

# Quality and safety for maximum output

Semiconductor industry –  
Expertise in high-purity applications







## High-purity valves for safe processes

When safe and reliable product solutions for the most sophisticated applications and industries are required, our high-quality valves play a decisive role. For the demanding processes in the semiconductor business, we offer high-purity and grease-free valves with different disc and liner materials. Manufactured in our own premises according to the highest production standards and high international approval regulations, they ensure maximum safety and maximum output.

Ultrapure water, wastewater, reclaimed water, CMP or copper removal solutions - as a customer-focused company and industrial valve specialist, our experienced technical staff provides comprehensive project support for all semiconductor applications and assists you with its in-depth-application know-how to realise the best process-specific solution.

# Quality in every aspect



## Bianca PTFE-lined butterfly valve

Centric butterfly valve in high-purity execution, assembled and packed in double sealed bags in our clean room US federal standard 209E class 10.000 and ISO class 7.

Body construction	Lug, Wafer
Nominal diameter	DN 50 – 350 (1 ¼" – 14")
Max. working pressure	Up to 16 bar
Flange connection	PN10, PN16, ANSI cl. 150, JIS 10K
Temperature range	-20°C to 200°C
Body material	Ductile iron
Disc-shaft (one piece)	PFA overmoulded
Liner material	PTFE with EPDM or FPM elastomeric energizer

## Desponia® Elastomer-lined butterfly valve

Centric butterfly valve in grease-free execution, assembled and packed in our special cleaning facility.

Body construction	Wafer, Lug
Nominal diameter	DN 25 – 600 (1" – 24 ")
Max. working pressure	Up to 16 bar
Flange connection	PN6, PN10, PN16, ANSI cl. 150, JIS 5K, JIS 10K, JIS 16K
Temperature range	-20°C to 200°C
Body material	Ductile iron
Disc material	Ductile iron, Stainless steel, Stainless steel Halar coated, Stainless steel polished
Liner material	EPDM, NBR, FPM and others

## Expect more

1

### Safety

Our superior and highly reliable valves are assembled in our state-of-the-art clean rooms to ensure failure-free and safe operation.

2

### Availability

A high availability of semi-finished components and a flexible production enable short delivery times both for valves and spare parts.

3

### Product variety

Process-specific high-purity and grease-free executions can be created thanks to a large range of body, liner and disc materials.

