FIREBAG®

THERMALLY ACTIVATED SAFETY DEVICE



- 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.

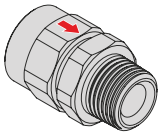
TECHNICAL SPECIFICATIONS

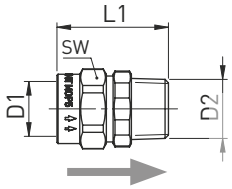
Reference standards	Pressure	Working temperature	FIREBAG® trip temperature	High temperature resistance	Application	Material	
						Body	Cartridge
DIN 3586 - DIN EN 1092-1 2014/68/UE directive EU Regulation 2016/426	MOP 5 (5 bar)	-20 °C + 60 °C	100 °C - 5K	HTB 925 °C for 60' (GT5 DIN 3586)	For all types 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)

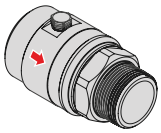


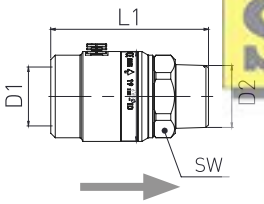


Code	DN	FIREBAG TAE	D1	D2	L1	SW	Pack
TASK100FM1	15	•	Rp1/2"	R1/2"	46	27	60
TASK200FM1	20	•	Rp3/4"	R3/4"	49	32	50
TASK300FM1	25	•	Rp1"	R1"	56	41	25

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)

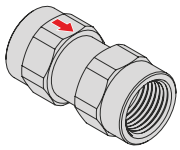


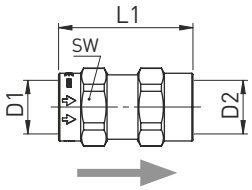


Code	DN	FIREBAG TAE	D1	D2	L1	SW	Pack
TASK400FM1	32	•	Rp1"1/4	R1"1/4	100	50	6
TASK500FM1	40	•	Rp1"1/2	R"1/2	100	60	6
TASK600FM1	50	•	Rp2"	R2"	125	70	6

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)

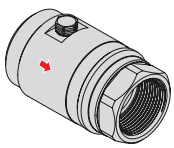


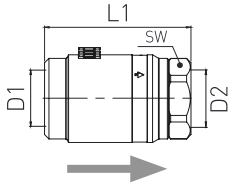


Code	DN	FIREBAG TAE	D1	D2	L1	SW	Pack
TASK100FF1	15	•	Rp1/2"	Rp1/2"	55	27	60
TASK200FF1	20	•	Rp3/4"	Rp3/4"	61	32	30
TASK300FF1	25	•	Rp1"	Rp1"	69	41	20

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)

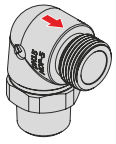


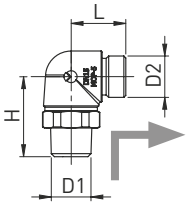


Code	DN	FIREBAG TAE	D1	D2	L1	SW	Pack
TASK400FF1	32	•	Rp1"1/4	Rp1"1/4	100	50	6
TASK500FF1	40	•	Rp1"1/2	Rp1"1/2	100	60	6
TASK600FF1	50	•	Rp2"	Rp2"	118	70	6

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

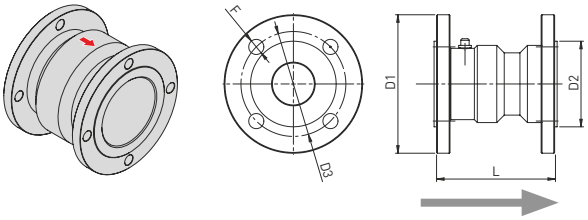
S.I.M.E. A.E.

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FIREBAG® fitting flanged version DIN EN 1092-1

Trip temp. 100 °C - 5K | HTB 650 °C for 30' (GT16 DIN EN 13774)

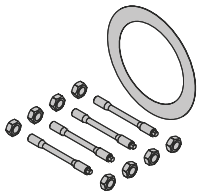


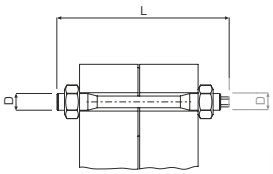
Code	DN	FIREBAG® TAE	D1	D2	D3	F	L	HOLES	Pack
TASF02500	25	•	115	68	85	14	80	4	1
TASF03200	32	•	140	80	100	18	90	4	1
TASF04000	40	•	150	90	110	18	90	4	1
TASF05000	50	•	165	105	125	18	110	4	1
TASF06500	65	•	185	125	145	18	125	4	1
TASF08000	80	•	200	140	160	18	125	8	1
TASF10000	100	•	220	160	180	18	175	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

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

MS2 flange assembly kit

HTB 650 °C for 30' (GT16)





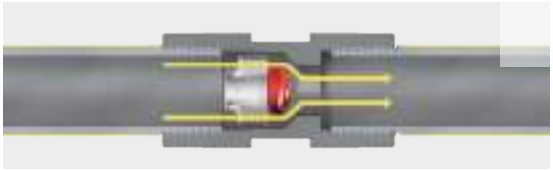
Code	DN
MS2025	25
MS2032	32
MS2040	40
MS2050	50
MS2065	65

Code	DN
MS2080	80
MS2100	100
MS2125	125
MS2150	150

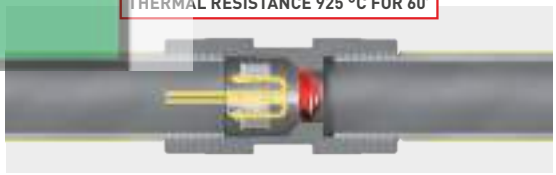
S.I.M.E

FUNCTION AND INTEGRATED TECHNOLOGIES

FIREBAG® is composed of an external steel body and an internalthermosensitive 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**

