

The safety device (non-return valve/ check valve) **GRV50:**

Model for protection of pipelines, tapping points and equipment

The safety device GRV50:

- avoids dangerous gas mixtures by a gas non-return valve (NV)
- a dust filter protects the gas non-return valve against contamination
- every safety device is 100 % tested

Safety elements of the IBEDA non-return valve GRV50:

- NV Gas non-return valve
- DF Dust filter

For further information: <http://www.ibeda.com/en/gas-non-return-valves>

Maintenance:

The safety devices have to be tested by a qualified and authorized 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.

Safety devices are only to be opened and repaired by the manufacturer.

The dust filter may be replaced by a qualified person.



NG-4390CQ0062

Technical Data:			
Safety device GRV according to EN 730-2: not flashback resistant, not flashback proof			
Gas types:	Industrial gas (C)	Hydrogen (H)	Natural Gas (Methane) (M) Ethylene (E) Propane (P) Propylene (L) Oxygen (O)
			Compressed Air (D) Nitrogen (N) Carbon dioxide (N) Argon (N) Helium (N)
Working pressure:	2,0 MPa (with Flange 1,6 MPa) 20 bar (with Flange 16 bar)		
Cracking pressure:	4 to 6 mbar position-independent		
Ambient/ working temperature:	-20°C up to +70°C		
Threads: DIN ISO 228	G2 IG RH G1 1/2 IG RH 2 NPT IG RH 1 1/2 NPT IG RH		
Flange connection: EN 1092 Type 04	DN40/PN16 DN50/PN16		
Measure and weight:	diameter:	length:	weight:
Thread G11/2:	94 mm	124 mm	3,7 kg
Flange DN 40/PN16:	150 mm	316 mm	11,0 kg
Thread G2:	94 mm	145 mm	4,6 kg
Flange DN 50/PN16:	160 mm	337 mm	11,0 kg
Application:	Heating burner, gas mixing- and control systems, applications according to EN 746-2		

Other materials, surface finishing and additional connections available on request.

Model: GRV50

Declaration of conformity

We, the manufacturer, hereby declare that the safety devices in accordance with EN 730-2 comply with the requirement of the following directives and standards:

Directive 97/23/EG

Standard: EN 730 Part 2

Safety devices in accordance with EN 730-2 for combustible or oxidising gases (group 1), Model GRV, are subject to the conformity assessment procedure pursuant to 97/23/EG, Category I, Module A.

As per Pressure Equipment Directive 97/23/EG, the safety devices in accordance with EN 730-2 for other inert gases (group 2), Model GRV, are subject to Article 3 Para. 3 (Good engineer practice and knowledge). The manufacturer of these products is neither allowed to issue an EU-conformity declaration nor to provide CE-marking on the product.

Certification/ Technical Standards/ Rules

BAM Federal Institute for Materials Research and Testing,
DVGW Deutsche Vereinigung des Gas- und Wasserfaches e.V.
BGR German Health and Safety Regulations,
BGR German employer's liability insurance association rules and regulations,
DVS German Association for Welding, Cutting and Allied Processes

Standards/ Approvals

Company certified according to
ISO 9001:2008 and ISO 14001:2004,
CE-marking according to: Pressure Equipment Directive 97/23/EG

(Subject to change without notice)