Please complete and return to: sales@armourvalve.com

→ 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 or flow volume** is required?

Steam: _____ kg/h Air: _____ Standard m³/h

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 (¼") ☐ DN 10 (⅜") ☐ DN 15 (½") ☐ DN 20 (¾") ☐ DN 25 (1") ☐ DN 32 (1¼") ☐ DN 40 (1½") ☐ 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: _____

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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: _____

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