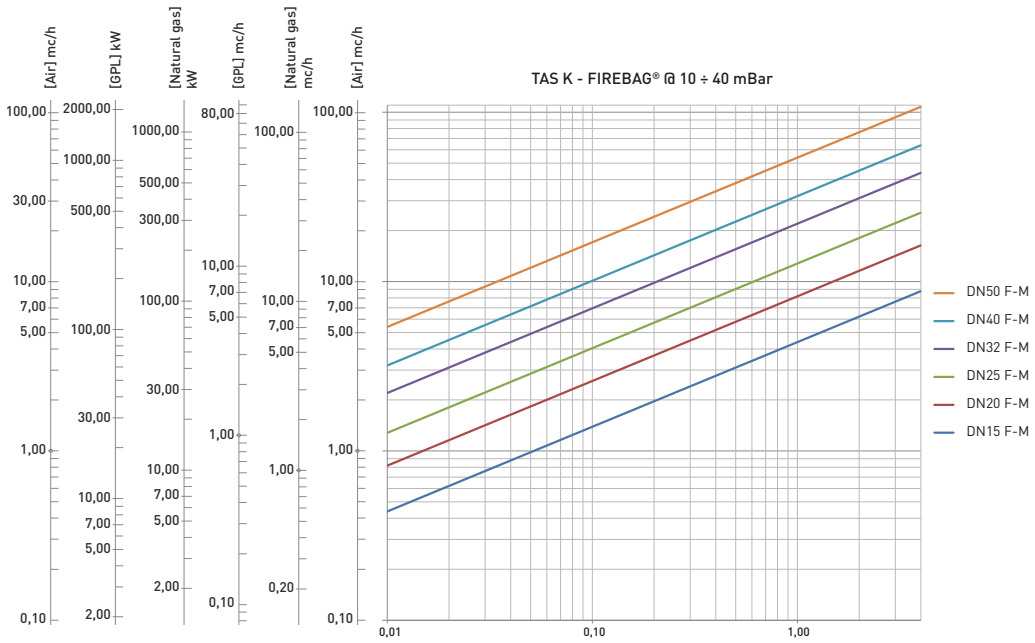
FIREBAG® can withstand a temperature of **925 °C for 60'**. Laboratory tests simulating a fire show that the temperature already exceeds 650 °C after 15' (see picture), which is the minimum limit specified in the **DIN 3586** standard.

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

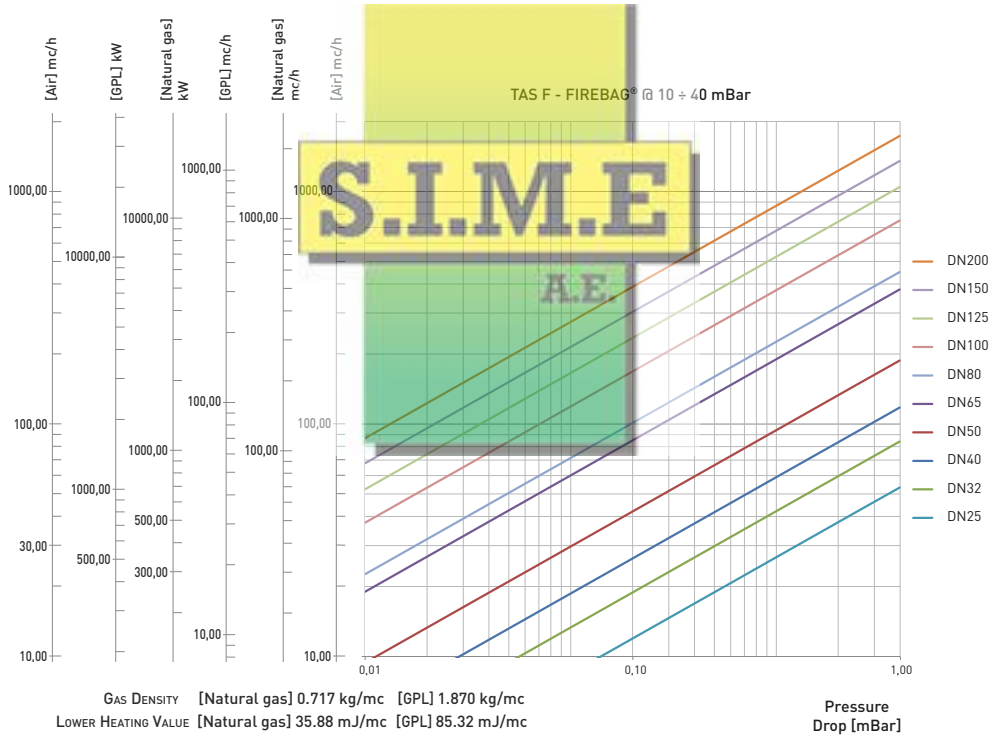
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TECO® INNOVATING SAFETY

PRESSURE DROP DIAGRAM



Gas Density [Natural gas] 0.717 kg/mc [GPL] 1.870 kg/mc
Lower Heating Value [Natural gas] 35.88 mJ/mc [GPL] 85.32 mJ/mc



Gas Density [Natural gas] 0.717 kg/mc [GPL] 1.870 kg/mc
Lower Heating Value [Natural gas] 35.88 mJ/mc [GPL] 85.32 mJ/mc

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.

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