

→ Checklist for enquiries Pressure reducing valves

a.) Which **function** should be achieved with the valve?

- Reduction of a higher or varying inlet pressure to a lower outlet pressure
(= resting pressure at zero-usage)
- Reduction of higher or varying inlet pressure to a lower flow pressure
(= prevailing flow pressure at usage)

b.) **Type of application:**

- Building technology (potable water supply)
- Compressed air supply
- Pump stations and Pressure booster plants
- Fire fighting- and sprinkler systems
- Shipbuilding
- Water supply General air supply Starter- or control air
- Others: _____

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. seawater, heating oil, fuel, nitrogen...): _____

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

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

- 1.) **Body:** Gunmetal / Brass Stainless steel
- 2.) **Seal:** EPDM FKM

f.) **Pressures:**

- Inlet pressure: _____ bar (gauge)
- Outlet pressure: Pressure range _____ bar to _____ bar (gauge)

g.) The **outlet pressure** required as:

- Resting pressure (no flow; draw-off point closed)
- Flow pressure (flow; draw-off point open)

h.) **Fixed setting** and **sealing** of the outlet pressure is required: _____ bar (gauge) at zero-usage

i.) Required **flow volume:**

- Water _____ m³/h
- Air _____ Standard m³/h

j.) **Max. permissible pressure drop of the outlet pressure** at the required flow volume
(pressure difference between resting pressure and flow pressure):

Delta-p _____ bar (gauge) at zero-usage

k.) Required **kv value**: _____

l.) 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

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

Female thread BSPP Union joints with male BSPT threaded connection

Flange DIN Special connection

Description: _____

n.) Required **approvals**:

None

DVGW

Others

Which? _____

see catalogue 2.5 "Quickfinder based on certificate required"

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

For the valve setting:

Factory Test Report 2.2 Factory Inspection Certificate 3.1

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

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

q.) Important information concerning installation situation and plant:

1.) Specific features of the installation situation: Description or photo

2.) 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, pressure surges, etc.

Heating up of the medium within a confined space on the outlet side

r.) **Sender**:

Name: _____ Company: _____

E-Mail: _____