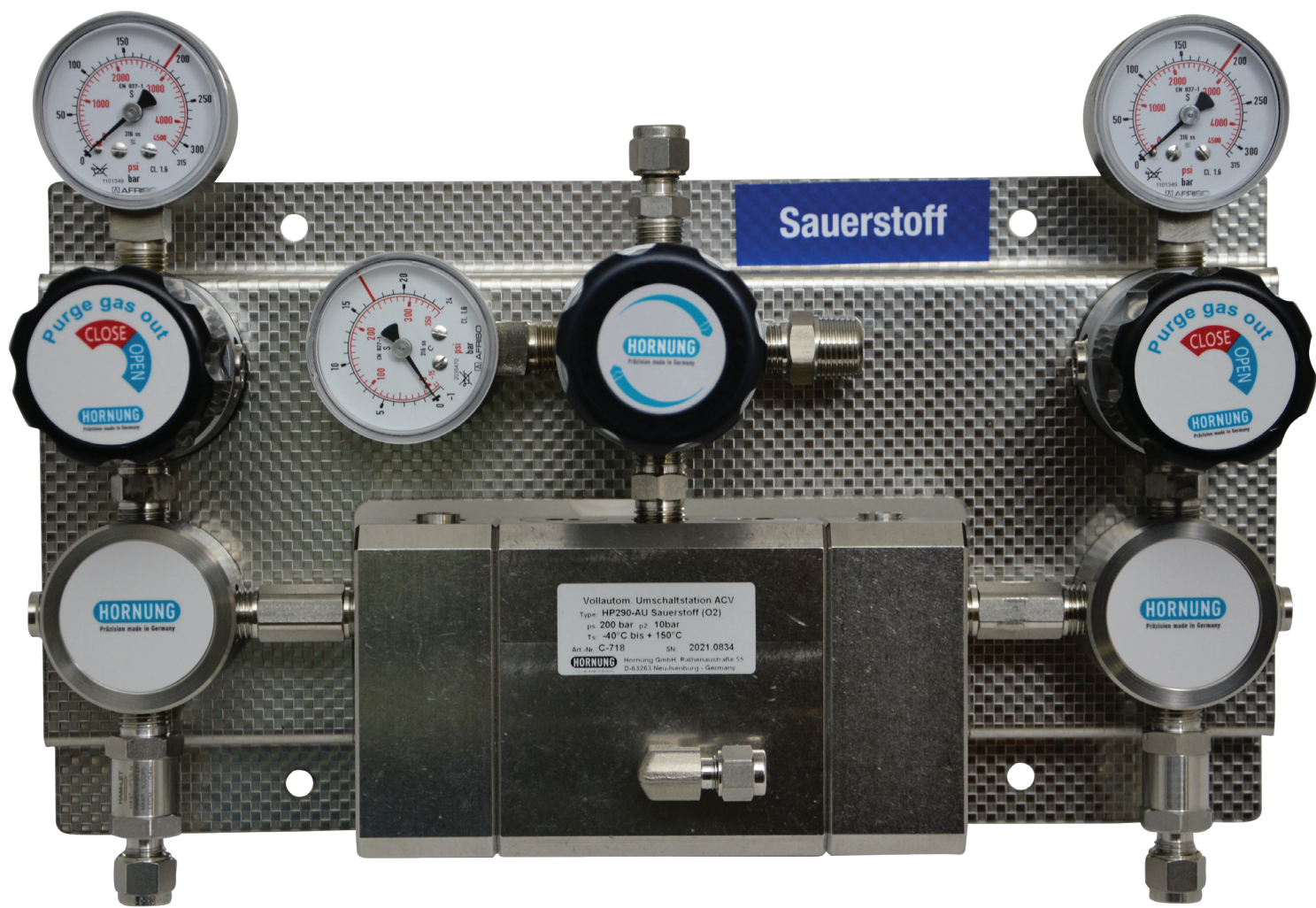


# Cylinder station HP290-ACV

- with Automatic Changeover Valve (ACV)



