



- FIREBAG® is a DIN 3586 DVGW certified passive safety device manufactured by TECO since 1995.
- It blocks the gas flow automatically when the ambient temperature reaches 100 °C (in the event of fire).
- When in the tripped position under thermal stress (high-temperature resistance HTB 925 °C for 60'), it

prevents explosions due to gas coming out of the system.

- Available as a single fitting or, thanks to its compactness, as a device built into the valves does not require maintenance.
- It must be installed near naked flames or where fires are most likely to start.

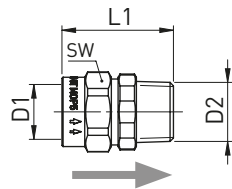
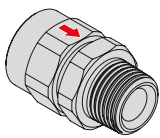
TECHNICAL SPECIFICATIONS

Reference standards	Pressure	Working temperature	FIREBAG® trip temperature	High temperature resistance	Application	Material	
						Body	Cartridge
DIN 3586 - DIN EN 1092-1 2014/68/UE directive EU Regulation 2016/426	MOP 5 (5 bar)	-20 °C + 60 °C	100 °C - 5K	HTB 925 °C for 60' (GT5 DIN 3586)	For all types of gas as specified in EN 437 and DVGW G260/1 (Methane, Butane, Propane)	Zink plated Steel	Thermo sensitive alloy

VERSIONS AND CODES

FIREBAG® fitting female/male threaded version DN15 / DN20 / DN25

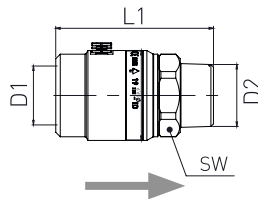
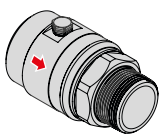
MOP 5 | -20 °C +60 °C | Trip temp. 100 °C - 5K | HTB 650 °C for 30' (GT5 DIN 3586)



Code	DN	FIREBAG® TAE	D1	D2	L1	SW	Pack
TASK100FM1	15	•	Rp1/2"	R1/2"	46	27	60
TASK200FM1	20	•	Rp3/4"	R3/4"	49	32	50
TASK300FM1	25	•	Rp1"	R1"	56	41	25

FIREBAG® fitting female/male threaded version DN32 / DN40 / DN50

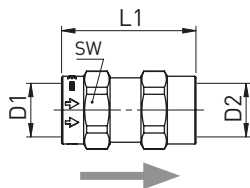
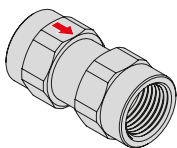
MOP 5 | -20 °C +60 °C | Trip temp. 100 °C - 5K | HTB 650 °C for 30' (GT5 DIN 3586)



Code	DN	FIREBAG® TAE	D1	D2	L1	SW	Pack
TASK400FM1	32	•	Rp1"1/4	R1"1/4	100	50	6
TASK500FM1	40	•	Rp1"1/2	R"1/2	100	60	6
TASK600FM1	50	•	Rp2"	R2"	125	70	6

FIREBAG® fitting female/female threaded version DN15 / DN20 / DN25

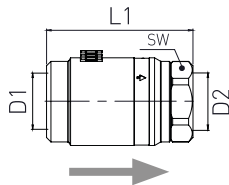
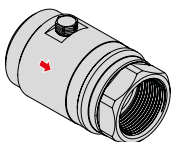
MOP 5 | -20 °C +60 °C | Trip temp. 100 °C - 5K | HTB 650 °C for 30' (GT5 DIN 3586)



Code	DN	FIREBAG® TAE	D1	D2	L1	SW	Pack
TASK100FF1	15	•	Rp1/2"	Rp1/2"	55	27	60
TASK200FF1	20	•	Rp3/4"	Rp3/4"	61	32	30
TASK300FF1	25	•	Rp1"	Rp1"	69	41	20

FIREBAG® fitting female/female threaded version DN32 / DN40 / DN50

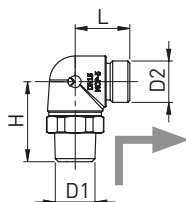
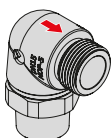
MOP 5 | -20 °C +60 °C | Trip temp. 100 °C - 5K | HTB 650 °C for 30' (GT5 DIN 3586)



Code	DN	FIREBAG® TAE	D1	D2	L1	SW	Pack
TASK400FF1	32	•	Rp1"1/4	Rp1"1/4	100	50	6
TASK500FF1	40	•	Rp1"1/2	Rp1"1/2	100	60	6
TASK600FF1	50	•	Rp2"	Rp2"	118	70	6