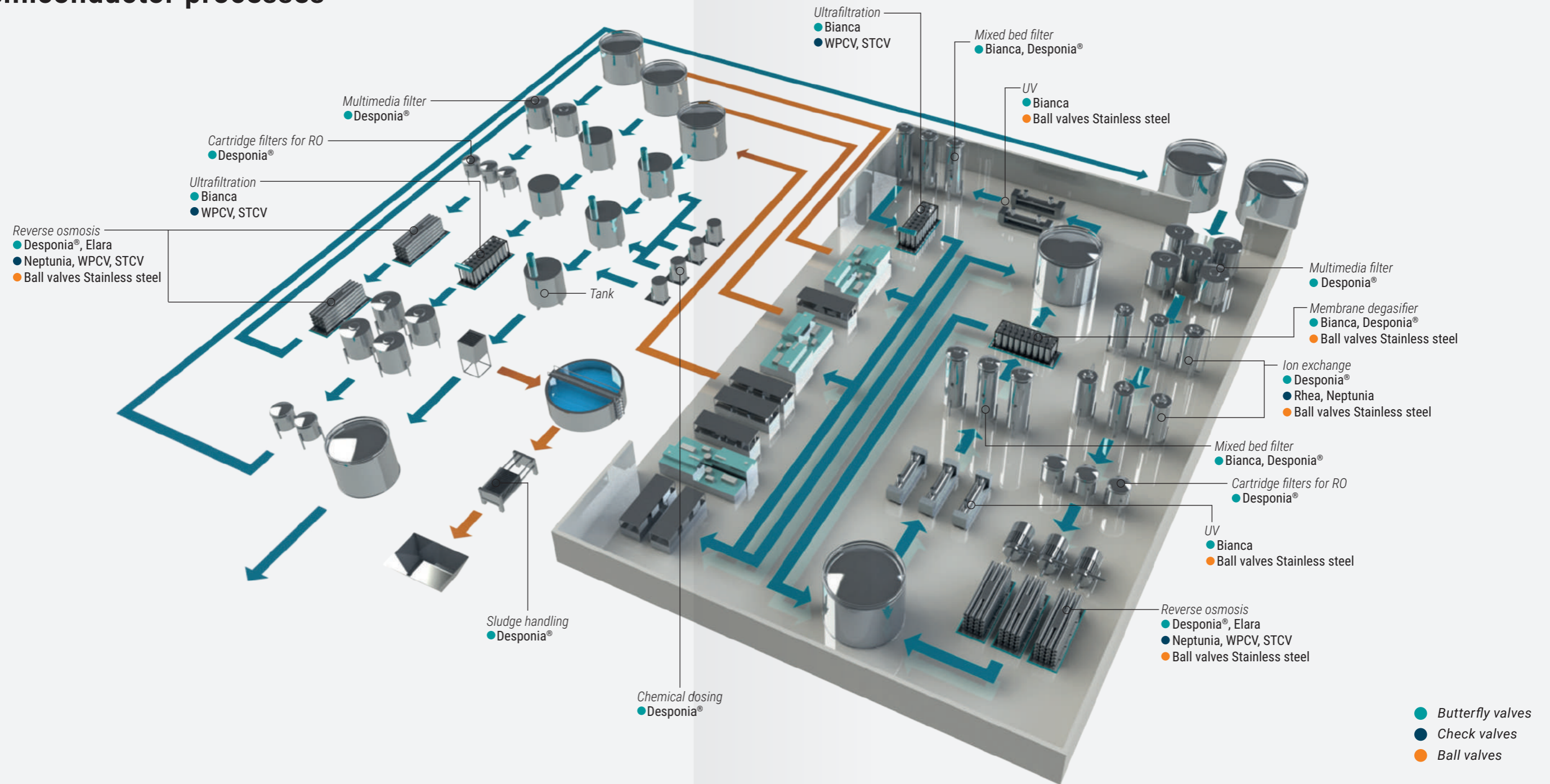
4

### Ensured quality

Inspection and testing plans (ITP) as well as factory acceptance tests (FAT) can be provided on request.



# The right solution for your semiconductor processes



6

7

All valves are high purity and / or grease-free

## Other products



### Neptunia

Dual plate check valve, DN 50-600. Stainless steel body and grease-free execution.



### Rhea

Swing check valve, DN 32 – 600. Stainless steel body, grease-free execution.



### WPCV

PTFE-lined wafer poppet check valve, DN 15-100. Stainless steel body, grease-free execution.



### STCV

PTFE-lined swing check valve, DN 150-300. Cast steel body, grease-free execution.



### Ball valves

A large product range of 2- and 3-way valves. Stainless steel body, grease-free execution.



### Actuators

Our valves can be operated manually or automatically by pneumatic actuators as on/off- or regulating services.



# Ultrapure water for the semiconductor industry

With InterApp butterfly valves  
Bianca and Desponia®



- Butterfly valves Bianca
- Butterfly valves Desponia®
- Check valves Neptunia
- Ball valves Stainless steel
- Actuators IA motion

To ensure a failure-free operation and the manufacture of fault-free products, ultrapure water has top priority in the field of electronics and in the semiconductor industry.

Ovivo, a globally active company and specialist in water treatment, provides the electronics and semiconductor industry with high-tech systems for ultrapure water in the areas of microprocessors, digital member chips, FPD and TFT. When designing and building, the extremely high standards for pretreatment, make-up and polishing of the semiconductor industry must be taken into account.

The high-purity butterfly valve Bianca is produced in Switzerland. High-purity grade PFA

granulate is used for the disc lining. First, all components are cleaned and dried in a special cleaning facility. Then, the butterfly valves are assembled in a clean room of class 10,000 / ISO class 7 and checked for leak-tightness using ultrapure air. After a functional check, they are packed and sealed individually in a double bag and in an overall protective packaging.

For the butterfly valve Desponia in grease-free design, the components are also cleaned and dried in a special cleaning facility and assembled without using of lubricants. The special packaging of the butterfly valves guarantees that they remain absolutely clean until they are installed.



# Globally local






As an international company with extensive product and project expertise, we support you with our sales partners and our technical support team in all parts of the world.

We are there for you.  
Anywhere, anytime.

## Facts & Figures

- / 1969 founded in Switzerland
- / 3 manufacturing sites in Switzerland, Spain and China
- / Over 20 sales and distribution companies and export sales partners
- / A dedicated member of the AVK Group since 2010

-  InterApp Subsidiaries
-  AVK Industrial Companies
-  Export Sales Partners

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## **InterApp AG**

Grundstrasse 24  
6343 Rotkreuz  
Switzerland

[info@ch.interapp.net](mailto:info@ch.interapp.net)  
[interapp.net](https://interapp.net)