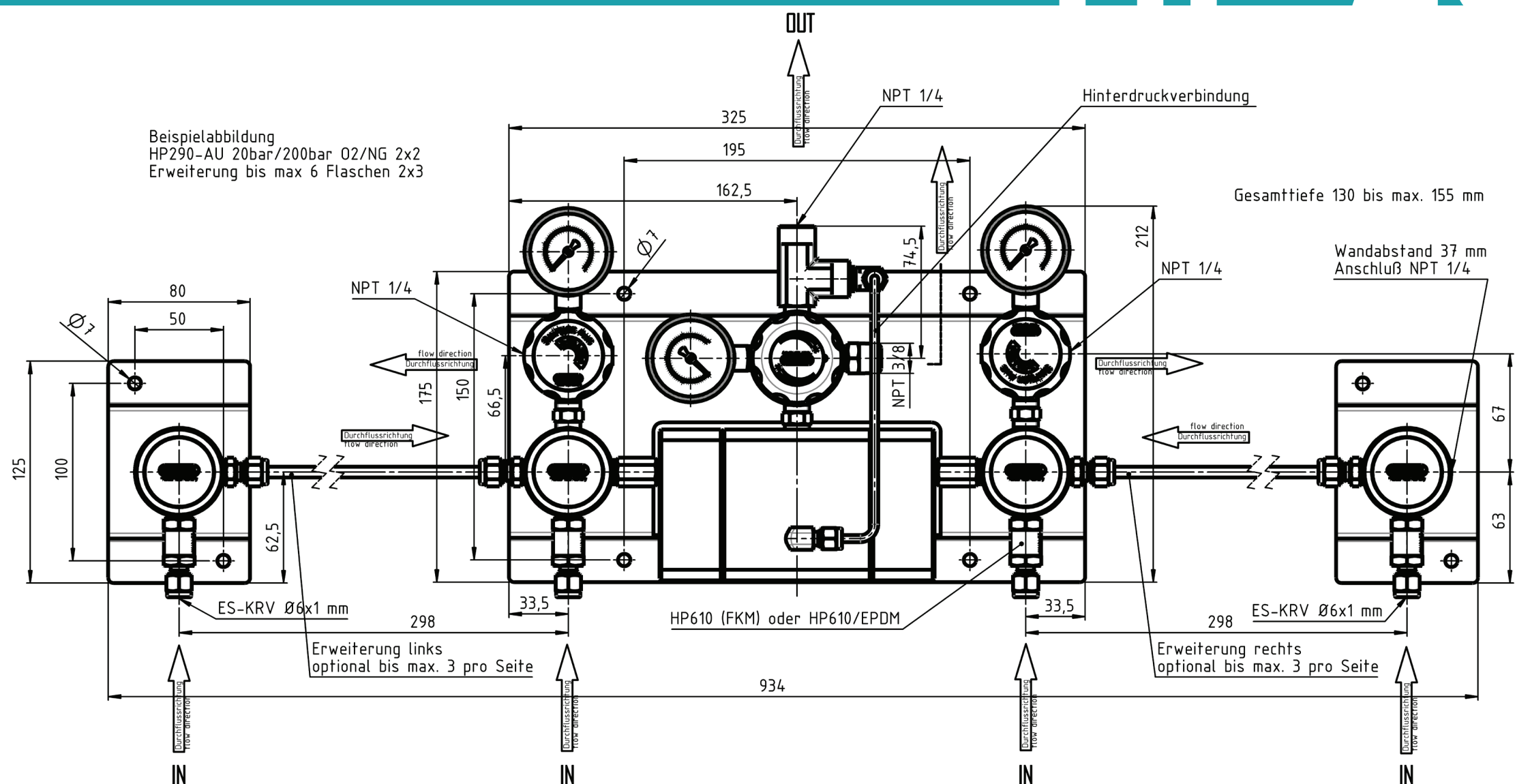
compression fittings at outlet are optional

TECHNICAL DETAILS		APPLICATION AREA	DESCRIPTION
Body:	stainless steel 1.4404 or brass chrome plated	<p>The cylinder station HP290-AU is designed for oxygen (BAM tested) and non-corrosive gases and is intended for gas purity 5.0.</p> <p>Especially for gases with high safety and tightness requirements, where an uninterrupted supply must be ensured overnight and at weekends.</p>	<p>The modular design enables an expansion to 2x2 or 2x3 gas cylinders.</p> <p>The single-stage pressure reducer with integrated blow-off valve for all pressure levels enables precise pressure adjustment.</p> <p>Equipped with filters in the inlet and flushing valves, the ergonomically designed expansion station can be used for compact installation situations in gas bottle cabinets.</p> <p>It can optionally be equipped with contact gauges.</p> <p>A gas shortage warning device and an emergency stop system for upgrading the safety circuit are also available as accessories (see also Chapter 7).</p>
Seat:	PCTFE		
Diaphragm:	1.4435		
Leakage rate:	10 <sup>-8</sup> mbar l/s He against atmosphere		
Gas purity:	≤ 5.0		
Max. inlet pressure:	max. 100 / 200 / 300bar		
Outlet pressure ranges:	1 - 12 bar 1 - 17 bar 1 - 30 bar 5 - 50 bar 5 - 100 bar 5 - 200 bar		
Operating temp.:	-40°C to +150°C		
Gauges:	safety version to: EN 837-1 KL1,6		
Dimensions (wxhxd):	325 x 212 x 155 mm		
Weight:	10 kg		
Connections:	NPT 1/4" f		

