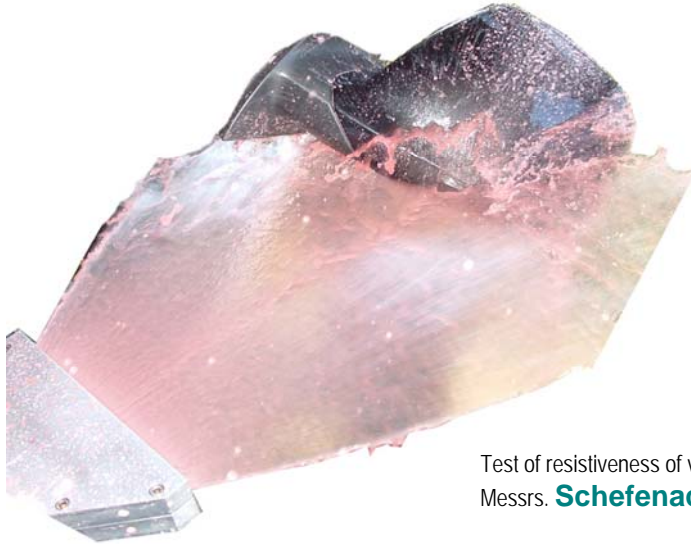


## Environmental simulation

### Splash water test / Water jet test



Test of resistiveness of vehicle mirrors carried out for  
Messrs. **Schefenacker Mirrors GmbH**

Splash water tests are used to determine the degree to which bodies, capsules or other units are protected against liquids. They can also be used as a kind of local shock test to subject special parts or areas of test objects to thermal change. Liquids of different composition may be used as splash media, e.g. demineralized water, drinking water, sea water, anti-freezing agent or suspensions of fine dust and water. Splash water tests are used i.a. in the automotive industry to test the ever growing amount of weatherproof electronic parts.

#### Standards:

e.g. VW80101\_DE\_2005-06-01;  
BMW GS 95003-4 ET+EK-BG climatic tests; IP-  
protection classes

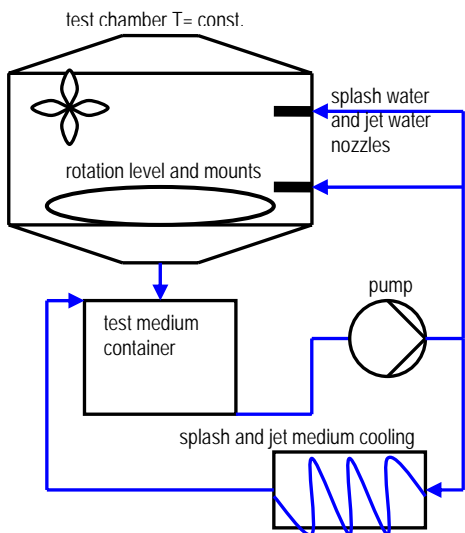
#### Properties and advantages:

- test chamber volume 1100 liters
- various splash media:
  - salt suspensions
  - Arizona dust / water
  - de-ionized water
  - customized
- test chamber temperature up to 120°C
- splash medium temperature between -30°C and +100°C
- humidity up to 100%
- non-varying climate
- circulating air method
- various splash water and water jet nozzle dimensions and shapes
- any nozzle shape upon request
- circulating and single use method (splash and jet medium )
- parameter control/ recording
- test online / offline

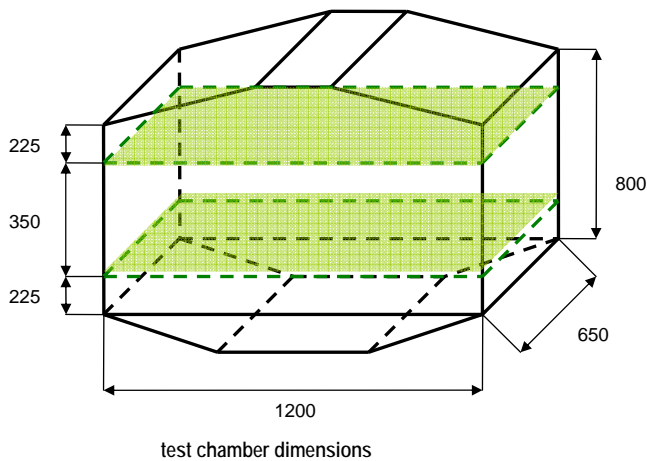
Technical specifications

Test equipment for	dimensions of test chamber [cm]	temperature in chamber [°C]	temperature of test media [°C]	humidity [%]	volume flow test medium [liters/h]
Splash water I Water jet I	120x110x65	20-120	between -30 and 100	up to 100	100 - 4000

Technical details



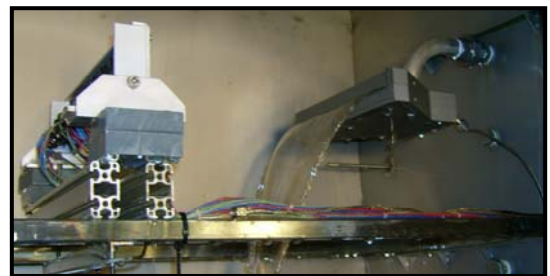
schematic presentation splash water test equipment



test chamber dimensions



Splash water test of sensors, carried out for Messrs.



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**TechnoLab GmbH**  
 qualifying and testing  
 Am Borsigturm 46  
 13507 Berlin  
 Tel.: +49 30 4303 3160  
 Fax: +49 30 43033169