

## Safety Device according to EN 730-1, ISO 5175

Model: **TT**



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
- Flame arrestor

NV  
FA

### Threads:

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

Fuel Gas: 4 , 5 , 6.3 , 8 , 9mm pin

Oxygen: 4 , 5 , 6.3 , 8 , 9mm pin

Inert Gas/Compressed Air: 4 , 5 , 6.3 , 8 , 9mm pin

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: 23,62 mm

length: 75,23 mm

weight: 64,00g

### 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.



CERTIFIED SAFETY

*Worldwide!*

## Safety Device according to EN 730-1, ISO 5175

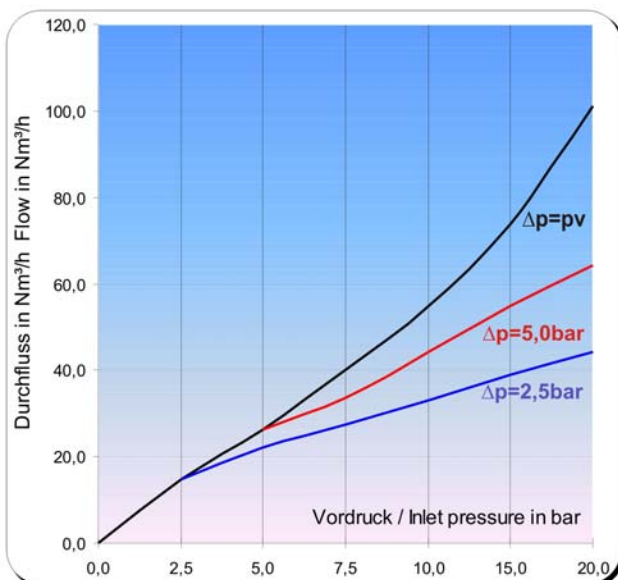
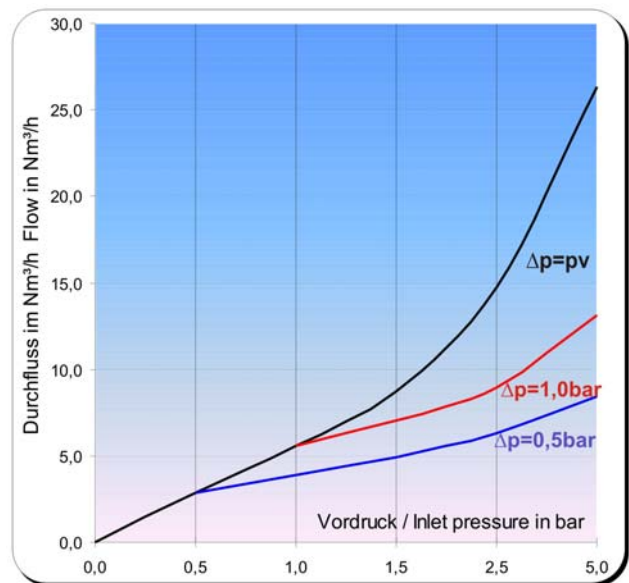
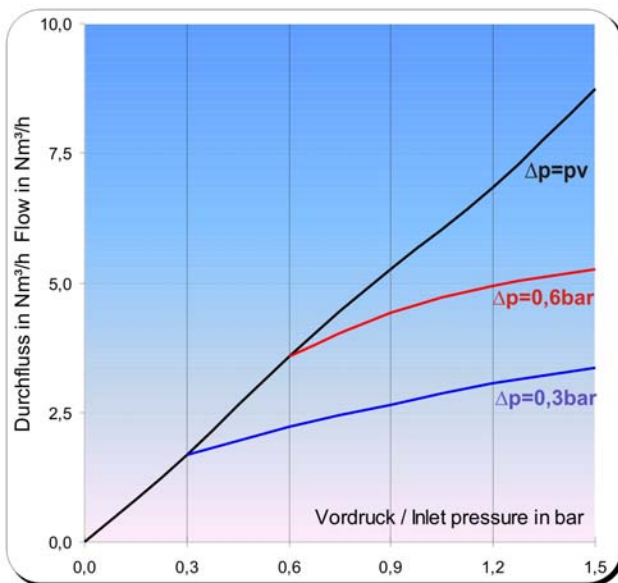
Model: *TT*

### Flow rates:

$p_v$  = Primary pressure

$p_h$  = Secondary pressure

$\Delta p$  = 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



CERTIFIED SAFETY.  
*Worldwide!*