

# Gas supply station ZD 400



Figure 1

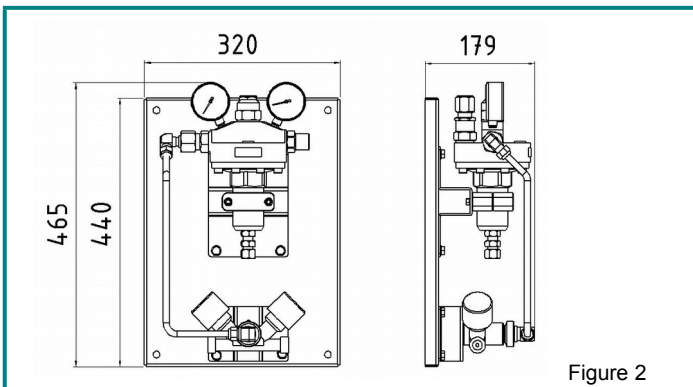
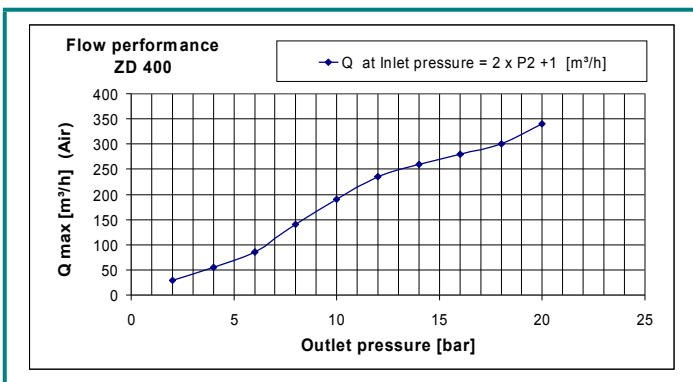


Figure 2



## 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.

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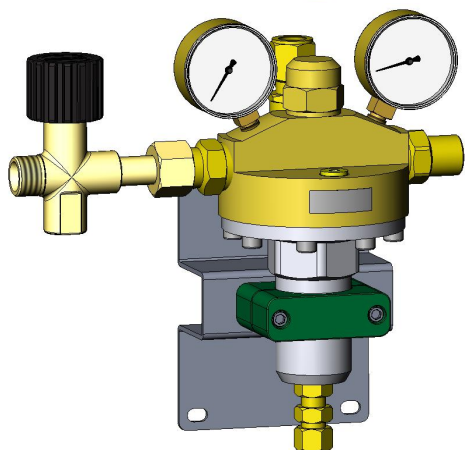


Figure 3

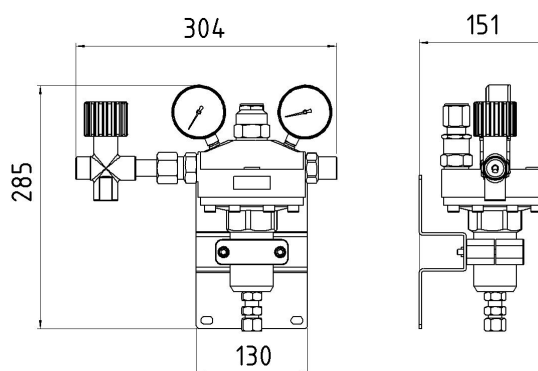


Fig.4

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:
	<i>single sided:</i> G 3/4 DIN 8542
	or G 3/4 DIN 477
	<i>double sided:</i> 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	
53	Supply station ZD 400

53	-1	1	2	1	Gas type
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"

