

EYS Vertical sealing fittings

EYS series sealing fittings prevent the passage of gas, vapours or flames through the pipe system in the electrical installation.

They are used for vertical mounting and available in two different shapes, the first for dimensions less than 1", and the second up to 3" with an additional lateral opening for an easy introduction of the fiber. The sealing fittings must be installed as close as possible to the Ex d junction box and in accordance with the standard EN60079-1. They must be filled only with CRV420 resin that has to be requested in the amount indicated in the table. It is not allowed the use of other types of sealing compound.

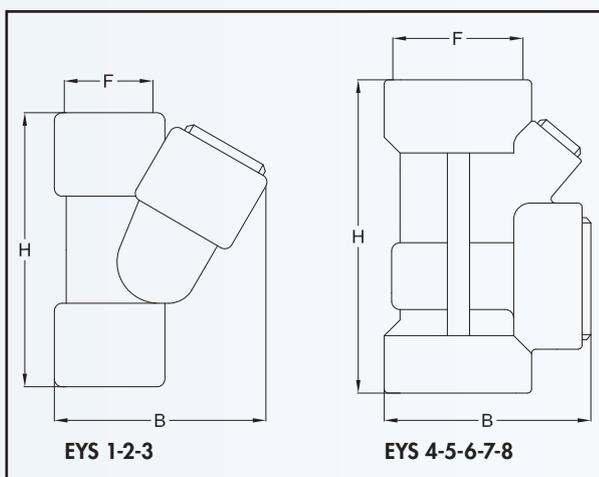


Classification: 2014/34/UE	Group II	Category 2GD
Installation: EN 60079.14	zone 1 - zone 2 (Gas)	zone 21 - zone 22 (Dust)
Marking:	CE 0722 Ex II 2 GD Ex db IIC Gb Ex tb IIIC Db IP66	
Certification:	ATEX	CESI 03 ATEX 085X
	IECEX	IECEX CES 14.0019X
	TR CU	AVAILABLE
	CCoE	AVAILABLE

All IEC Ex, TR CU, CCoE certification data contact comm@antideflagrantiqce.com

Standards:	CENELEC EN 60079-0: 2012, EN 60079-1: 2014, EN 60079-31: 2014 and EUROPEAN DIRECTIVE 2014/34/UE IEC60079-0: 2011, IEC60079-1: 2015-06, IEC60079-31: 2013 Directive RoHS 2002/95/CE
Ambient Temp. (EYS):	-20°C +100°C
Operating temperature:	-20°C +100°C
Degree of protection:	IP66

Certificates are available on comm@antideflagrantiqce.com



SELECTION TABLE OF EYS VERTICAL SEALING FITTINGS

Code In aluminium	Thread	Dimensions in mm		Amount of resin gr	Weight Kg
		F	H		
EYS1	1/2" ISO 7/1	77	56	35	0,097
EYS2	3/4" ISO 7/1	87	66	50	0,147
EYS3	1" ISO 7/1	105	82	100	0,242
EYS4	1 1/4" ISO 7/1	145	84	240	0,576
EYS5	1 1/2" ISO 7/1	145	84	240	0,528
EYS6	2" ISO 7/1	150	95	380	0,643
EYS7	2 1/2" ISO 7/1	200	134	1250	1,580
EYS8	3" ISO 7/1	200	134	1250	1,480

TECHNICAL NOTES:

- Available also with NPT thread (example code EYS2N)
- Available upon request in stainless steel. Contact our Sales Office for availability.

EYD series sealing fittings are equipped with ECD valve to drain the possible condensation inside the conduits. They are used for vertical mounting and available in two different shapes, the first for dimensions less than 1", and the second up to 3" with an additional lateral opening for easy introduction of the fiber. The sealing fittings have to be installed as close as possible to the Ex d junction box and in accordance with the standard EN60079-1. They must be filled only with CRV420 resin that has to be requested in the amount indicated in the table. It is not allowed the use of other types of sealing compound.



Classification: 2014/34/UE	Group II	Category 2G
Installation: EN 60079.14	zone 1 - zone 2 (Gas)	
Marking:	CE 0722 Ex II 2 G Ex d IIC Gb	
Certification	ATEX	CESI 03 ATEX 085X
	IECEX	IECEX CES 14.0019X
	TR CU	AVAILABLE
	CCoE	AVAILABLE

