



## STS Directory

Accreditation number: STS 0094

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

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Initial accreditation: 11.01.1995  
Current accreditation: 22.04.2025 to 21.04.2030  
Scope of accreditation see: [www.sas.admin.ch](http://www.sas.admin.ch)  
(Accredited bodies)

## Scope of accreditation as of 22.04.2025

### Testing laboratory for components of piping systems

| Group of products or materials, field of activity                       | Principle of measurement <sup>2)</sup> (characteristics, measuring ranges, type of test)                                                                                                                                                                                                                                                                                                                  | Test methods, remarks (national, international standards, in-house test methods)                                         |
|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Plastics</b><br>Pipes, fittings, unions, flanges and pipe assemblies | Longterm internal pressure tests<br>< 100 bar<br><br>Flattening tests<br>electro fusion couplings<br>d16 – d225<br><br>Test Sécurité<br>Safety time of fusion cycle<br><br>Pressure cycling fatigue test<br>< 25 bar, sinusoidal,<br>0.1 to 4 Hz, 20 °C<br><br>Falling weight impact tests<br>800 mm to 2000 mm<br>- 40 °C to + 100 °C<br><br>Decohesion test<br><br>Strip bend tests for electro fusions | ISO 1167, ISO 9393<br><br>ISO 13955<br><br>NF T54-969<br><br>DVGW W 534<br><br>EN 1716<br><br>ISO 13956<br><br>ISO 21751 |



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|---------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Plastics</b><br><br>Valves                     | Determination of dimensions                                                                 | EN ISO 3126                                                                                                                                                                                                                            |
|                                                   | Peel decohesion test                                                                        | ISO 13954                                                                                                                                                                                                                              |
|                                                   | Bending tests under internal pressure stress                                                | EN ISO 3503, DVGW G 5600-1<br><i>4.6 Resistance to bending</i>                                                                                                                                                                         |
|                                                   | Internal pressure and leakage test                                                          | ISO 9393, EN 917, EN 12266<br>Leakage rate A                                                                                                                                                                                           |
|                                                   | Internal pressure test                                                                      | ISO 1167                                                                                                                                                                                                                               |
|                                                   | Torque test                                                                                 | EN ISO 8233, DVGW VP 302<br><i>4.5 operation of valve</i><br><i>4.7 inner and outer tightness</i>                                                                                                                                      |
|                                                   | Cutting torque test +<br>leak flow rate tapping saddle                                      | NF T54-970                                                                                                                                                                                                                             |
|                                                   | Resistance to bending under internal pressure                                               | DIN EN 12100, EN 1074-1/2,<br>DVGW VP 302<br><i>4.9 Resistance to bending</i>                                                                                                                                                          |
| <b>Plastics</b><br><br>Materials                  | Impact test of valves                                                                       | SN EN ISO 3127, EN 1705,<br>DVGW VP 302<br><i>4.11 Relaxation of tension</i><br><i>4.14 Impact test</i>                                                                                                                                |
|                                                   | Functional test of tapping valves for gaz                                                   | DIN 3588-1/-3<br><i>4.13 hydrostatic strength</i><br><i>4.14 tightness to outside</i><br><i>4.15 strength of pressurized parts</i><br><i>4.16 strength closure body</i><br><i>4.17 tightness of valve end</i><br><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                                                                                                                                                                                                                              |
|                                                   | Tensile test, pipe connections                                                              | ISO 13951, DVGW G 5600-1<br><i>4.7 axial force closure</i><br><i>4.8 safety for pulling-out</i>                                                                                                                                        |
|                                                   | Determination of oxydation induction time OIT                                               | EN 728, ISO 11357-6                                                                                                                                                                                                                    |



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| 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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