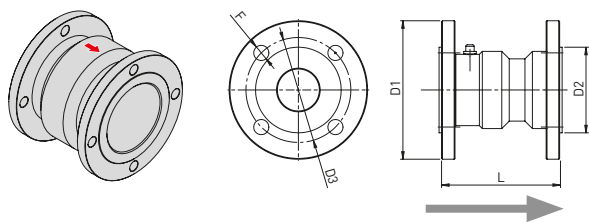
FIREBAG® fitting 90° male/male threaded version

Trip temp. 100 °C - 5K | HTB 925 °C for 60' (GT5 DIN 3586)



Code	DN	FIREBAG® TAE	D1	D2	L	H	SW	Pack
RT406C00	15	•	R1/2"	G1/2"	40	28	27	10

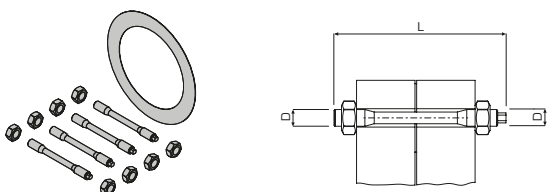
FIREBAG® fitting flanged version DIN EN 1092-1
 Trip temp. 100 °C - 5K | HTB 650 °C for 30' (GT16 DIN EN 13774)



 The HTB GT16 650°C seal is only guaranteed for 30' if the MS2 assembly kit is used.

Code	DN	FIREBAG TAE	D1	D2	D3	F	L	HOLES	Pack
TASF02500	25	•	115	68	85	14	80	4	1
TASF03200	32	•	140	80	100	18	90	4	1
TASF04000	40	•	150	90	110	18	90	4	1
TASF05000	50	•	165	105	125	18	110	4	1
TASF06500	65	•	185	125	145	18	125	4	1
TASF08000	80	•	200	140	160	18	125	8	1
TASF10000	100	•	220	160	180	18	175	8	1
TASF12500	125	•	250	190	210	18	175	8	1
TASF15000	150	•	285	216	240	22	200	8	1
TASF20000	200	•	340	271	295	22	200	12	1

MS2 flange assembly kit
 HTB 650 °C for 30' (GT16)

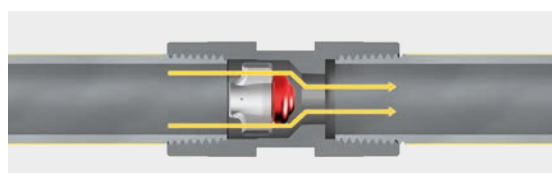


Code	DN
MS2025	25
MS2032	32
MS2040	40
MS2050	50
MS2065	65

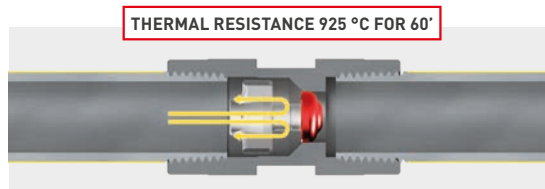
Code	DN
MS2080	80
MS2100	100
MS2125	125
MS2150	150

FUNCTION AND INTEGRATED TECHNOLOGIES

FIREBAG® is composed of an external steel body and an internal thermosensitive device. When the external temperature reaches 100 °C - 5K, the metal alloy that holds the cut-off to the cartridge melts, and the compression force of the spring pushes the cut-off against the gas flow orifice, closing it completely.



