



## Test Laboratory for Water Installations P12

<b>Measurement</b>	Installation sound level
<b>Standard</b>	DIN 4109, VDI 4100, SIA 181, DIN EN 14366, DIN EN ISO 10052
<b>Measuring objects</b>	Shower systems, bath tubs, whirlpools, WC's, waste water systems, water installations, pipe insulations, pipe clamps, all types of front wall installations.
<b>Technical data</b>	
Room volume	70 m <sup>3</sup> (ground floor in the rear, basement in the rear) and 53 m <sup>3</sup> (installation room, basement in the front)
Entrance doors (H x W)	2,05 m x 2,00 m (installation room)
Thickness of separating floor	190 mm (reinforced concrete)
Installations walls	0,115 m KSV (plastered on both sides) m' = 220 kg/m <sup>2</sup>

### More information

- Installation wall as single-leaf solid walls with a mass per unit area of 220 kg/m<sup>2</sup> (minimum mass per unit area according to DIN 4109)
- Controllable water supply (water pressure and flow rate)
- Model installation conditions (test facility with customary flanking transmission) of two separate residential units (ground floor and basement), room configuration "bathroom over bathroom" with adjacent living room (room to be protected)
- Test facility with low background noise due to room-to-room construction
- Test results can be used to prove compliance with requirements according to the German standard DIN 4109 and to the guideline VDI 4100.
- Test results can be used for classification according to the Swiss standard SIA 181 (noise sensitivity levels).

### Vertical section of test facility for water installations (dimensions in mm)

