

Safety Device according to EN 730-1, ISO 5175 Modell: **DGN**



For protection of Cylinder-Regulators and Tapping Points.



The standard safety device for industries and small enterprises. The model DGN covers the most applications and can be used on Tapping Points as well as on single Cylinders.

Safety elements:

Gas non-return valve
Flame arrestor
Thermal cut-off valve

NV
FA
TV

Dust filter promotes long shelf-life

Threads:

In accordance with EN 560, ISO 3253 or country specific connections

Fuel Gas: G3/8" LH, M16X1.5 LH, UNF9/16"-18 LH, UNF5/8"-18 LH, 1/4"-NPT

Oxygen/ Compressed Air: G1/4" RH, G3/8" RH, M16X1.5 RH, UNF9/16"-18 RH, UNF5/8"-18 RH, 1/4"-NPT

Gas-Types:

Acetylene (A), Town Gas (C), Ethylene (E), Hydrogen (H), Natural Gas (Methane) (M), Propane (P), Oxygen (O), Compressed Air (D)

Working Pressure:

A 1.5 bar ; H 3.5 bar ; CEMP 5.0 bar ; DO 15.0 (25.0) bar

Measure and weight:

diameter: 22,00 mm
length: 83,00 mm
weight: 152,00 g

Maintenance:

The safety devices have to be tested by a qualified and authorised person at regular intervals according to country specific regulations. They have to be tested for gas tightness and gas return at least once a year.

Design:

Other materials and surface finishing on request.

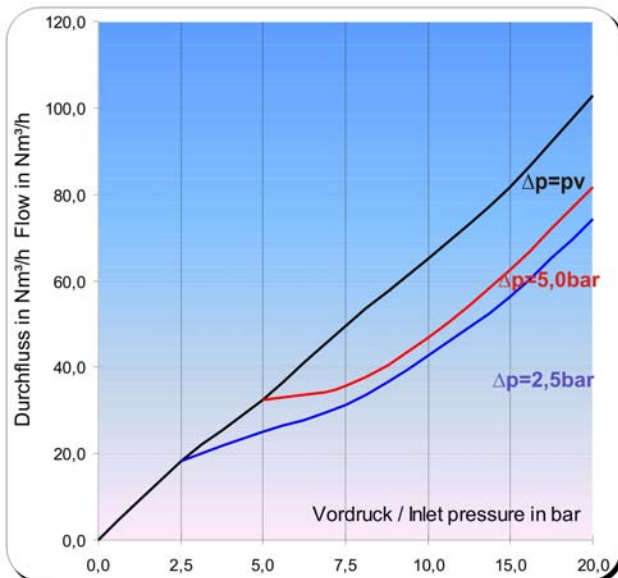
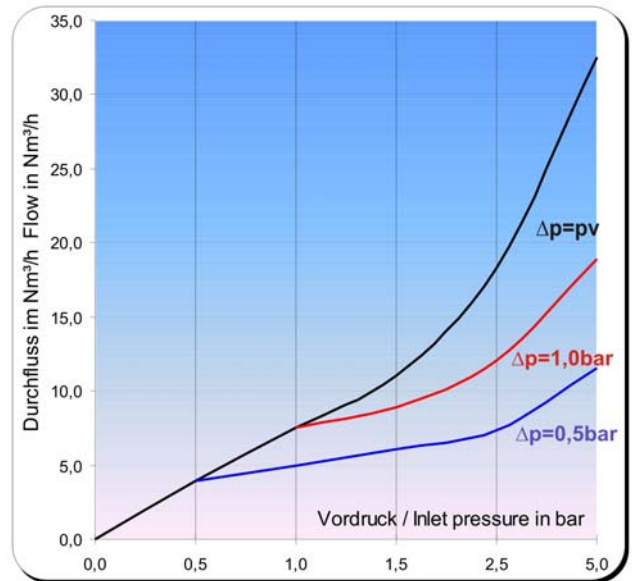
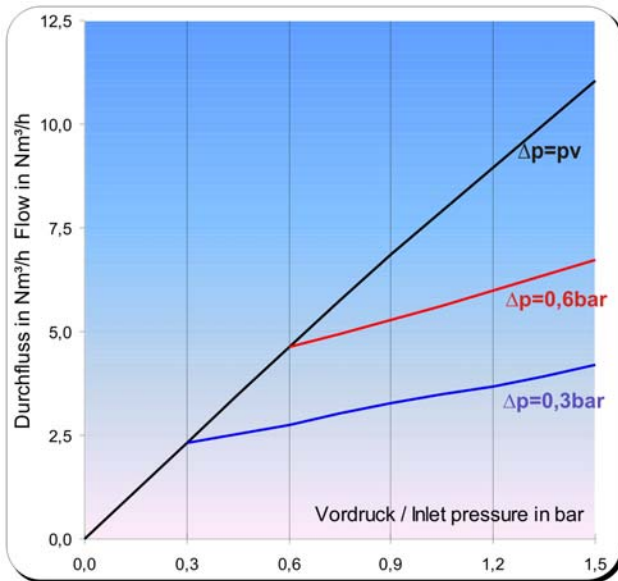
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Flow rates:

p_v = Primary pressure

p_h = Secondary pressure

Δp = Primary pressure minus Secondary pressure



Conversion Factors

Gas type	Code	Pressure units:
Acetylen	A	1MPa = 10bar
Oxygen	O	1bar = 14,28psi
Hydrogen	H	1MPa = 1,428psi
Air	D	1bar = 100kPa
Natural Gas, Methane	M	1m ³ = 1,31cu.yd
Propane	P	
Ethene	E	
MPS	Y	

Flow rate

Air	Air	1,00
Air	Acetylen	1,20
Air	Butane	0,86
Air	Natural Gas	1,25
Air	Methane	1,40
Air	Propane	0,90
Air	Oxygen	0,95
Air	Hydrogen	2,50
Air	Ethene	1,02
Air	MPS	0,81