

Gas supply station ZD 400

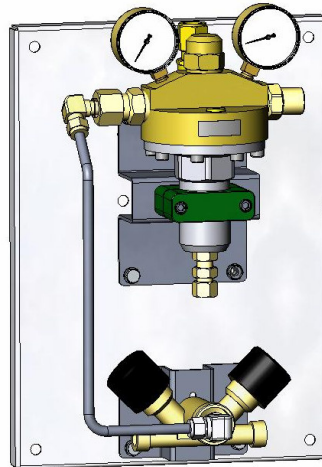


Figure 1

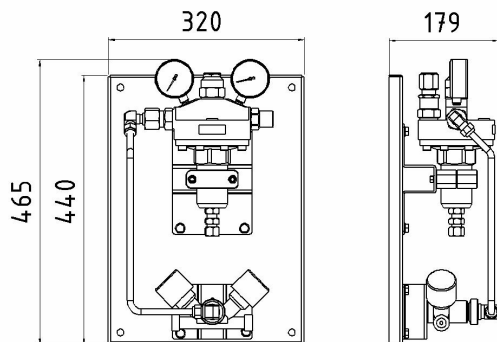
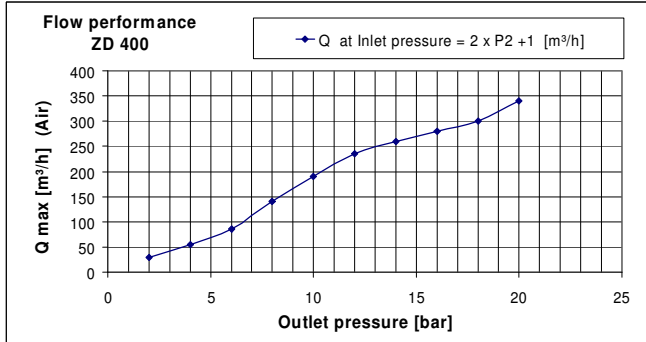


Figure 2



Hornung Quality standard

The company Hornung is certified to **DIN EN ISO 9001**

All single parts are manufactured, assembled and tested in house.

The finished parts are therefore under the criteria of our exact quality control with 100% final control.

Description

The supply station ZD 400 is available in a single and double sided configuration. The double sided station (Fig.1+2) for assembly in double sided cylinder and bundle battery systems guarantees the interruption free gas supply with manual switching.

The single sided station (Fig.3+4) is for assembly in single sided cylinder and bundle battery systems and ensures a safe cut-off of the gas supply.

With the supply station ZD 400 a maximum pressure of 300 bar can be reduced to a maximum pressure of 2, 5, 6, 8, 12 or 20 bar and held constant.

The supply station consists of a single stage central pressure regulator to DIN EN 961 (ISO 7291) with BAM Oxygen certification

The integrated relief valve protects the valve from excessive inlet pressure.

Double shut-off valve (double sided station) or a main shut-off valve (single sided station), both certified with BAM, are also a feature of the station.

The assembly is mounted on a wall bracket.

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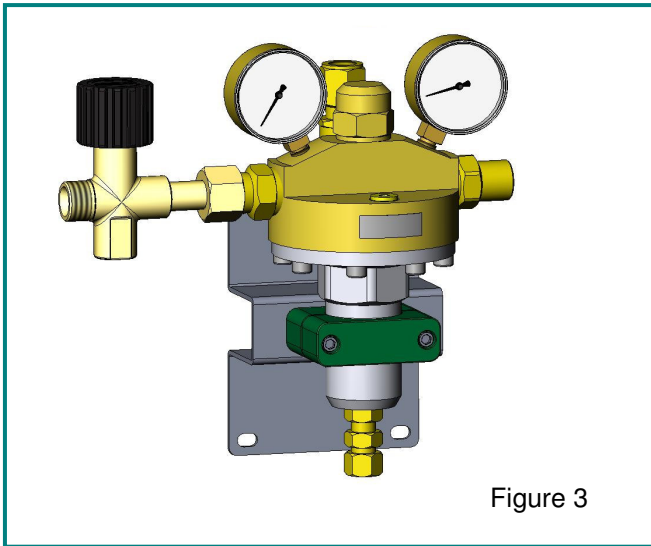


Figure 3

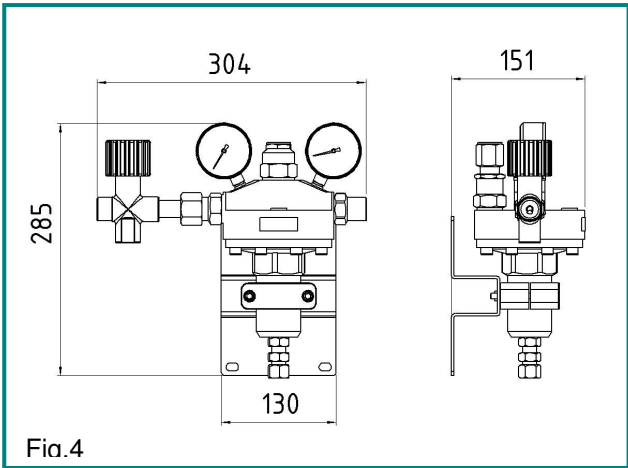


Fig.4

Figure 3+4: single side regulator (right)
Also available as left, sizes identical

Technical details:

Material: Brass
 Seat: PCTFE
 Filter: Metal, pore size 40µm
 Diaphragm: EPDM
 Max. Inlet pressure: 300 bar
 Max. Output: 340m³/h
 Regulating area: 0,1– 20bar
 Operating temp.: -20°C bis +60°C
 Size: 285 x 304 x 151 mm (1 s.)
 465 x 371 x 241 mm (2 s.)
 Weight: 7500g (1 s.)
 11000g (2 s.)
 Connections: Inlet:
 Single sided: G 3/4 DIN 8542
 or G 3/4 DIN 477
 double sided: G 3/4 DIN 477
 Outlet: G 3/4 DIN 8542
 Gauge: G1/4

Order details:

Format:

- 1 = single sided, right
- 2 = single sided, left
- 3 = double sided

Inlet pressure (p1):

- 1 = 200 bar
- 2 = 300 bar

Outlet pressure (p2):

- 1 = 0,1-2,5 bar
- 2 = 1-6 bar
- 3 = 1-8 bar
- 4 = 1-12 bar
- 5 = 1-20 bar

Connection inlet (only with single sided):

- 0 = G 3/4m DIN 477 /Nr.9: double sided
- 1 = G 3/4m DIN 8542: single sided
- 2 = G 3/4m DIN 477 /Nr.9: single sided

Order example:

Station -Type	
53	Supply station ZD 400

53	-1	1	2	1	Gas type
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Type Format p1 p2 Inlet Gas type

Accessories:

High pressure manifold : see data sheet “High pressure manifold”

Note:

See also data sheet “Cylinder battery system“ and “Bundle battery system”