



**Installation:** hazardous areas - Zone 1 / 2 (Gases) - Zone 21 / 22 (Dusts)

**Classification:** Group II - Category 2G 2D



## REFERENCE STANDARDS

### Directive 2014/34/EU

|                                 |                                                                                                                                                                                                                                                                               |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EXECUTION                       | <ul style="list-style-type: none"> <li>II 2 G Ex d IIC Gb</li> <li>II 2 D Ex tb IIIC Db</li> </ul>                                                                                                                                                                            |
| RULES OF COMPLIANCE             | EN/IEC 60079-0; EN/IEC 60079-1; EN/IEC 61241-0; EN/IEC 61241-1                                                                                                                                                                                                                |
| EC 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    | <p>IECEx: IECEx INE 12.0051X (three pieces union)</p> <p>INMETRO: CEPEL 13.2243U (three pieces union)</p> <p>EAC: TC RU C-IT.BH02.B.00587 (-60°C ÷ +80°C)</p> <p>RUSSIAN MARINE CERTIFICATE (RMRS): 19.02521.280</p> <p>UL NEC-505: 20131204-E465038 (three pieces union)</p> |

## 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

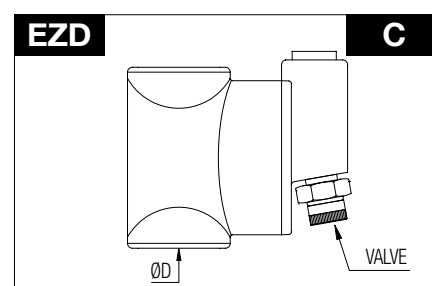
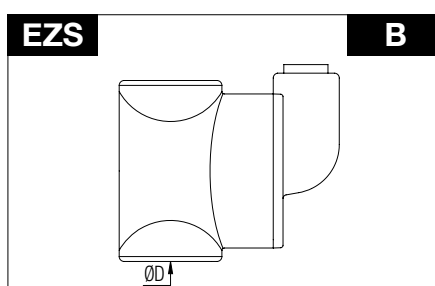
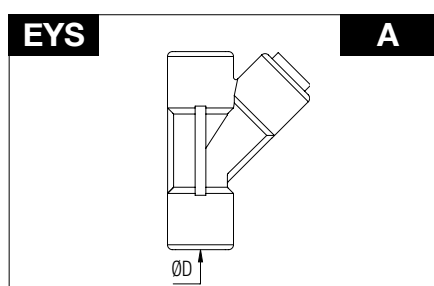
## Technical Features

| DETAIL "A" | DETAIL "B" | DETAIL "C" | ØD HUBS<br>(UN16125 OR NPT) |
|------------|------------|------------|-----------------------------|
| TYPE       | TYPE       | TYPE       |                             |
| EYS1       | EZS1       | EZD1       | 1/2"                        |
| EYS2       | EZS2       | EZD2       | 3/4"                        |
| EYS3       | EZS3       | EZD3       | 1"                          |
| -          | EZS5       | EZD5       | 1-1/2"                      |
| -          | EZS6       | EZD6       | 2"                          |
| -          | EZS7       | EZD7       | 2-1/2"                      |
| -          | EZS8       | EZD8       | 3"                          |

## Sealing compound table

| SIZE | EYS           | EZS - EZD     |
|------|---------------|---------------|
|      | QUANTITY [gr] | QUANTITY [gr] |
| 1    | 35            | 140           |
| 2    | 50            | 140           |
| 3    | 100           | 140           |
| 5    | -             | 390           |
| 6    | -             | 570           |
| 7    | -             | 1000          |
| 8    | -             | 1000          |

SEALING FITTINGS TO BE SEALED BY MEANS OF CRV-420 BI-COMPONENT SEALING COMPOUND PLEASE REFER TO SEALING TABLE FOR QUANTITIES.

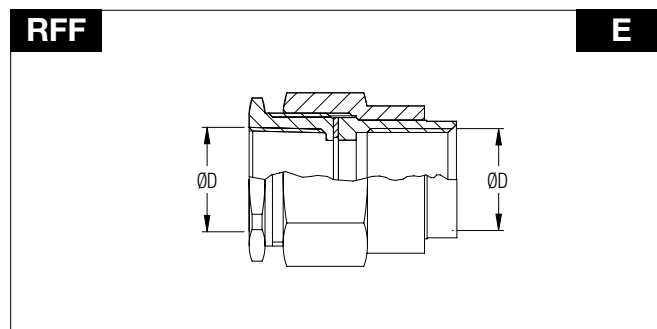
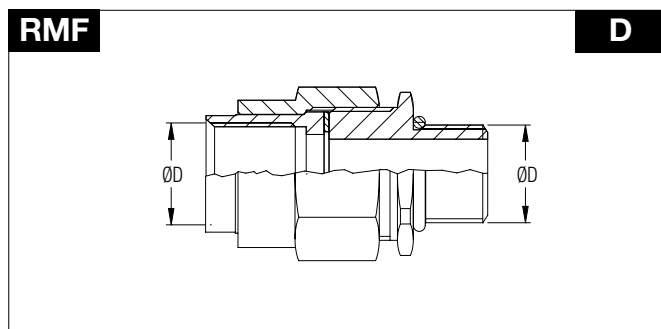


## THREE PIECES UNION - Technical Features

| THREE PIECE UNION MALE/FEMALE Ex d IIC |        |        |
|----------------------------------------|--------|--------|
| TYPE                                   | ØD     | DETAIL |
| RMF1                                   | 1/2"   | D      |
| RMF2                                   | 3/4"   | D      |
| RMF3                                   | 1"     | D      |
| RMF4                                   | 1-1/4" | D      |
| RMF5                                   | 1-1/2" | D      |
| RMF6                                   | 2"     | D      |
| RMF7                                   | 2-1/2" | D      |
| RMF8                                   | 3"     | D      |

| THREE PIECE UNION MALE/MALE Ex d IIC |        |        |
|--------------------------------------|--------|--------|
| TYPE                                 | ØD     | DETAIL |
| RMM1                                 | 1/2"   | D      |
| RMM2                                 | 3/4"   | D      |
| RMM3                                 | 1"     | D      |
| RMM4                                 | 1-1/4" | D      |
| RMM5                                 | 1-1/2" | D      |
| RMM6                                 | 2"     | D      |
| RMM7                                 | 2-1/2" | D      |
| RMM8                                 | 3"     | D      |

| THREE PIECE UNION FEMALE/FEMALE Ex d IIC |        |        |
|------------------------------------------|--------|--------|
| TYPE                                     | ØD     | DETAIL |
| RFF1                                     | 1/2"   | E      |
| RFF2                                     | 3/4"   | E      |
| RFF3                                     | 1"     | E      |
| RFF4                                     | 1-1/4" | E      |
| RFF5                                     | 1-1/2" | E      |
| RFF6                                     | 2"     | E      |
| RFF7                                     | 2-1/2" | E      |
| RFF8                                     | 3"     | E      |



## REMARK:

Due to the development of the national and international specifications and of the technology, the above technical characteristics showed on this bulletin can be considered as binding on our confirmation only.