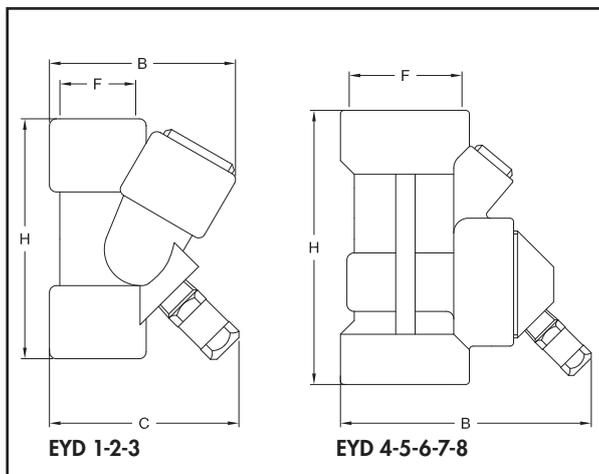
All IEC Ex, TR CU, CCoE certification data contact comm@antideflagranticge.com

Standards:	CENELEC EN 60079-0: 2012, EN 60079-1: 2014, EN 60079-31: 2014 and EUROPEAN DIRECTIVE 2014/34/UE IEC60079-0: 2011, IEC60079-1: 2015-06, IEC60079-31: 2013 Directive RoHS 2002/95/CE
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Ambient Temp. (EYD):	-20°C +60°C
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Operating temperature:	-20°C +100°C
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Certificates are available on comm@antideflagranticge.com



SELECTION TABLE OF EYS VERTICAL SEALING FITTINGS						
Code In aluminium	Thread	Dimensions in mm			Amount of resin gr	Weight Kg
		F	H	B		
EYD1	1/2" ISO 7/1	88	63	67	35	0,280
EYD2	3/4" ISO 7/1	100	72	78	50	0,310
EYD3	1" ISO 7/1	117	85	85	100	0,430
EYD4	1 ¼" ISO 7/1	145	120	120	240	0,720
EYD5	1 ½" ISO 7/1	145	120	120	240	0,600
EYD6	2" ISO 7/1	150	131	131	380	0,820
EYD7	2 ½" ISO 7/1	200	165	165	1250	1,580
EYD8	3" ISO 7/1	200	165	165	1250	1,480

TECHNICAL NOTES:

- Available also with NPT thread (example code EYD2N)
- Available upon request in stainless steel. Contact our Sales Office for availability.



EZS horizontal sealing fittings

EZS series horizontal fittings prevent the passage of gas, vapours or flames through the pipe system in the electrical installation.

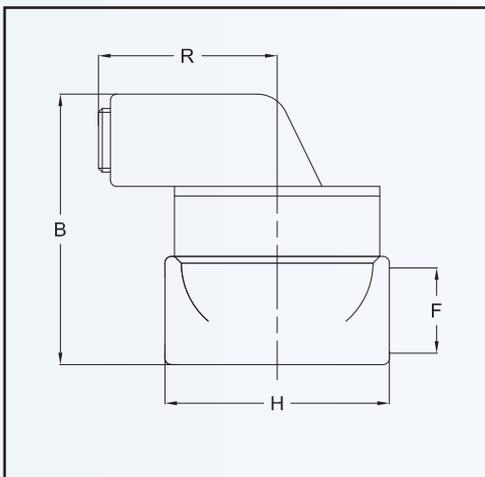
EZS series can be used both for horizontal and vertical mounting. The sealing fittings have to be installed as close as possible to the Ex d junction box and in accordance with the standard EN60079-1. They must be filled only with CRV420 resin that has to be requested in the amount indicated in the table. It is not allowed the use of other types of sealing compound.



Classification: 2014/34/UE	Group II	Category 2GD
Installation: EN 60079.14	zone 1 - zone 2 (Gas)	zone 21 - zone 22 (Dust)
Marking:	CE 0722 Ex II 2 GD Ex db IIC Gb Ex tb IIIC Db IP66	
Certification:	ATEX	CESI 03 ATEX 085X
	IECEX	IECEX CES 14.0019X <small>All IEC Ex and TR CU certification data contact comm@antideflagranticge.com</small>
	TR CU	AVAILABLE

Standards:	CENELEC EN 60079-0: 2012, EN 60079-1: 2014, EN 60079-31: 2014 and EUROPEAN DIRECTIVE 2014/34/UE IEC60079-0: 2011, IEC60079-1: 2015-06, IEC60079-31: 2013 Directive RoHS 2002/95/CE
Ambient Temp. (EZS):	-20°C +100°C
Operating temperature:	-20°C +100°C
Degree of protection:	IP66

Certificates are available on comm@antideflagranticge.com



SELECTION TABLE OF EZS HORIZONTAL SEALING FITTINGS

Code In aluminium	Thread	Dimensions in mm			Amount of resin gr	Weight Kg
		F	H	B		
EZS1	1/2" ISO 7/1	72	83	50	150	0,26
EZS2	3/4" ISO 7/1	72	83	50	140	0,25
EZS3	1" ISO 7/1	74	92	50	140	0,27
EZS4	1 1/4" ISO 7/1	98	110	80	390	0,52
EZS5	1 1/2" ISO 7/1	98	110	80	390	0,48
EZS6	2" ISO 7/1	130	120	80	570	0,70
EZS7	2 1/2" ISO 7/1	142	160	90	1000	1,50
EZS8	3" ISO 7/1	142	160	90	1000	1,74

