

Safety Disconnection Unit STS 5 6500

for fluid category 5



4

Field of application

The Safety Disconnection Unit STS 5 from SYR is a compact backflow prevention device in compliance with EN 1717, with a feed tank system and an air gap. It conforms with the type AB air gap as defined in this standard and can be used as a protective device up to and including fluid category 5. It is

designed to prevent the backflow or backsiphonage of non-potable water into the public drinking water system. The Safety Disconnection Unit STS 5 covers a wide range of applications (e.g. in dental offices, garden sprinkler systems, laboratories, cattle troughs, car wash facilities etc.)

Design

The Safety Disconnection Unit STS 5 includes all components as defined in EN 1717 and is designed

as feed tank system with an air gap. It is also equipped with a pre-filter and a wall bracket.

Safety Disconnection unit STS 5

Materials

The valve is made of high-quality corrosion resistant synthetic materials or stainless steel. The pre-filter is made of a high-quality low-lead brass alloy and heat resistant synthetic material.

All synthetic parts getting in contact with drinking water are approved by the German Public Health Office (KTW).

Installation

Permanent access to the valve has to be provided. Do not mount in rooms subject to flooding, frost or

high temperatures. Install only in a well-ventilated environment.

Thoroughly flush the pipe prior to installation. Install the Safety Disconnection Unit in horizontal

position on an even wall under consideration of the direction of flow and without applying stresses.

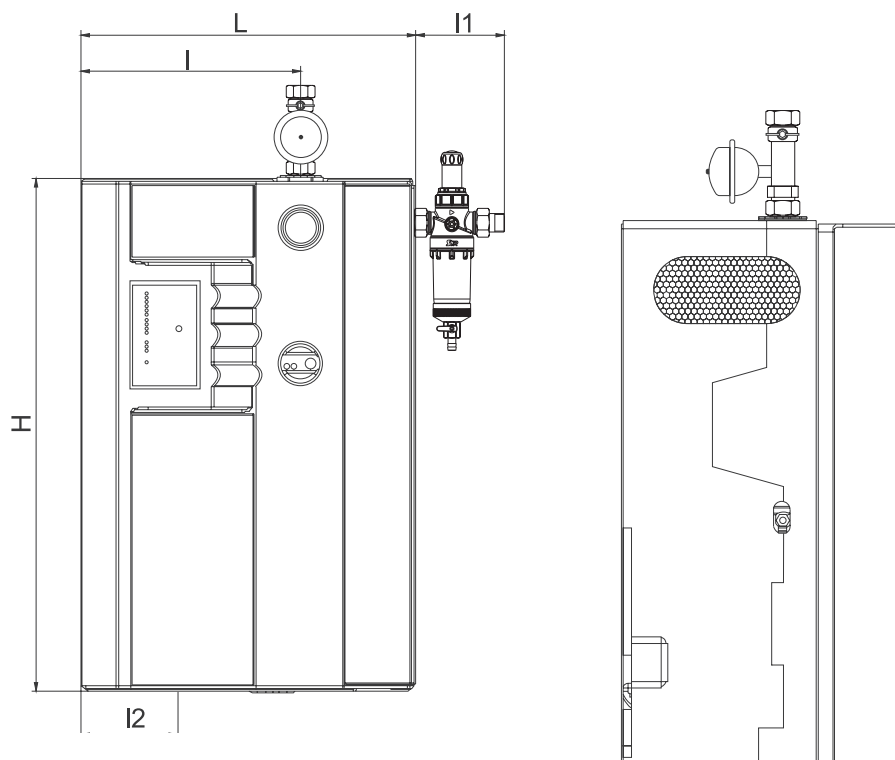
Technical specifications

Service pressure:	max. 10 bar
Ambient temperature:	min. 15 °C, max. 35 °C
Max. flow rate:	2.8 m³/h
Supply voltage:	230 V / 50 Hz
Type of protection:	IP 42
Potable water connection:	¾" AG
Pressure connection:	1" AG
Serial number:	6500.00.000

Maintenance

Servicing the Safety Disconnection Unit STS on a regular basis is compulsory. Therefore, maintenance agreements between user and installer are very useful. The correct function of the floater, the pump and the seals has to be verified after six months.

Concerning the body and the shock absorber, the correct function has to be verified after the first service year and then periodically in accordance with the operating conditions, but at the latest after one year.

**Dimensions**

H (mm)	580
L (mm)	380
I (mm)	250
T (mm)	274

Safety Disconnection unit STS 5

Components / Order numbers

①

Pump
6500.00.901

no figure
Shock absorber
6500.00.902

no figure
Pressure regulator
6500.00.903

no figure
Floating valve $\frac{3}{4}$ "
6500.00.904

no figure
Condenser
6500.00.905

no figure
Tank lip seal
6500.00.906

