

## Product information

August 2021

AS-Schneider supplies valves and valve blocks for space applications:

### Special design for use in space

**Nordheim (Germany) – 01. August 2021 – AS-Schneider, the specialist for industrial valves, has received an order from the space industry: The company supplies valves and valve manifolds for the program of a national space agency that have to meet very special requirements for use in space. In this very special project, AS-Schneider was able to rely on its decades of development expertise.**

Special solutions for extreme operating environments are nothing unusual for the valve manufacturer AS-Schneider from Baden-Württemberg, but this order is very special: A leading national space agency required bellow-sealed shut-off valves and needle valves for one of its space missions. The latter in particular had to have very special properties for the journey into space, because they're exposed to very low temperatures, among other things. In addition to a precisely specified leakage rate, the valves had to withstand at least 2500 operating cycles under these conditions.

Those responsible for the project approached various manufacturers with their request and eventually decided on AS-Schneider. The company, based in Nordheim near Heilbronn, can draw on decades of experience in the development of custom-made valves and has also found a solution in this case that enables a reliable operation even in outer space. Especially the selection of the suitable bellows was a real challenge, but the team of AS-Schneider was able to pick the right ones eventually thanks to their expertise.

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Both the technical implementation and the high product quality convinced the customer of his decision. AS-Schneider supplied more than 100 valves for the space mission, including bellow-sealed needle valves and gland-sealed needle valves, as well as more than 100 block and bleed manifolds. This means that the valve manufacturer is now not only successful worldwide, but also beyond this world.

**Size:** 1,986 characters (with spaces)

### Image caption:



**Image 1:** Bellow-sealed needle valves for space applications.

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**Image 2:** Cross section - bellow-sealed needle valves

**Pictures from:** Armaturenfabrik Franz Schneider GmbH + Co. KG

You can download the high resolution images [here](#).

### About AS-Schneider

The family-owned company AS-Schneider, with more than 350 employees, was founded in 1875 and is today one of the world's leading manufacturers of industrial valves for measurement and control technology and also of Double Block & Bleed (DBB) ball valves. AS-Schneider is in fact the world market leader in the market segment of valves for large diesel engines, such as those needed for ship propulsion and power generation. With our own subsidiaries in Romania, Singapore, Dubai (UAE.), Houston (USA) and India as well as professional partners in over 20 countries worldwide, we can be found wherever our customers need us.

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