



The special versions of the DESPONIA and DESPONI*plus* valves suitable for the use in explosive atmospheres **only outside** the valve are as described below. For applications with explosive atmosphere inside, please choose our butterfly valve type Bianca.

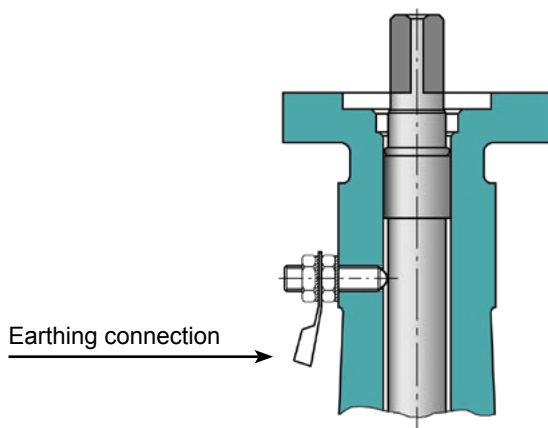
If you need assistance to choose the right version suitable to your specific application, contact our technical department. For this, we absolutely need to know the group and the category of equipment, the atmosphere outside the valve and the kind of fluid and its condition inside the valve.

| Special code | ATEX-marking | Version | Comments |
|----------------------------------|---|--|---------------------------|
| DESPONIA 135 |  II 2GD(o) c IIB X | <ul style="list-style-type: none"> • Earthing connection • Type label with ATEX marking (see left) | Declaration of conformity |
| DESPONI<i>plus</i> 112 |  II 2GD(o) c IIC X | | |

The table below shows where which version of the DESPONIA can be used. The operator of the installation is responsible for the definition of the group and the category of equipment, the atmosphere outside the valve and the kind of fluid and its condition inside the valve.

Application of DESPONIA + DESPONI*plus* versions according to ATEX
Group II, Equipment group II - not for Mining

| | | | Atmosphere around the valve outside | | | |
|-----------------------------|---------------------------------|---|---|---|--|---------------|
| | | | non explosive atmosphere outside | explosive atmosphere max. zone 1/21, gas and dust outside | | |
| Atmosphere inside the valve | non explosive atmosphere inside | Liquid with low conductivity and inflammable liquids | no zone | Standard version without ATEX conformity | DESPONIA Ex II 2GD(o) c IIB X Code 135 DESPONI<i>plus</i> Ex II 2GD(o) c IIC X Code 112 | |
| | | non inflammable dusts | | | | |
| | | Gases; as well inflammable but non explosive mixtures | | | | |
| | explosive atmosphere inside | Gas | Dry and particle free gases respectively gas mixtures | Zone 1 or 2 (not zone 0) | not available | not available |
| | | | | Zone 0 (as well applicable for Zone 1 or 2) | not available | not available |
| | | | Drops (vaporous and mist), vapours of inflammable liquids | Zone 0, 1 or 2 | not available | not available |
| Dust | | | Zone 20, 21 or 22 | not available | not available | |



Example how to order:

DESPONIA
D1 0150.33-2AR.4A.4C0.E-135

DESPONI*plus*
DP1 150.33-2AE.4A.4C0.E-112

Description of keycode see
DESPONIA, DESPONI*plus* documentation



Special versions of the DESPONIA and DESPONIPlus valves may be used in explosive atmospheres when the following rules are observed.

1. Concerning safety regulations

- a. Valves can only be used when the materials according to the respective working conditions are resistant against mechanical and/or chemical influence respectively corrosion, so that the explosion protection is remaining.
- b. All metallic parts – as well those add by the operator of the installation – must be electrically connected to each other and put to ground.
- c. Accessories of the valve must have at least the same explosion protection requirement as those mentioned on the label of the valve, according to the ATEX 94/9/EC.
- d. The operator of the installation is responsible to assure that the allowed temperatures according to the substances appearing at the external hazardous atmosphere are not exceeded.

2. Important notice concerning installation

- a. By use in explosive location, the earthing terminal of the valve must be connected to the ground. The volume resistance must be tested and must be < 10⁶ Ohm.
- b. The volume resistance must be tested regularly by the operator of the installation, at least once per year.
- c. The operator of the installation is responsible to assure that the allowed temperatures according to the substances appearing at the external explosive atmosphere are observed.

3. Important notice concerning maintenance

- a. The volume resistance must be tested frequently by the operator of the installation, at least once per year (< 10⁶ Ohm).

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| <p>InterApp AG Grundstrasse 24 CH-6343 Rotkreuz Phone +41 (0) 41 7982233 Fax +41 (0) 41 7982234 info@ch.interapp.net</p> | <p>InterApp Germany AVK Mittelmann Armaturen Schillerstrasse 50 D-42489 Wülfrath Phone +49 (0) 2058 901 01 Fax +49 (0) 2058 901 110 info@avkmittelmann.com</p> | <p>InterApp Austria Kolpingstrasse 19 A-1230 Wien Phone +43 (0) 1 6162371-0 Fax +43 (0) 1 6162371-99 info@at.interapp.net</p> | <p>InterApp Italy Via Gramsci 29 I-20016 Pero (MI) Phone +39 02 339371 Fax +39 02 33937200 info@it.interapp.net</p> | <p>InterApp Válvulas Calderón de la Barca 12 E-28860 Paracuellos de Jarama Phone +34 (0) 91 6584360 Fax +34 (0) 91 6581430 info@es.interapp.net</p> | <p>AVK Válvulas Poligono Industrial Francoli, parcela 27 E-46006 Tarragona Phone +34 977 543 008 Fax +34 977 541 622 avk@avkvalvulas.com</p> | <p>InterApp Singapore 11, Changi North Street 1, #03-11 Singapore 498823 Phone +65 62141048 Fax +65 62140481 info@sg.interapp.net</p> |
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