

# Gas supply station ZD 400



Figure 1

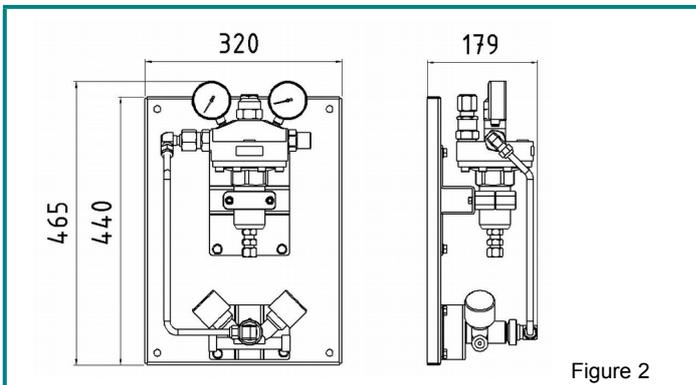
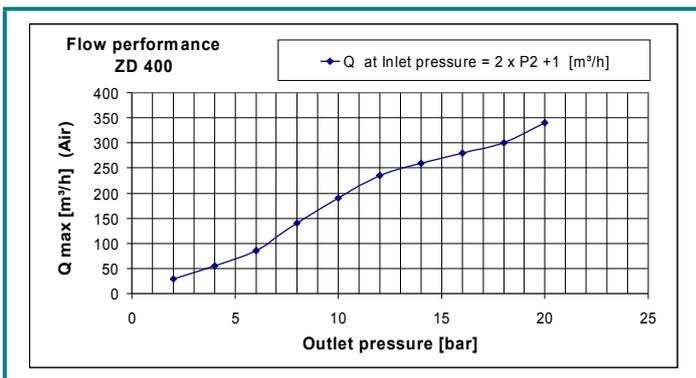


Figure 2



## Hornung Quality standard

The company Hornung is certified to **DIN EN ISO 9001 and ISO 14001:2009.**

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.

Hornung GmbH  
Rathenaustraße 55, 63263 Neu-Isenburg

Phone: +49 6102 7883-70  
Fax: +49 6102 7883-40

www.hornung.org  
info@hornung.org

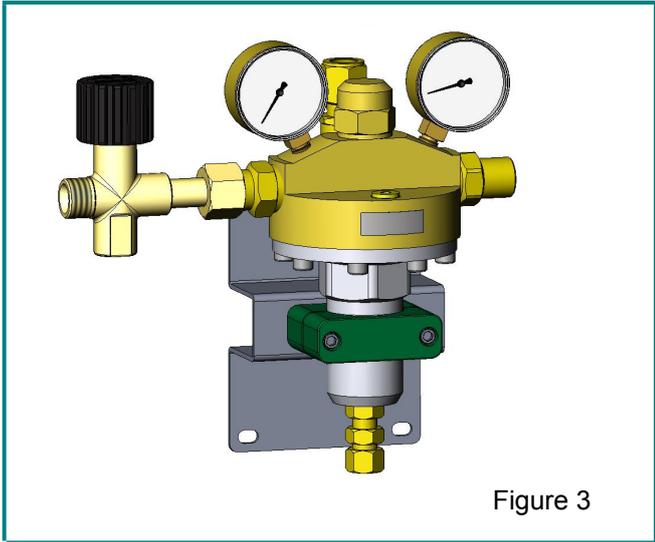


Figure 3

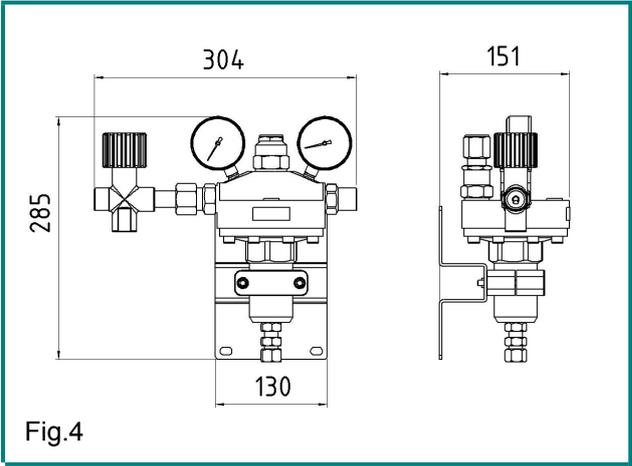


Fig.4

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

**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	
<b>53</b>	<b>Supply station ZD 400</b>

<b>53</b>	<b>-1</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>Gas type</b>
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”

