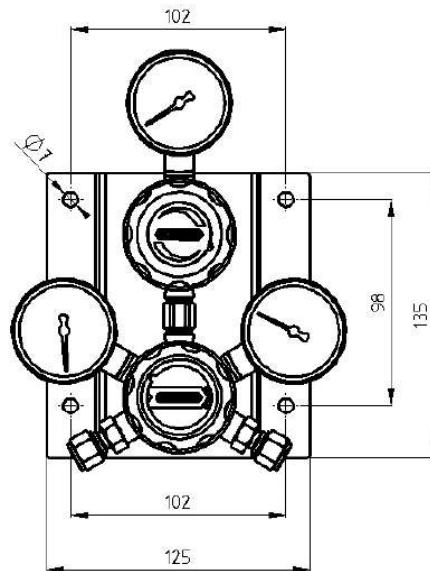
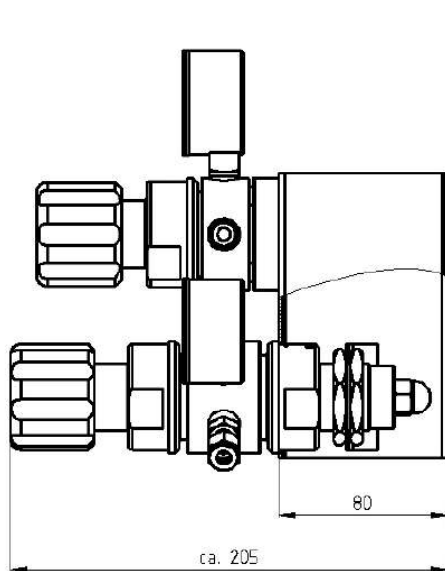
Compression fittings
optional

TECHNICAL DETAILS		APPLICATION AREA	DESCRIPTION
Body:	stainless steel 1.4404 electropolished or brass, nickel and matt chrome plated	Especially for gases with high requirements on purity up to 6.0, safety and density for which an uninterrupted supply overnight and weekends must be guaranteed.	The HP 253 is a dual stage panel for central gas supply with automatic changeover.
Seat:	PCTFE	The supply concept can be optimised by options such as contact gauges and gas alarm boxes (see segment 7).	It serves the safe supply of high purity and mixed gases from 2 single cylinders or cylinder bundles.
Diaphragm:	1.4435	Through our special cleaning system our pressure regulators are suitable for ECD – applications.	The changeover sets in as soon as the pressure in the first side sinks below a predetermined level. This process is controlled by two installed regulators which are connected through one mutual housing.
Leakage rate:	10 ⁻⁸ mbar l/s He		Two stage regulators will be used when a stable outlet pressure is required. The station is mounted on a stainless steel console and in standard version it consists of three pressure regulators and the in- and outlet gauges.
Gas purity:	≤ 6.0		Special characteristics:
Max. inlet pressure:	300 bar		The HP 253 is a special version of a typical cylinder station with automatic changeover.
Outlet pressure ranges:	0,1-1; 0,1-3; 1-6 bar		It combines two pressure regulators which are placed in sequential position in one housing to save space.
Cv value:	0.06		
Operating temp.:	-20°C to +70°C		
Gauges:	inlet gauge outlet gauge		
Dimensions (wxhxd):	125 x 135 x 205 mm		
Weight:	4000 g		
Connections:	NPT 1/4" f		

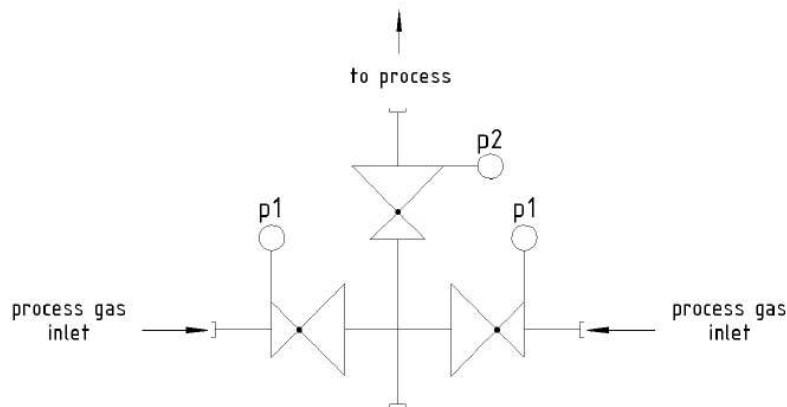
QUALITY STANDARD

The company Hornung is certified to **DIN EN ISO 9001** and **ISO 14001:2009**. All single parts are manufactured, assembled and tested by in-house production. The finished parts are therefore under all criteria of German quality control with 100% final inspection.

HP 253



FLOW DIAGRAM



SCOPE OF DELIVERY

Cylinder station with inlet and outlet gauges, mounted on a stainless steel wall bracket.

Compression fittings are not included.

ORDER DETAILS

Material:

- 1 = stainless steel
- 2 = brass

Inlet pressure (p1):

- 1 = 200 bar
- 2 = 300 bar

Outlet pressure (p2):

- 1 = 0,1 - 1 bar
- 2 = 0,1 - 3 bar
- 3 = 1 - 6 bar

Gauges:

- 1 = standard gauge
- 2 = contact gauge ex

HP253-
Type

2
Material

1
p1

2
p2

1
Gauge

Gas type
Gas type

Accessories: See total catalogue segment

7. Pigtail 200 bar (optional RV),
pigtail 300 bar (optional RV),
connecting hose 200 bar (optional RV),

connecting hose 300 bar (optional RV),
gauges, compression fittings,
cylinder retainers and accessories,

gas cylinder cabinets
and safety equipment
(RV = check valve)