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| BR 710 950 | **Thermostatic mixing valve for** **safety showers** |
| Thermostatic mixing valve for safety showers  The thermostatic mixing valves of the ComfortLine series are special mixing valves for eye showers and safety showers that ensure highly precise control of the water temperature and scald protection. A continuous supply of hot and cold water is required for this purpose. The thermostatic mixing valves guarantee that the correct water temperature is always available at the tapping point and that unwanted temperature fluctuations are prevented.  The scald protection reliably protects the user from scalding. The scald protection comes into play when an uncontrolled overshoot of the hot water temperature occurs or the cold water supply fails.  The thermostatic mixing valve ensures continuous water supply even if the hot water supply fails (e.g. if the hot water is turned off). The function is used when the differential pressure between cold and hot water exceeds 0.5 bar. In this case, cold water escapes at the tapping point (bypass function).  - Adjustment range 20-43°C, preadjusted to 22°C  - Automatic check of the cold and hot water supply line  - Hidden water temperature setting with scald protection at 43°C  - Safety shut-off of hot water in case of cold water supply failure  - Flow 110 litres / minute at 2.0 bar differential pressure, Flow rate in bypass function 60 litres / minute at 2.0 bar differential pressure  - Hot water connection 1” male, cold water connection 1” male, water outlet 1” male  - Integrated backflow preventer in cold/hot water connection to protect the drinking water  - Dimensions (H x W x D): 162 x 164 x 56 mm  - according to BGI/GUV-I 850-0, DIN 1988 and EN 1717  - according to ANSI Z358.1-2014 and DIN EN 15154-2:2006  Manufacturer: B-SAFETY or equal Article-No.: BR 710 950  **Technical Specifications**  Pressure stage: PN 10  Operating pressure: 10 bar  Differential pressure mixing: max. 3 bar  Differential pressure cold/hot water supply: max. 0,3 bar  Differential pressure to trigger the bypass function: min. 0,5 bar  Media temperature: min. 0°C / max. 95°C  Flow rate: 110 litres / minute at 2.0 bar differential pressure  Flow rate in bypass function: 60 litres / minute at 2.0 bar differential pressure  Temperature stability: +/- 5°C (only valid with same pressure at cold/hot water supply)  Water inlet: 1” male  Water outlet: 1” male  Dimensions (H x W x D): 162 x 164 x 56 mm | |