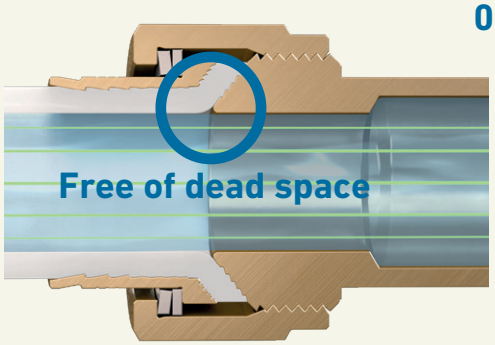
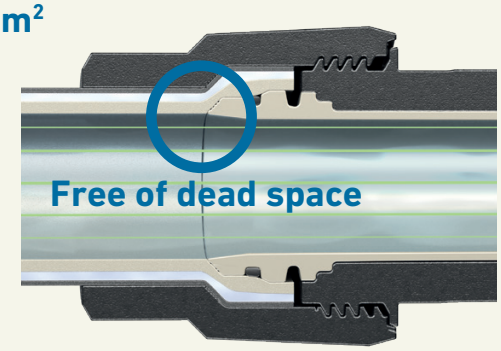
Drinking water installations without dead spaces

Germ-free*
0 KBE / cm²





JRG Sanipex

JRG Sanipex MT

Preventive hygiene measure

In dead spaces of connections of a drinking water installation, water accumulates which is not exchanged at this point. This so-called stagnant water favors the formation of biofilms and thus increases the potential for contamination. Due to the considerable number of pipe connections in a drinking water installation, it is advisable to use systems without dead spaces.

Proof of freedom from dead space from a renowned testing institute:

To meet this requirement, Georg Fischer JRG was the first company to have its products tested by a renowned German testing laboratory for their contamination potential in dead spaces.

Test object:	*JRG Sanipex and JRG Sanipex MT piping systems, drinking water valves JRG LegioStop*
Test laboratory:	*Fraunhofer UMSICHT, Osterfelder Str. 3, D-46047 Oberhausen*
Test set-up:	*A circulation circuit with two lines and one stagnation line was constructed using only products with a DVGW drinking water approval and filled with Evian mineral water from PET bottles water volume (< 3 liters).*
Test operation:	*During four weeks, the water was circulated under the following conditions circulated (volume flow 100 l/h, pressure 4 bar, temperature 30°C).*
Verification:	*Microbial contamination was detected at the joints of the piping installation systems and on the components of the drinking water components of the drinking water fittings in accordance with the German Drinking Water Guidelines (VDI 6023, part 1: 2006 / DVGW W554: 2011 / BioMig test method of EAWAG, St. Koetzsch: 2011).*
Test result:	***Scientific proof was provided for all hygienically relevant connection points by microbiological test methods. All connection points demonstrably fulfilled the criteria of sterility*. Thus, taking into account the intended operation of a drinking water system and a domestic installation, hygienic safety can be guaranteed in all connections.***
** Aseptic:*	*Comparison of the pipe connection points to the germ load in the circulating water.*

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