

→ Checklist for enquiries

Safety/Pressure relief and Overflow valves

a.) Which **type of plant** should be protected by the safety valves?

b.) Required **function**:

- Safety valves (*protection of the plant/the vessel/the system according to Pressure Equipment Directive*)
 Pressure-relief-valves (*pressure relief, with a spring range or set and sealed at a fixed pressure*)
 Overflow-valves (*bypass valve/pump protection/pressure limitation*)

c.) Which **medium** is involved?

- compressible (air, gas, steam) neutral non-neutral (flammable, toxic, ...)
 non-compressible (liquids) neutral non-neutral (flammable, toxic, ...)

Description/ type of medium (e.g. water, heating oil, fuels, nitrogen,...): _____

d.) What is the **temperature** of the medium? min. _____ °C to max. _____ °C

e.) Which **materials** are required?

1.) **Body:** Stainless steel Brass Gunmetal Spheroidal graphite cast iron

2.) **Seal:** EPDM FKM NBR

FFKM PTFE metal to metal sealing others: _____

f.) What range of **adjustment / set pressure** is required?

Set pressure safety valve: _____ bar overpressure

Range of adjustment/set pressure

Overflow-/pressure relief valve: _____ to _____ bar overpressure

Is there superimposed counter pressure affecting the outlet side of the valve? Yes, _____ bar overpressure

Remark: Type tested safety valves are set and sealed at the factory. If changes are made to the product by the operator, the warranty shall not apply.

g.) What **blow-off capacity** Steam: _____ kg/h Air: _____ Standard m³/h
or flow volume is required? Heat output: _____ kW Water: _____ m³/h

h.) Which **connection size** is required? (the required blow-off capacity defines the connection size necessary)

Thread: DN 8 (1/4") DN 10 (3/8") DN 15 (1/2") DN 20 (3/4") DN 25 (1") DN 32 (1 1/4") DN 40 (1 1/2") DN 50 (2")

Flange: DN 15 DN 20 DN 25 DN 32 DN 40 DN 50 DN 65 DN 80 DN 100

i.) What **connection type** is required?

Female thread BSPP

Male thread BSPP

Flange DIN EN Pressure rating: PN _____

Special connection

Flange ASME Pressure rating: Class _____

Description: _____

j.) Required **approvals**:

None

TÜV and CE

Others

Which? _____

see catalogue 2.5 "Quickfinder based on certificate required"

k.) Special **approval certificates** according to DIN EN 10204:

For the valve setting:

Factory Test Report 2.2

Factory Inspection Certificate 3.1

TÜV Inspection Certificate 3.2

For the material of the pressure-bearing body parts:

Inspection certificate 3.1

For the valve being oil- and grease free according to DIN EN 12300 or factory specification:

Inspection certificate 3.1

l.) Other **documentation** required: _____

m.) Additional **Accessories**:

Sensor control of the bellows

Proximity switch for display of the valve opening

n.) **Other** important information concerning installation situation and plant:

1.) Maximum **required operating pressure** in the plant or in the process: _____

2.) What causes **excessive pressure in the plant**?

Expansion of the medium due to heating

Defective pressure switch or non switching-off of the compressor or pump

Closed valve due to operating error

3.) What **plant-specific characteristics** have to be considered?

Plant-specific standards and regulations

Hygienic standards (food- and pharmaceutical applications)

Explosion protection (Ex, ATEX)

Environmental conditions (cold, heat, radiant heat,...)

Vibrations

Tightness requirements (Helium leak test required)

4.) **Specific features of the installation situation** (supply pipe, discharge pipe):

Description or photo

o.) **Sender**:

Name: _____

Company: _____

E-Mail: _____