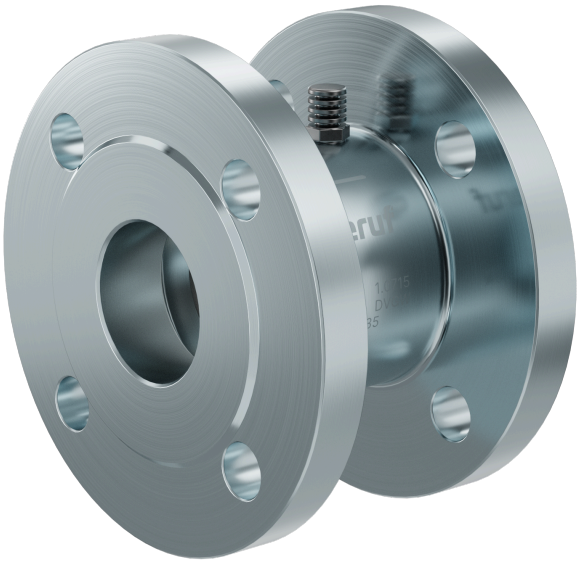
Thermal shut-off device TYPE TA12



Description:

A galvanized steel shut-off device that automatically shuts off the gas flow as soon as the trigger temperature is reached.

Product Features:

- Suitable for gases according to G260 and hydrogen
- in accordance with DVGW TRGI (Technical Rules for Gas Installations)
- With external sensor
- In accordance with the requirements of DIN 3586
- Corrosion protection under gas conditions per DVGW G260
- Classification according to PED Category 3, PED 2014-68-EU
- Observe flow direction

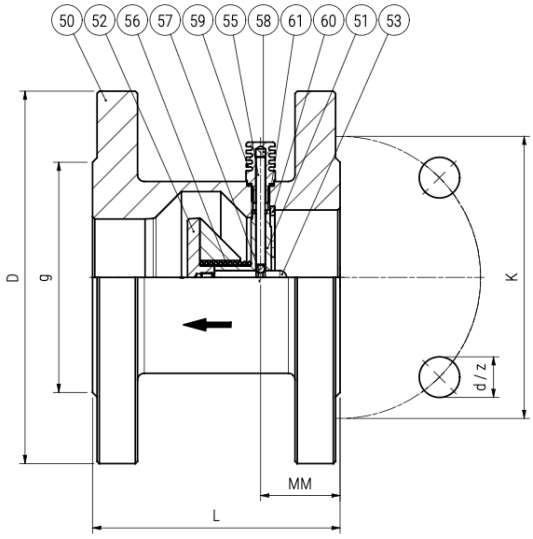
Connection:	**Construction:**	**Pressure rating:**
DN25, DN32, DN40, DN50, DN65, DN80, DN100, DN125, DN150, DN200	Full bore	MOP5

Type:	Body with integrated trigger elements and closing body
Body material:	DN25 – DN50: Galvanized steel 1.0715 DN65 – DN200: Galvanized steel 1.0570
Ball material:	Stainless steel 1.4301 / AISI 304
Seat cone material:	Stainless steel 1.4104 / AISI 430F
Flange:	DIN EN 1092-1 Sealing surface B1 PN16*
Temperature:	-20°C to +60°C
Ambient temperature:	≤ 60°C
Thermal resistance:	≤ 650°C
Activation temperature:	< 95°C ±5K
Activation time:	< 60 s
Pressure rating:	MOP5
Approval:	DVGW Gas Approval in accordance with DIN 3586 DVGW approval in accordance with the Gas Appliance Regulation GAR EU-2016-426

*Please note that the maximum operating pressure for this thermally actuated shut-off device is 5 bar (MOP5)

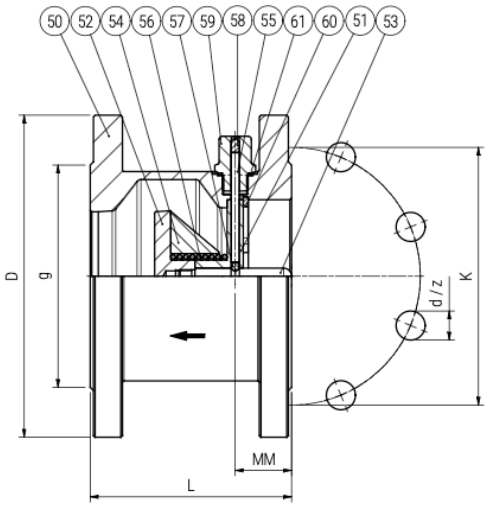
Materials DN25 to DN50:

