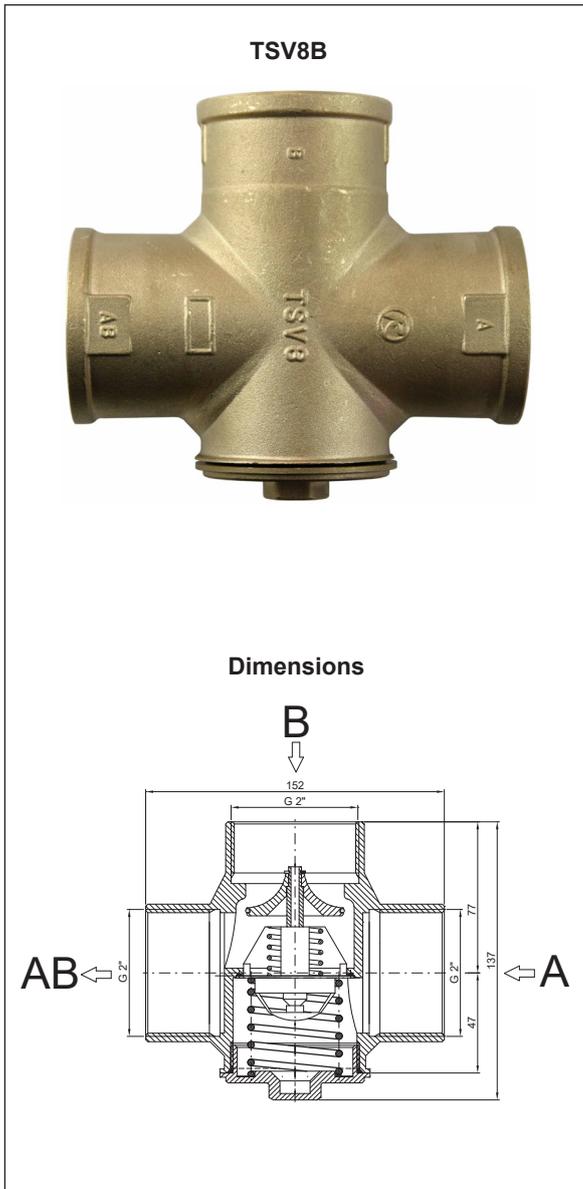


# DATA SHEET

## TSV8B Load Valve



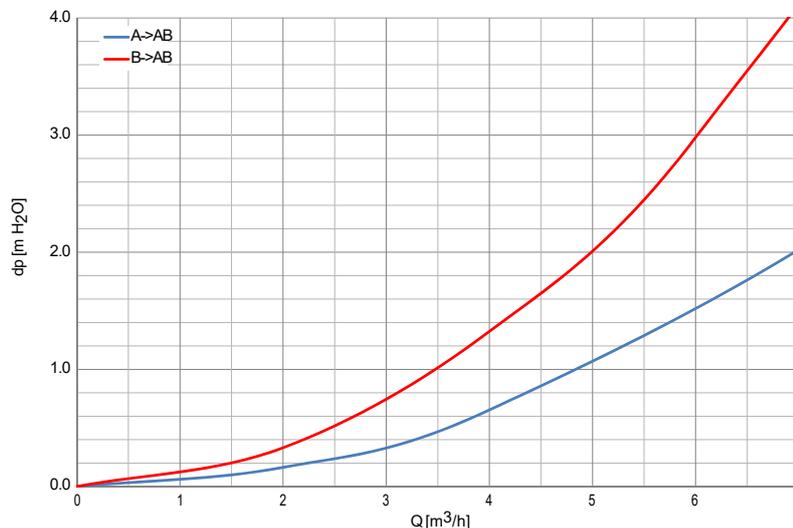
Main Features	
Application	In heating systems with a solid-fuel boiler.
Description	Mixing cold water returning from heating system / thermal store with hot water from the boiler, keeping the temperature of return water to the boiler (thus also its heat-transfer surfaces) at a temperature at which water vapor does not condense.
Working fluid	Water, water-glycol mixture (max. 1:1).
Installation	Installation is possible in any position; the valve features automatic bypass balancing.

Codes	
<b>12977</b>	for <b>45 °C</b> opening temperature
<b>12978</b>	for <b>55 °C</b> opening temperature
<b>12979</b>	for <b>65 °C</b> opening temperature

Technical Data	
Max. working pressure	6 bar
Max. working temperature	95 °C
Kvs (A → AB direction)	15.8 m <sup>3</sup> /h
Kvs (B → AB direction)	11.1 m <sup>3</sup> /h
Nominal inner diameter	DN 50
Connections	G 2" F
Plug O-ring size	Ø 58 x 3 mm
Weight	1.85 kg

Materials	
Valve housing	brass
Spring	stainless steel
Element and plug seal	EPDM
Cone seal	NBR

### Pressure Drop Graph



The pressure drop value moves between the two curves depending on the mixing ratio during mixing.