



- 1 Process gas inlet
- 2 Purge valve block
- 3 Connecting hose
- 4 Purge inlet valve
- 5 Purge outlet valve
- 6 Inlet pressure gauge
- 7 Outlet pressure gauge
- 8 Pressure regulator
- 9 Rupture disk
- 10 Check valve
- 11 Purge inlet
- 12 Purge outlet
- 13 Process gas outlet
- 14 Process gas inlet shut-off valve
- 15 Process gas outlet shut-off valve
- 16 Vacuum generator
- 17 Vacuum generator valve

Order code

Type	Gas type
DGS 2	Gas
DGS 2	Specification
DGS 3	of used gas

Single-stage, with external purging, for low flow reactive and corrosive special gases (hydrogen on request), purity max. 7.0, inlet pressure 230 bar / 3300 psi, outlet pressure adjustable 0,15 - 10 bar / 2 - 145 psi

Highlights DGS 2

- ▲ Regulator with tied diaphragm
- ▲ Spring less valves with 1/4 turn lever
- ▲ Rupture disk limits improper pressure level increase
- ▲ Safety gauges RM 63
- ▲ Regulator and valve material 316L/AOD/VAR

Features

This gas supply panel is assembled onto a stainless steel panel. Consisting of pressure regulator with inlet and outlet pressure gauge, outlet shut-off valve, rupture disk and connected to the gas stock via purgeable cylinder valve, the panel may be purged with external gas.

Application

This gas panel is used for low flow low pressure reactive or corrosive gases.

Technical data

Flow coefficients:	regulator 0,09, valves 0,29
Seat:	PCTFE
Reg. diaphragm:	Hastelloy C22
Process gas outlet:	VCR 1/4" f
Purge inlet + outlet:	VCR 1/4" m
Operating temperature:	-40 °C to +70 °C / 40 °F - 158 °F
Surface finish:	0,4 µm / 15 µin. Ra max. standard
Outboard leakage:	2 x 10 ⁻⁹ cm ³ /sec He at 100 bar/1500 psig inlet pressure
Seat leakage:	4 x 10 ⁻⁸ cm ³ /sec He at 70 bar/1000 psig inlet pressure

Single-stage, with external purging, for low flow low pressure special gases (hydrogen on request), purity max. 7.0, inlet pressure 230 bar / 3300 psi, outlet pressure adjustable 0,15 - 10 bar / 2 - 145 psi

Highlights DGS 3

- ▲ Vacuum generation with VG 80 at the purge outlet
- ▲ Regulator with tied diaphragm
- ▲ Spring less valves with 1/4 turn lever
- ▲ Rupture disk limits improper pressure level increase
- ▲ Safety gauges RM 63
- ▲ Regulator and valve material 316L/AOD/VAR

Features

This gas supply panel is assembled onto a stainless steel panel. Consisting of pressure regulator with inlet and outlet pressure gauge, outlet shut-off valve, rupture disk and connected to the gas stock via purgeable cylinder valve, the panel may be evacuated by a vacuum generator for maximum purging effectivity.

Application

This gas panel is used for low flow low pressure reactive or corrosive gases.

Technical data

Flow coefficients:	regulator 0,09, valves 0,29
Seat:	PCTFE
Reg. diaphragm:	Hastelloy C22
Process gas outlet/ purge inlet:	VCR 1/4"m
Vacuum generator	outlet: VCR 1/4"m, inlet: VCR or tube weld
Operating temperature:	-40 °C to +70 °C / 40 °F - 158 °F
Surface finish:	0,4 µm / 15 µin. Ra max. standard
Outboard leakage:	2 x 10 ⁻⁹ cm ³ /sec He at 100 bar/1500 psig inlet pressure
Seat leakage:	4 x 10 ⁻⁸ cm ³ /sec He at 70 bar/1000 psig inlet pressure