

Safety Device according to EN 730-1, ISO 5175

Model: **SHT**



For Torch Side protection.



Whether at the Flame Cutting machine or at Burner the compact construction offers the possibility for installation with smallest possible 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, M16X1.5LH, UNF9/16"-18LH, UNF5/8"-18LH, 1/4"-NPT

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

For additional connections please contact IBEDA

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 (20,0) bar

Measure and weight:

diameter: 21,00 mm

length: 49,50 mm

weight: 85,30 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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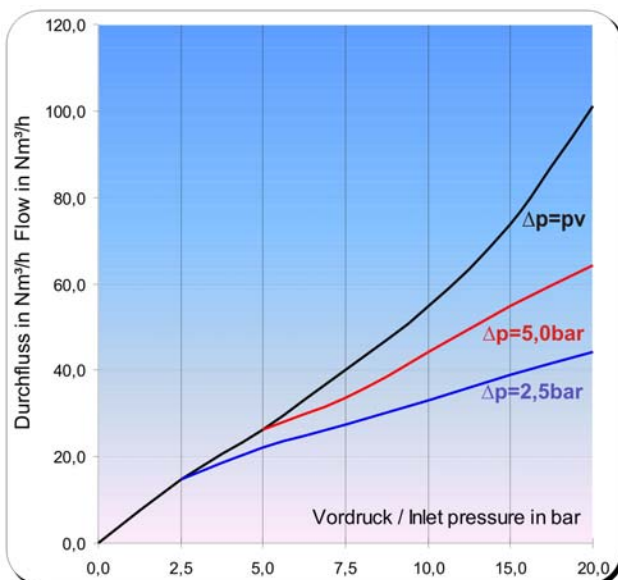
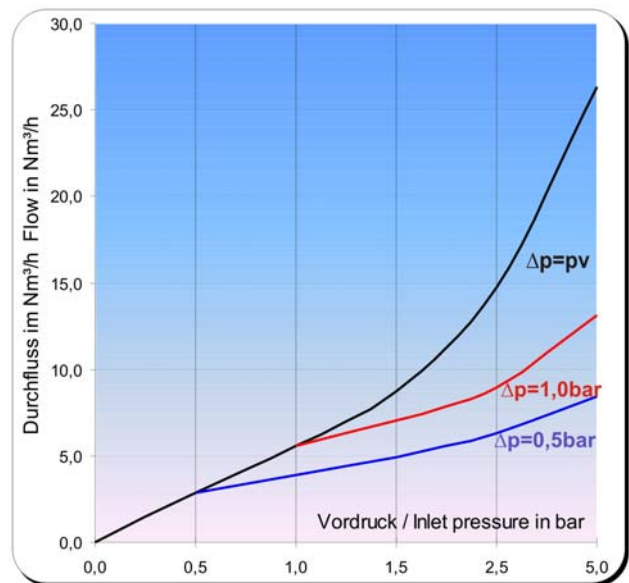
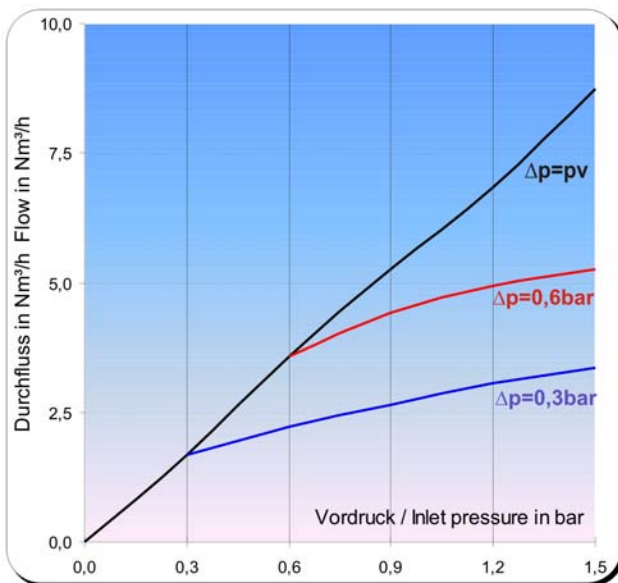
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Flow rates:

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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