

# EYS-EZS-EZD-RMF-RFF

Sealing fittings and three pieces union



Installation

Hazardous areas – Zone 1 / 2 (Gases) – Zone 21 / 22 (Dusts)

Classification

Group II – Category 2G 2D

Reference standards

| Directive 2014/34/EU            |                                                                                                                                                                                                                                                                                |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Execution                       | II 2 G Ex d IIC Gb<br>II 2 D Ex tb IIIC Db                                                                                                                                                                                                                                     |
| Rules of compliance             | EN/IEC 60079-0;<br>EN/IEC 60079-1;<br>EN/IEC 61241-0;<br>EN/IEC 61241-1                                                                                                                                                                                                        |
| EU type-examination certificate | ICEPI 11 ATEX 03C002 (sealing fittings)<br>INERIS 12 ATEX 0069X (three pieces union)                                                                                                                                                                                           |
| Protection degree               | IP66 (sealing fittings)<br>IP66/IP67 (three pieces union)                                                                                                                                                                                                                      |
| Ambient temperature             | -20 °C ÷ +60 °C                                                                                                                                                                                                                                                                |
| Other available certificates    | IECEX: IECEX INE 12.0051X (three pieces union)<br>INMETRO: CEPEL 13.2243X (three pieces union)<br>EAC: TC RU C-IT.BH02.B.00587 (-60 °C ÷ +80 °C)<br>Russian marine certificate (RMRS): 19.02521.280<br>UL NEC-505: 20131102-E465038 (three pieces union)<br>CCOE-PESO: P420533 |

Sealing fittings – Mechanical characteristics

|          |                                               |
|----------|-----------------------------------------------|
| Material | Marine grade copper free aluminum light alloy |
|----------|-----------------------------------------------|

Three piece unions – Mechanical characteristics

|          |                     |
|----------|---------------------|
| Material | Galvanized steel    |
| Gasket   | Silicon rubber EPDM |

On Request Accessories

- Different threads from standard
- Different materials from standard

## Technical Features

### Sealing compound table

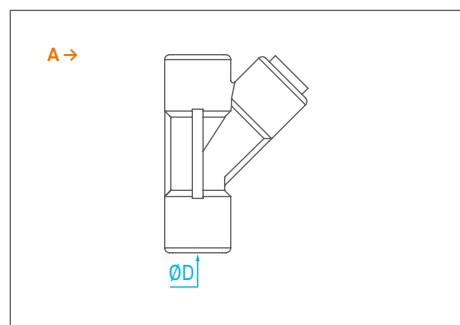
| Detail "A" | Detail "B" | Detail "C" | ØD Hubs<br>(EN 10226-2 OR NPT) | Size | EYS<br>Quantity [gr] | EZS – EZD<br>Quantity [gr] |
|------------|------------|------------|--------------------------------|------|----------------------|----------------------------|
| Type       | Type       | Type       |                                |      |                      |                            |
| EYS1       | EZS1       | EZD1       | 1/2"                           | 1    | 35                   | 140                        |
| EYS2       | EZS2       | EZD2       | 3/4"                           | 2    | 50                   | 140                        |
| EYS3       | EZS3       | EZD3       | 1"                             | 3    | 100                  | 140                        |
| –          | EZS5       | EZD5       | 1-1/2"                         | 5    | –                    | 390                        |
| –          | EZS6       | EZD6       | 2"                             | 6    | –                    | 570                        |
| –          | EZS7       | EZD7       | 2-1/2"                         | 7    | –                    | 1000                       |
| –          | EZS8       | EZD8       | 3"                             | 8    | –                    | 1000                       |

Sealing fittings to be sealed by means of CRV-420 bi-component sealing compound please refer to sealing table for quantities.

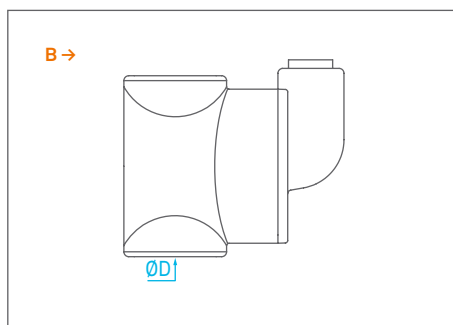
### Three pieces union – Technical Features

| Three piece union male/female ex d IIC |        |        | Three piece union male/male ex d IIC |        |        | Three piece union female/female ex d IIC |        |        |
|----------------------------------------|--------|--------|--------------------------------------|--------|--------|------------------------------------------|--------|--------|
| Type                                   | ØD     | Detail | Type                                 | ØD     | Detail | Type                                     | ØD     | Detail |
| RMF1                                   | 1/2"   | D      | RMM1                                 | 1/2"   | D      | RFF1                                     | 1/2"   | E      |
| RMF2                                   | 3/4"   | D      | RMM2                                 | 3/4"   | D      | RFF2                                     | 3/4"   | E      |
| RMF3                                   | 1"     | D      | RMM3                                 | 1"     | D      | RFF3                                     | 1"     | E      |
| RMF4                                   | 1-1/4" | D      | RMM4                                 | 1-1/4" | D      | RFF4                                     | 1-1/4" | E      |
| RMF5                                   | 1-1/2" | D      | RMM5                                 | 1-1/2" | D      | RFF5                                     | 1-1/2" | E      |
| RMF6                                   | 2"     | D      | RMM6                                 | 2"     | D      | RFF6                                     | 2"     | E      |
| RMF7                                   | 2-1/2" | D      | RMM7                                 | 2-1/2" | D      | RFF7                                     | 2-1/2" | E      |
| RMF8                                   | 3"     | D      | RMM8                                 | 3"     | D      | RFF8                                     | 3"     | E      |

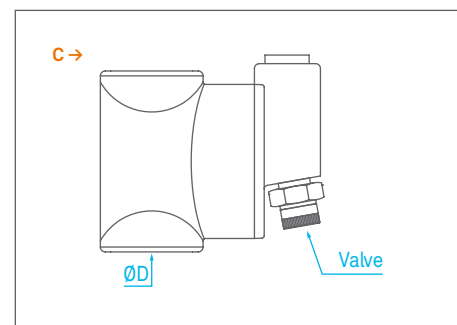
### EYS



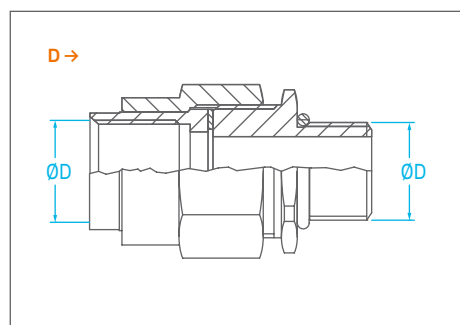
### EZS



### EZD



### RMF



### RFF

