

High-purity valve solutions for semiconductor manufacturing in Singapore

GlobalFoundries –
Case Study Water Treatment





Bianca butterfly valves

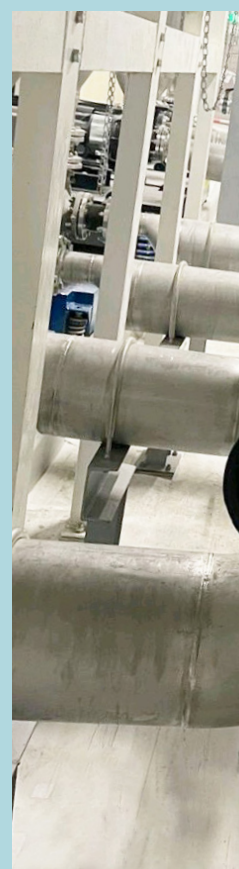
PTFE-lined, high purity design

Desponia butterfly valves

elastomer-lined, grease-free design

IA Motion actuator

pneumatic



Reliable valve solutions for ultrapure water, waste water and chilled water in the semiconductor production.

Amid global chip shortage, semiconductor manufacturer GlobalFoundries has increased its production capacity in Singapore by building an additional production facility.

Since tender stage, AVK Singapore together with InterApp assisted the contractors, which are Topco Industries Pte. Ltd., Suez Water Technologies & Solutions Singapore Pte. Ltd., and Yenn Dar Pte. Ltd. with the right materials and specifications of the valves and to ensure a full compliance to the applications. Product solutions offered include ultrapure water, waste water and chilled water applications.

Ultrapure water (UPW) in particular is critical in the semiconductor industry. This high-purity water is used to clean the semiconductor wafers. To ensure that the tiniest foreign particles do not enter the process and absolutely flawless products can be produced, the installation of high purity components is crucial.

InterApp butterfly valve Bianca in high-purity design and Desponia® in grease-free design are produced under the strictest purity conditions and are distinguished by their quality and high degree of purity.

The close cooperation between the contractors, AVK Singapore and InterApp, as well as the overall package, have helped to ensure that the new production facility meets the highest standards of quality and safety.



We are there for you. With our global expertise in industrial applications, we understand your requirements and offer expert advice at every stage of your project. At the same time, you can benefit from our international product standards thanks to our global know-how. Our highly skilled technical team, coupled with the quality and durability of our products, makes us a reliable partner for industrial valve solutions.