No.	Designation	Material
50	Body	Galvanized steel 1.0715
51	Star	Brass CW614N
52	Locking cone	Stainless steel 1.4104 / AISI 430F
53	Guide pin	Stainless steel 1.4104 / AISI 430F
55	Release pin	Stainless steel 1.4301 / AISI 304
56	Compression spring	Spring steel 1.4310
57	Ball	Stainless steel 1.4301 / AISI 304
58	Solder	Solder 95
59	Outdoor sensor	Galvanized steel 1.0503
60	Retaining ring	Spring steel
61	Sealing ring	Copper



Materials DN65 to DN200:

No.	Designation	Material
50	Body	Galvanized steel 1.0570
51	Star	Galvanized steel 1.0715
52	Locking cone	Stainless steel 1.4104 / AISI 430F
53	Guide pin	Stainless steel 1.4104 / AISI 430F
54	Flow cone	Aluminum 3.2315
55	Release pin	Stainless steel 1.4301 / AISI 304
56	Compression spring	Spring steel 1.4310
57	Ball	Stainless steel 1.4301 / AISI 304
58	Solder	Solder 95
59	Outdoor sensor	Galvanized steel 1.0503
60	Retaining ring	Spring steel
61	Sealing ring	Copper

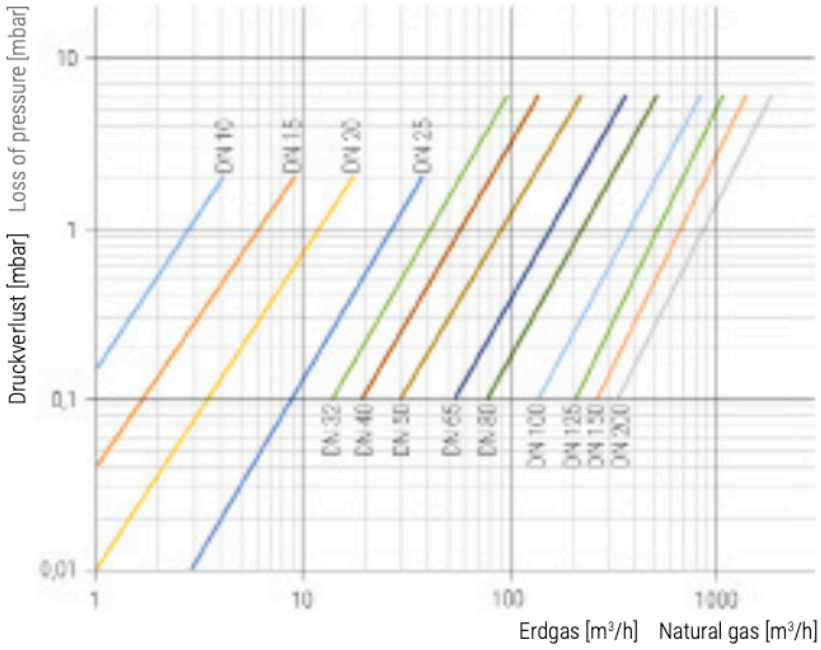


Dimensions:

DN	L	MM	D	K	g	z	d	Weight (kg)
25	80	28	115	85	68	4	14	2.67
32	90	35.3	140	100	78	4	18	3.86
40	90	35.3	150	110	88	4	18	4.89
50	110	35.3	165	125	102	4	18	6.80
65	125	35	185	145	122	4	18	9.17
80	125	35	200	160	138	8	18	10.50
100	175	35	220	180	158	8	18	16.07
125	175	35	250	210	188	8	18	20.73
150	200	35	285	240	212	8	22	25.54
200	200	35	340	295	268	12	22	33.40

Pressure-Loss Diagram (for Natural Gas):

Druck-Verlust-Diagramm für Erdgas Pressure-loss-diagram for natural gas



Item Number:

Type	Seal	Connection	Size
TA12	**02 – DVGW Gas**	**00 – Flange**	05 – DN25
			06 – DN32
			07 – DN40
			08 – DN50
			09 – DN65
			10 – DN80
			11 – DN100
			12 – DN125
			13 – DN150
			14 – DN200

Example No. TA12020008:

TA12	**02**	**00**	**08**

Flanged thermal shut-off device
Seal: DVGW gas
Connection: Flange
Size: DN50

Image for illustrative purposes only; subject to technical and dimensional changes.