



STS Directory

Accreditation number: STS 0094

International standard: ISO/IEC 17025:2017
Swiss standard: DIN EN ISO/IEC 17025:2018

Georg Fischer
Piping Systems Ltd.
Testing Laboratory
Ebnatstrasse 101
8201 Schaffhausen

Head: Udo Heizmann
Responsible for MS: Marius Wagner
Telephone: +41 52 631 35 52
E-Mail: udo.heizmann@georgfischer.com
Internet: www.georgfischer.com
Initial accreditation: 11.01.1995
Current accreditation: 22.04.2020 to 21.04.2025
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 28.10.2021

Testing laboratory for components of piping systems

Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Plastics Pipes, fittings, unions, flanges and pipe assemblies	<p>Longterm internal pressure tests < 100 bar</p> <p>Flattening tests electro fusion couplings d16 – d225</p> <p>Test Sécurité Safety time of fusion cycle</p> <p>Pressure cycling fatigue test < 25 bar, sinusoidal, 0.1 to 4 Hz, 20 °C</p> <p>Pressure cycling fatigue test < 65 bar, square wave, 0.1 to 4 Hz, 20 °C</p> <p>Falling weight impact tests 800 mm to 2000 mm - 40 °C to + 100 °C</p>	<p>ISO 1167, ISO 9393</p> <p>ISO 13955</p> <p>NF T54-969</p> <p>DVGW W 534</p> <p>NF T54-094</p> <p>EN 1716</p>



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Plastics Valves	Decohesion test	ISO 13956
	Strip bend tests for electro fusions	ISO 21751
	Determination of dimensions	EN ISO 3126
	Peel decohesion test	ISO 13954
	Bending tests under internal pressure stress	EN ISO 3503, DVGW G 5600-1 <i>4.6 Resistance to bending</i>
	Internal pressure and leakage test	ISO 9393, EN 917, EN 12266 Leakage rate A
	Internal pressure test	ISO 1167
	Torque test	EN ISO 8233, DVGW VP 302 <i>4.5 operation of valve</i> <i>4.7 inner and outer tightness</i>
	Pressure loss tests on electro fusion saddles	ISO 17778
	Cutting torque test + leak flow rate tapping saddle	NF T54-970
Plastics Materials	Resistance to bending under internal pressure	DIN EN 12100, EN 1074-1/2, DVGW VP 302 <i>4.9 Resistance to bending</i>
	Impact test of valves	SN EN ISO 3127, EN 1705, DVGW VP 302 <i>4.11 Relaxation of tension</i> <i>4.14 Impact test</i>
	Functional test of tapping valves for gaz	DIN 3588-1/-3 <i>4.13 hydrostatic strength</i> <i>4.14 tightness to outside</i> <i>4.15 strength of pressurized parts</i> <i>4.16 strength closure body</i> <i>4.17 tightness of valve end</i> <i>4.18 operation</i>
	Melt flow rate MFR	ISO 1133-1
	Determination of the density	SN EN ISO 1183-1
	Determination of the Vicat softening temperature	ISO 306, ISO 2507
	Determination of the tensile strength of test pieces from butt-fusion jointings	ISO 13953

1) Scope of accreditation type A (fix)

2) Scope of accreditation type B (flexible)

3) Scope of accreditation type C (flexible)

Definition of flexibility see SAS Document 741



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	Tensile test, pipe connections	ISO 13951, DVGW G 5600-1 <i>4.7 axial force closure</i> <i>4.8 safety for pulling-out</i>
	Determination of oxydation induction time OIT	EN 728, ISO 11357-6

Abbreviation	Signification
DVGW	German Association for Gas and Water utilities

In case of contradictions in the language versions of the directories, the German version shall apply.

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