

Flanged ball valve with integrated thermal shut-off device TYPE TA01



Description:

Ductile iron ball valve featuring an integrated shut-off mechanism 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
- LABS-compliant according to VDMA 24364
- Silicone-free
- Fire-Safe design
- Blowout-proof control stem
- Floating ball
- Mounting flange per DIN ISO 5211
- Classified as PED Category 3, PED 2014-68-EU
- Chambered seal
- Observe flow direction

Connection:

DN25, DN32, DN40, DN50, DN65, DN80, DN100, DN125, DN150

Design:

Full bore

Pressure

MOP5

Type:

Full-bore with two-piece body

Body material:

Ductile iron 5.3103

Flange material:

Ductile iron 5.3103

Ball material:

Stainless steel 1.4301 / AISI 304

Ball seal:

PTFE

Lever handle:

Aluminum, yellow

Face-to-face length:

DIN EN 558-R14

Flange connection:

According to DIN EN 1092-2 PN16*

Temperature:

-20°C to +60°C

Ambient temperature:

≤ 60°C

Thermal load capacity:

≤ 650°C

Activation temperature:

< 95°C ±5K

Activation time:

< 60 s

Pressure rating:

MOP5

approval:

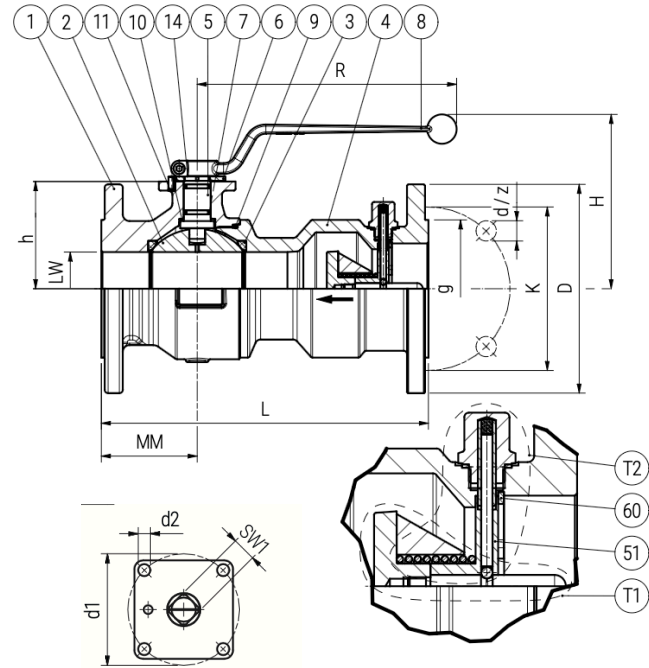
DVGW Gas Approval in accordance with DIN 3586

DVGW approval in accordance with the Gas Appliance Regulation GAR EU-2016-426

*Please note that the maximum operating pressure for this TAE ball valve is 5 bar (MOP5)

Materials:

No.	Designation	Material
1	Body	Ductile iron 5.3103
2	Ball	Stainless steel 1.4301 / AISI 304
3	Ball seal	PTFE
4	Flange	Ductile iron 5.3103
5	Stem	Stainless Steel 1.4104 / AISI 430F
6	Stop washer	Galvanized steel
7	Stem seal	FKM
8	Handle	Aluminum, yellow
9	Body seal	FKM
10	Thrust washer	Polyamide
11	Stop pin	Galvanized steel
14	Spring washer	Spring steel 1.4310
51	Star	Galvanized steel 1.0715
60	Retaining ring	Spring steel
T1	Closing body	BG1
T2	Trigger elements	BG2



Dimensions:

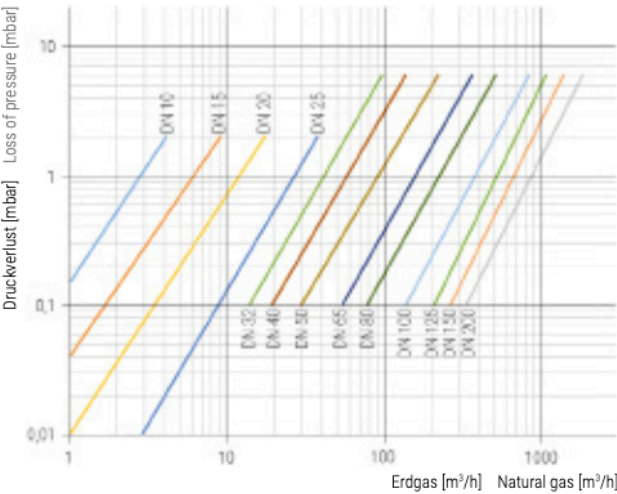
DN	LW	L	MM	R	H	h	D	K	g	z	d	SW1	M	d1	d2	Weight (kg)
25	25	160	62.5	165	114	60	115	85	68	4	14	11	F05	50	6.6	3.90
32	32	180	65	165	125	71	140	100	78	4	18	11	F05	50	6.6	5.60
40	40	200	70	185	135.5	77	150	110	88	4	18	14	F05	50	6.6	7.06
50	50	230	75	185	142.5	85	165	125	102	4	18	14	F05	50	6.6	9.40
65	65	290	85	230	158	95	185	145	122	4	18	17	F07	70	9	16.00
80	80	310	90.5	360	185.5	103.5	200	160	136	8	18	22	F07	70	9	20.70
100	100	350	92	360	202.5	120	220	180	158	8	18	22	F10	102	11	30.00
125	125	400	98	360	223	139	250	210	188	8	18	22	F10	102	11	43.70
150	142	480	100	556	230	158	285	240	212	8	22	27	F10	102	11	68.00

Breakaway torques:

DN	Breakaway torque Nm
25	8
32	16
40	18
50	25
65	50
80	90
100	100
125	120
150	200

Pressure-Loss Diagram (for Natural Gas):

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



Item number:

Type	Seal	Connection	Size
TA01	02 – DVGW gas	00 – Flange	05 – DN25 06 – DN32 07 – DN40 08 – DN50 09 – DN65 10 – DN80 11 – DN100 12 – DN125 13 – DN150

Example No. TA01020005:

TA01	02	00	05
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Flanged ball valve with integrated thermal shut-off device made of ductile iron with a ball made of 1.4301 stainless steel
Seal: DVGW gas
Connection: Flange
Size: DN25

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