

EBBOS ChZ (chemical igniter)

APPLICATION AND CONSTRUCTION:

Pyrotechnic Igniter for the determination of the explosive character of dust, gas and hybrid mixtures.

The pyrotechnic charge is in a plastic shell, which is placed in an aluminum casing.

The colour of the caps identifies the energy of the EBBOS ChZ see list below.

The EBBOS ChZ is ignited with a fusehead from either the category class 1 (A), class 2 (U) or class 4 (HU).

The stripped ends are shorted.

The short circuit should be removed only directly before connecting with the test installation.



TERMS OF USE

Use only for the determination of the explosive characters of dust, gas and hybrid mixtures in an approved Pressure vessel.

Use only up to the expiry date

Used only by people over the age of 18 years

Please keep a safety distance of >1m

CONDITIONS OF USE AND TANSPORT

Temperatur: -25°C - 50°C

STORAGE

Temperatur: 0 °C bis 50 °C

Duration of storage: 2 years in Original packaging

Always observe all regulations of storage (Federal, Provincial, State, Municipal and Local)

DISPOSAL

Disposal or destruction of explosives and detonators must be carried out in accordance with national regulations for handling / disposal of explosives.

ENERGIE OF THE EBBOS CHZ

Casing Length 25 mm:	100 Joule	colour coding: natural	2000 Joule	colour coding: blue
	250 Joule	colour coding: white	2500 Joule	colour coding: yellow
	500 Joule	colour coding: grey	5000 Joule	colour coding: green
	1000 Joule	colour coding: red		
Casing Length 29 mm:	10000 Joule	colour coding: black		
Casing Length 50 mm:	20000 Joule	colour coding: black		

Igniter class 1 (So-7A) (colour of the wire: red/white)

Fuse head resistance	1.00	up to	2.00 Ohm
Total resistance/iron wire	1.10	up to	2.20 Ohm (wire length 20 cm)
No-Fire current / No-Fire impulse	= 0.18 A / 0.8 mJ/Ω		
All-Fire current / All-Fire impulse	= 0.6 A / 3.0 mJ/Ω		
Series firing: 5 igniters	= 0.8 A		

With fuse head Class 2 (So-10U) (colour of the wire: yellow/white)

Fuse head resistance	0.4	up to	0.8 Ohm
Total resistance/iron wire	0.5	up to	1.0 Ohm (wire length 20 cm)
No-Fire current / No-Fire impulse	= 0.45 A / 8 mJ/Ω		
All-Fire current / All-Fire impulse	= 1.3 A / 16 mJ/Ω		
Series firing: 5 igniters	= 1.5 A		

With fuse head Class 4 (So-12HU) (colour of the wire: blue/white):

Fuse head resistance	0.03	up to	0.04 Ohm
Total resistance/copper wire	0.04	up to	0.05 Ohm (wire length 20 cm)
No-Fire current / No-Fire impulse	= 4.0 A / 1100 mJ/Ω		
All-Fire current / All-Fire impulse	= 13 A / 2500 mJ/Ω		
Series firing: 5 igniters	= 25 A		

EC Type-Examination and Classification

EC Type-Examination	
Certificate no.:	0589.PYR.4566/11
Registration number:	0589-P1-0618
UN number:	0454
Proper shipping name:	Igniters
Shipping classification:	1.4S
Division:	1.4