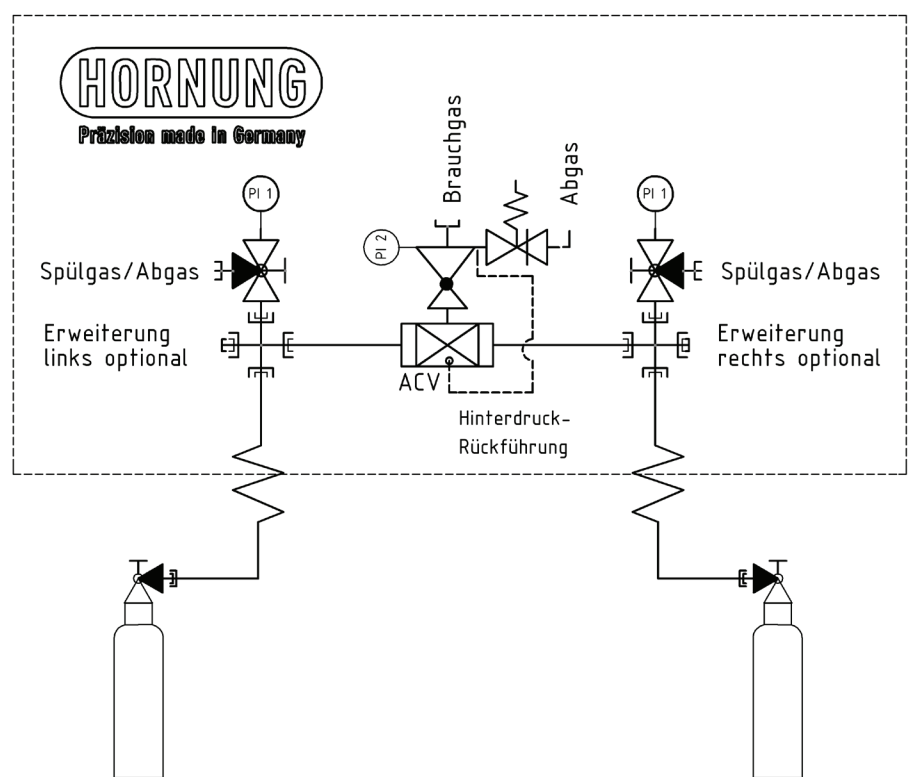
## QUALITY STANDARD

The company Hornung is certified to **ISO 9001** and **ISO 14001**. 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 290



## FLOW DIAGRAM



- ENG: Automatically Change Valve  
GER: vollauto. Umschaltventil ACV
- ENG: Waste gas valve or purge valve  
GER: Absperrventil Spülgas/Abgas
- ENG: Pressure regulator with balanced poppet  
GER: Druckminderer mit Vordruckausgleich
- ENG: Pre-pressure gauge  
GER: Vordruckmanometer
- ENG: Back pressure gauge  
GER: Hinterdruckmanometer
- ENG: Relief valve  
GER: Abblaseventil
- ENG: Connection block  
GER: Verteilerblock
- ENG: Back pressure return pipeline  
GER: Hinterdruck-Rückführung
- ENG: Connection  
GER: Anschluß

## ORDER DETAILS

Material:	Inlet pressure p1:	Outlet pressure p2:	Gauges:	Connections at outlet:
1 = stainless steel 2 = brass	1 = 100 bar 2 = 200 bar 3 = 300 bar	1 = 1 - 12 bar 2 = 1 - 17 bar 3 = 1 - 30 bar 4 = 5 - 50 bar 5 = 5 - 100 bar 6 = 5 - 200 bar	1 = standard gauge 2 = contact gauge ex	0 = NPT 1/4" f 1 = compression fitting 2 = shut-off valve

HP290- Type	2 Material	1 p1	1 p2	2 Gauges	2 Connections	Gas type Gas type
----------------	---------------	---------	---------	-------------	------------------	----------------------

Accessories: See total catalogue segment	Pigtail 200 bar, pigtail 300 bar, connecting hose 200 bar,	connecting hose 300 bar, gauges, compression fittings, cylinder retainers and accessories,	gas cylinder cabinets and safety equipment.
--	--	--	--