

Safety Device according to EN 730-1, ISO 5175

Model: **DG91 UA**



For Torch Side protection.



Always used where high flow rates are required. Because of special offset connections the DG91UA can be installed even in places with little space.

Safety features:

- Gas non-return valve NV
- Flame arrestor FA

Threads:

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

Fuel Gas: G3/8"LH, G1/2"LH, G5/8"LH, M16X1,5LH, UNF9/16"-18LH, UNF5/8"-18LH, UNF7/8"-14LH

Oxygen/Compressed Air: G1/4"RH, G3/8"RH, G1/2"RH, G5/8"RH, M16X1,5RH, UNF9/16"-18RH, UNF5/8"-18RH, UNF7/8"-14RH

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 4.0 bar ; CEMP 5.0 bar ; DO 15.0 bar

Measure and weight:

diameter: 32,00 mm

length: 129,00 mm

weight: 429,00 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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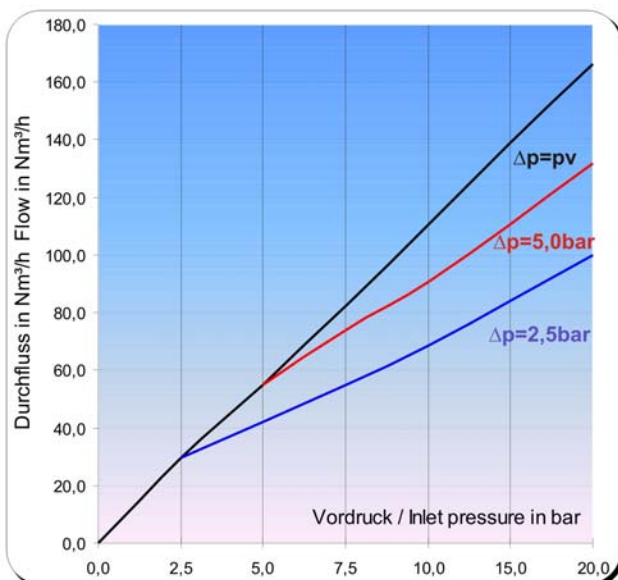
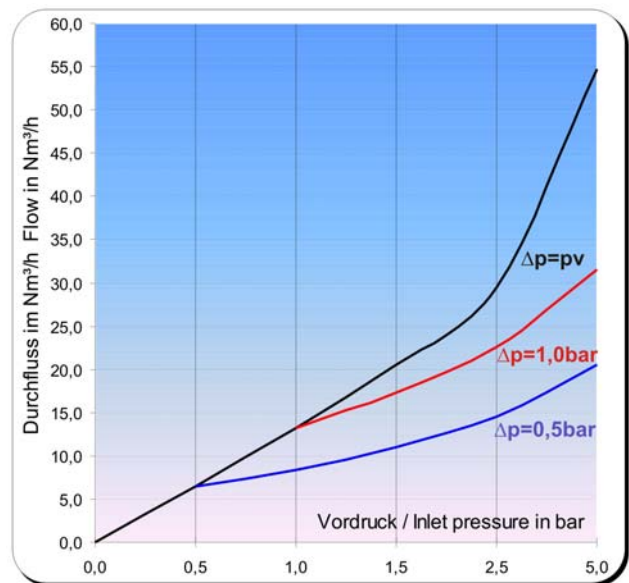
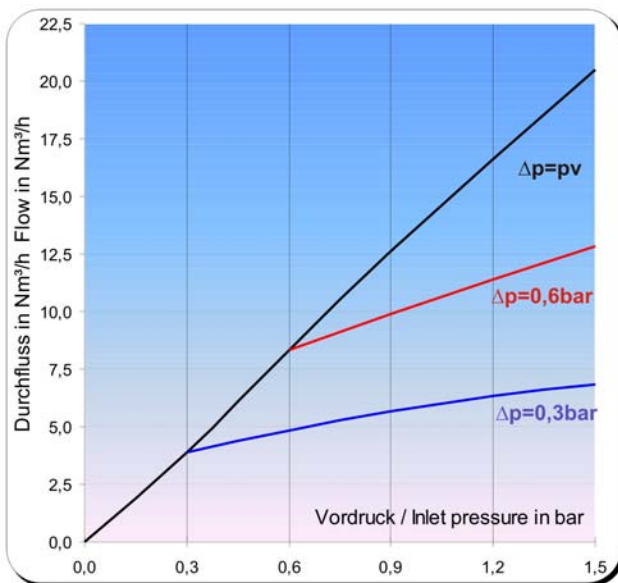
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Flow rates:

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 = 14,503psi
Hydrogen	H	1MPa = 145,03psi
Air	D	1bar = 100kPa
Natural Gas, Methane	M	1m³ = 35,32 ft³/h
Propane	P	
Ethene	E	

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



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