



The special versions of the InterApp butterfly valves suitable for the use in explosive atmospheres are as described below. 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-codification	Body coating	Version	Documents
135	Ex II 2GD(o) c IIB X	80 µm to 2 mm, Code R, N, M, Y and customer specific	<ul style="list-style-type: none">• Earthing connection• all liner and disc materials	Manufacturer declaration
112	Ex II 2GD(o) c IIC X	Max. 80 µm, Code E		
278	Ex II 1GD(i)/2GD(o) c IIB X	80 µm to 2 mm, Code R, N, M, Y and customer specific	<ul style="list-style-type: none">• Earthing connection• Only allowed liner materials (E, EC, EF, N, NA, NH, NG, V, VA, FP, TEC, T*A, T*VA)• Liners T* and T*V only in combination with non-coated discs• Only discs with conductive coating (3BA, 4GA) or non-coated discs	
246	Ex II 1GD(i)/2GD(o) c IIC X	Max. 80 µm, Code E		

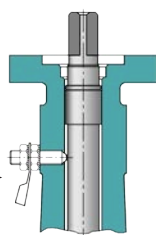
The table below shows the respective valve version to be used. These are recommendations only. The plant operator / purchaser have the sole responsibility for the definition and the appropriate selection.

Application of InterApp butterfly valves 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	Ex II 2GD(o) c IIB x Code 135 Ex II 2GD(o) c IIC x Code 112
		non inflammable dusts			
		Gases; as well inflammable but non explosive mixtures			
	explosive atmosphere inside	Gas	Zone 1 or 2 (not zone 0)	Ex II 1G(i)/2GD(o) c IIB x Code 278	Ex II 1G(i)/2GD(o) c IIB x Code 278
			Zone 0 (as well applicable for Zone 1 or 2)	Ex II 1G(i)/2GD(o) c IIC x Code 246	Ex II 1G(i)/2GD(o) c IIC x Code 246
		Drops (vaporous and mist), vapours of inflammable liquids	Zone 0, 1 or 2	Ex II 1GD(i)/2GD(o) c IIB x Code 278	Ex II 1GD(i)/2GD(o) c IIB x Code 278
		Dust	Zone 20, 21 or 22	Ex II 1GD(i)/2GD(o) c IIC x Code 246	Ex II 1GD(i)/2GD(o) c IIC x Code 246



Earthing connection
Cable not included in delivery



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Example how to order:

DESPONIA

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

DESPONIA^{plus}

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

Description of keycode see datasheet

DESPONIA, DESPONIA^{plus}, BIANCA

Fluids under control.



Special versions of the InterApp 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 as well be according to the 2014/34/EU.
- d. The operator of the installation is responsible to assure that the allowed temperatures according to
 - i. the conveyed fluid and the zone classification in the inner hazardous atmosphere as well as
 - ii. 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 $< 10^6 \text{ Ohm}$.
- b. The volume resistance must be tested regularly by the operator of the installation, at least once per year.
- c. Before removing valves from piping systems conveying inflammable or explosive fluids, the piping system must be rinsed or made inert, so that no inflammable or explosive gases remain at the work place.
- d. The operator of the installation is responsible to assure that the allowed temperatures according to
 - i. the conveyed fluid and the location classification in inner explosive atmosphere as well as
 - ii. 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 ($< 10^6 \text{ Ohm}$).

InterApp AG
Grundstrasse 24
CH-6343 Rotkreuz
Phone +41 (0) 41 7982233
Fax +41 (0) 41 7982234
info@ch.interapp.net

InterApp Ges.m.b.H.
Kolpingstrasse 19
A-1230 Wien
Phone +43 (0) 1 6162371-0
Fax +43 (0) 1 6162371-99
info@at.interapp.net

InterApp Italiana
Via Gramsci 29
I-20016 Pero (MI)
Phone +39 02 339371
Fax +39 02 33937200
info@it.interapp.net

InterApp GmbH
Schillerstrasse 50
D-42489 Wülfrath
Phone +49(2058) 8909250
Fax +49(2058) 8909255
info@de.interapp.net

AVK Válvulas S.A.
InterApp Válvulas S.A.
Polígono Industrial Francolí, parcela 27
E-46006 Tarragona
Phone +34 977 543 008
Fax +34 977 541 622
avk@avkvalvulas.com