

Cleaning standards for industrial valves

Butterfly valves for the industry –
Expertise in clean assembly and packaging under clean conditions

Clean valves for high productivity and safety

Paint wetting impairment substances such as silicone, grease, oil, wax, etc. can contaminate entire painting systems. Moreover, fat or oil can react with some chemical elements such as Oxygen. And, for the semiconductor industry, high purity butterfly valves are required for ultrapure water.

Thanks to our expertise and the two cleanrooms in Switzerland and Spain, InterApp is able to produce the butterfly valves to the required degree of cleanliness of the application.

Cleaning standard	Description	Cleanness grade	Assembly area	Tightness test	Cleanness test	Single unit packaging	Product range	Applications	Shipping package
Fat free (FF)	The valves must be free of grease or fat. For the assembly (Desponia), to lubricate, some Loctite SF7070 is used.	good	Bianca (standard) Desponia® (LABS free room)	standard	none	Bianca (standard) Desponia® (PE bag around the valve neck)	Bianca (all) Desponia® (≤DN400)	Oxygen, Food and beverage, Semiconductor industry (low purity water loop)	standard
Oil and fat free cleaned (335)	Similar to LABS free for larger valves. The valves are cleaned manually using Loctite SF7070.	good	standard	standard	none	one PE bag taped around the valve neck	Bianca (>DN350) Desponia® (>DN400)	Automotive industry, Semiconductor industry (low purity water loop)	standard
LABS free (LF)	Cleaning, assembly, testing and packaging work are carried out in the LABS free room. The mechanic wears special work clothes and uses clean latex gloves throughout the process. All components are cleaned in the LABS free room using an industrial washing machine with high purity water. For the assembly (Desponia), to lubricate, some Loctite SF7070 is used.	very good	Bianca (standard with cleaned and PE foil covered work table) Desponia® (LABS free room)	standard	Bianca (none) Desponia® (Isopropyl alcohol)	one PE bag taped around the valve neck and for Bianca in another PE bag vacuum sealed	Bianca (≤DN350) Desponia® (≤DN400)	Automotive industry, Semiconductor industry (low purity water loop)	standard
Oxygen service (OX) Bianca only	All components are cleaned in the LABS free room using an industrial washing machine with high purity water and an alkaline cleaning agent. Assembly and packaging work are carried out in the LABS free room. All equipment is cleaned carefully after the assembly. The mechanic wears special work clothes and uses clean latex gloves throughout the process.	excellent	LABS free room	standard	UV-Lamp	two PE bags vacuum sealed	≤DN350	Air separation	standard
High purity (HP) Bianca only	All components are cleaned in the LABS free room using an industrial washing machine with high purity water and an alkaline cleaning agent. Assembly and packaging work are carried out in the high purity clean room. The mechanic wears special work clothes and uses clean latex gloves throughout the process.	excellent	high purity clean room	high purity	none	one PE bag closed around the valve neck and in another PE bag vacuum sealed	≤DN300	Life science, Semiconductor industry	standard



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