TECHNICAL NOTES:

- Available also with NPT thread (example code EZS2N)
- Available upon request in stainless steel

Resin-filled sealing fittings and drain valves features

Our resin-filled sealing fittings can be divided into two different categories: sealing fittings and sealing bushing. The sealing fittings prevent gases, vapours or flames from spreading through the system of pipes in the electrical system. Such products can be divided into:

EYS vertical sealing fitting;

EZS horizontal sealing fitting;

EYD vertical sealing fitting complete of drain valve to breath a possible condensation developed inside the pipes;

The multicable sealing bushings are suitable to be assembled on junction boxes, electrical motors, panel boards and other electrical devices built in accordance to the Ex d IIC method of protection.

The standard sealing bushings are:

TP threaded sealing bushing;

CP sealing bushing with cylindrical joint;

NPS sealing nipple.

The **ECD** drain and breather valves are used both on our EYD and EZD series sealing fittings and in any type of equipment for draining the inner condensation or for breathing out possible inner vapours.

CRV420 sealing compound

Two-component polyurethan resin for sealing bushing and sealing fittings

CRV 420 resin is an exclusive Elfit product. Its chemical composition has been improved after countless sealing tests, made in collaboration with CESI laboratory. CRV 420 resin has been certified along with the sealing fittings type EYS and EZS, so they need to be sold together and never separated. Sealings have to be made perfectly, in order to block the passage of gases, vapours or flames through pipes systems.

 Ambient Temp.:

-20°C +100°C



Quantity of resin for each sealing fitting		
Dimensions	EYS/EYD quantity of resin	EZS/EZD quantity of resin
1/2"	35 g	140 g
3/4"	50 g	140 g
1"	100 g	140 g
1 1/4"	240 g	390 g
1 1/2"	240 g	390 g
2"	380 g	570 g
2 1/2"	1250 g	1000 g
3"	1250 g	1000 g

SELECTION TABLE OF RESIN PACKAGE

Code	Component A	Component B
CRV420/100	100 g	20 g
CRV420/300	300 g	60 g
CRV420/400	400 g	80 g
CRV420/1000	1000 g	200 g

For further details about the resin compound preparation and safety information, look the instructions supplied with CRV420 resin.

PREPARATION OF THE RESIN COMPOUND

Characteristics

Polyuretan black resin (after mixing the two components)
 Hardening time: around 4 hours
 Cathalizing time: 24 hours
 Code: CRV 420

RESIN (Component A)

- Black compound
- Code: CRV420H71
- Mixing ratio: 100%

CATALYST AGENT (Component B)

- Brown compound
- Code: CRV420H72
- Mixing ratio: 25%

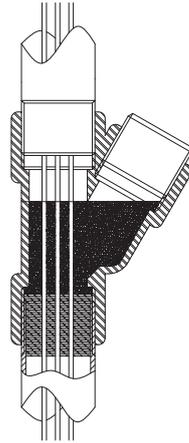
Ratio of compounds to be mixed

Ratio 100g (Compound A) with 20g (Compound B)
 when ready to be used

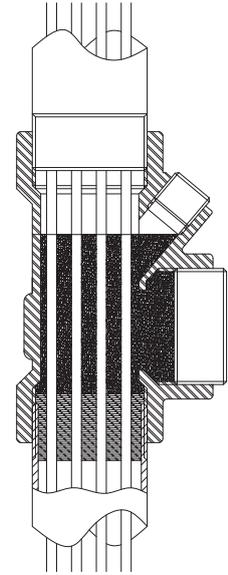
Time of use for the mixed up compound

- Ambient temperature equal to 20°C within 30 minutes from the mixing
- Ambient temperature of 15°C within 45 minutes from the mixing

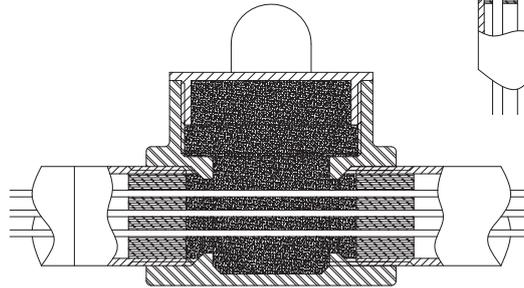
EYS - EYD



EYS - EYD



EZS



FV... glass fiber

The glass fiber is inserted within sealing fittings to avoid that the sealing resin runs into the underlying connection pipe.



SELECTION TABLE OF GLASS FIBER

Code	Weight
FV-1	250 g
FV-5	500 g
FV-10	1000 g

