GCC druva

GAS PANELS DGS 2 / DGS 3



FLOW SCHEMATIC



12 Purge outlet Process gas outlet

Process gas inlet

Process gas outlet

Vacuum generator

Vacuum generator

shut-off valve

shut-off valve

13

14

15

16

17

valve

- Process gas inlet
- 2 Purge valve block
- Cylinder connection 3
- Purge inlet valve Purge outlet valve
- 5 6
- Inlet gauge
- Outlet gauge
- Pressure regulator 8 Rupture disc
- 9 10 Check valve
- Purge inlet 11



FLOW SCHEMATIC



Single-stage, with external gas purging, for low flow rates reactive and corrosive special gases, purity max. 7.0,

inlet pressure 230 bar / 3300 psi, adjustable downstream pressure 0.15 - 10 bar / 2 - 145 psi

SPECIAL FEATURES DGS 2

- Pressure regulator with tied diaphragm
- Springless diaphragm valve with 90° turn lever
- Rupture disc limits max. pressure
- Safety gauge RM 63
- Pressure regulator and valve material 316L/AOD/VAR

DESCRIPTION

This single-stage gas supply panel is mounted onto a stainless steel console and consists of a pressure regulator with inlet and outlet pressure gauges, downstream shut-off valve and rupture disk. The gas stock is connected via a purgeable cylinder valve so that the station can be purged with inert gas.

APPLICATION

These gas supply panels are used for low flow rates by low pressure for reactive or corrosive gases.

TECHNICAL DATA

Flow rate data Cv:	Pressure regulator 0.09, valve 0.29
Seat:	PCTFE
Diaphragm:	Hastelloy C22
Process gas outlet:	VCR 1/4"f
Purge inlet + outlet:	VCR 1/4"m
Working temperature:	-40 °C to +70 °C / 40 °F - 158 °F
Surface finish:	0.4 μm / 15 μin. Ra max. standard
Outboard leakage:	2×10^{-9} cm ³ /sec He by 100 bar/1500 psig inlet pressure
Seat leakage:	4×10^{-8} cm ³ /sec He by 70 bar/1000 psig inlet pressure

Single-stage, with external gas purging, for special gases, purity max. 7.0, inlet pressure 230 bar / 3300 psi,

adjustable downstream pressure 0.15 - 10 bar / 2 - 145 psi

SPECIAL FEATURES DGS 3

- External gas purging with FAV 903 and vacuum generation with VG 80
- Pressure regulator with tied diaphragm
- Springless diaphragm valve with 90° turn lever
- Rupture disc limits max. pressure
- Safety gauge RM 63
- Pressure regulator and valve material 316L/AOD/VAR

DESCRIPTION

This single-stage gas supply panel is mounted onto a stainless steel console and consists of a pressure regulator with inlet and outlet pressure gauges, downstream shut-off valve and burst disk. The gas stock is connected via a purgeable cylinder valve so that with the help a vacuum generator the station can be purged extremely effectively with inert gas.

APPLICATION

GAS

These gas supply panels are used for low flow rates of high purity, reactive corrosive gases and special gases.

TECHNICAL DATA

Flow rate data Cv:	Pressure regulator 0.09, valve 0.29
Seat:	PCTFE
Diaphragm:	Hastelloy C22
Process gas outlet/ Purge inlet:	VCR 1/4"m
Vacuum generator:	Outlet: VCR 1/4"m, inlet: VCR or tube welded
Working temperature:	-40 °C to +70 °C / 40 °F - 158 °F
Surface finish:	0.4 μm / 15 μin. Ra max. standard
Outboard leakage:	2×10 ⁻⁹ cm ³ /sec He by 100 bar/1500 psig Inlet pressure
Seat leakage:	4×10^{-8} cm ³ /sec He by 70 bar/1000 psig Inlet pressure