Inactive T < 95 °C

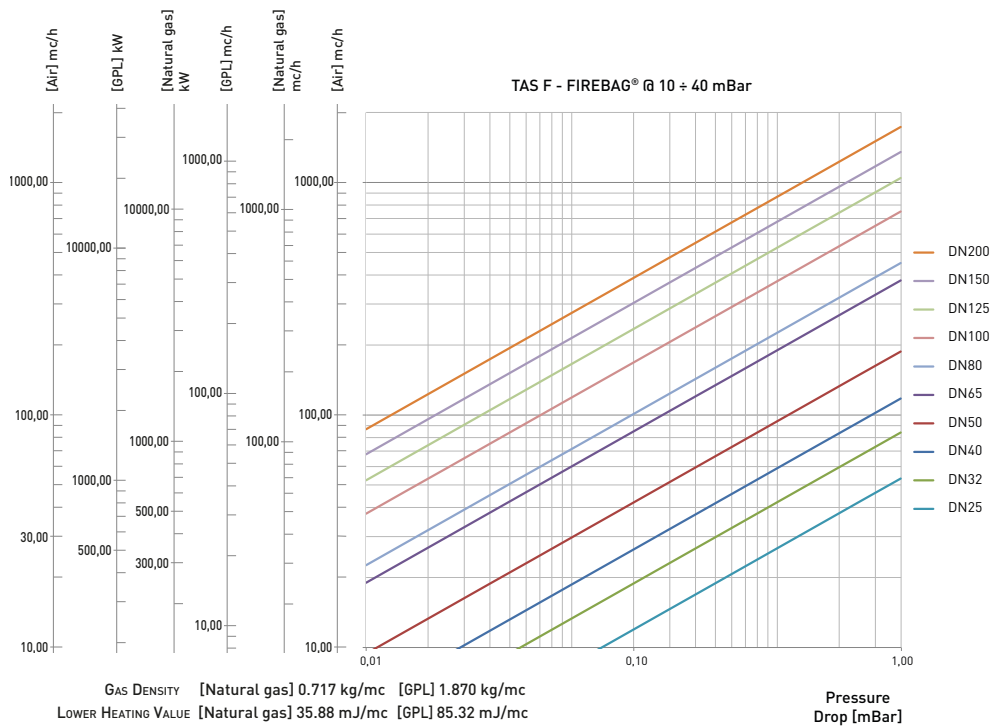
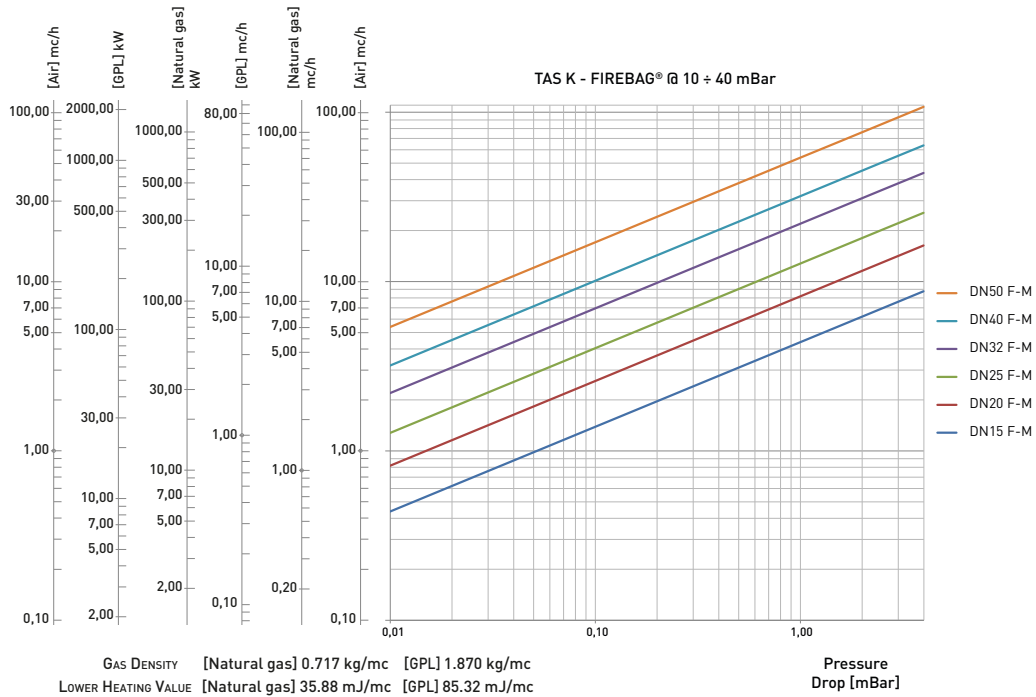


Thermally activated T > 100 °C

FIREBAG® can withstand a temperature of 925 °C for 60'. Laboratory tests simulating a fire show that the temperature already exceeds 650 °C after 15' (see picture), which is the minimum limit specified in the DIN 3586 standard.

FIREBAG® performance is significantly higher than required by the standard.

PRESSURE DROP DIAGRAM



ITEM SPECIFICATIONS

FIREBAG®: Thermally activated safety device

FIREBAG® is a DIN 3586 DVGW certified passive safety device.

It blocks the gas flow automatically when the ambient temperature reaches 100 °C - 5K.

High-temperature resistance HTB 925 °C for 60', with minimum permissible leakage of 15 l/h (EN1775) threaded (MOP5) or flanged (MOP16) single fitting connections.

Also available as a device built into the valves does not require maintenance.

For all types of gas in accordance with EN 437 and DWG G260/1 (Methane, Propane and Butane).

MOP 5 / MOP16.

Working temperature -20 °C + 60 °C.



TECO Srl
Via Sandro Pertini, 39/41 - Zona industriale Noccole, 25050 Provaglio d'Iseo (BS)

+39 030 6850510 | +39 030 6850555
info@tecosrl.it | www.tecosrl.it

