



CONTROL AND SECURITY

DIFFERENTIAL PRESSURE VALVE STH



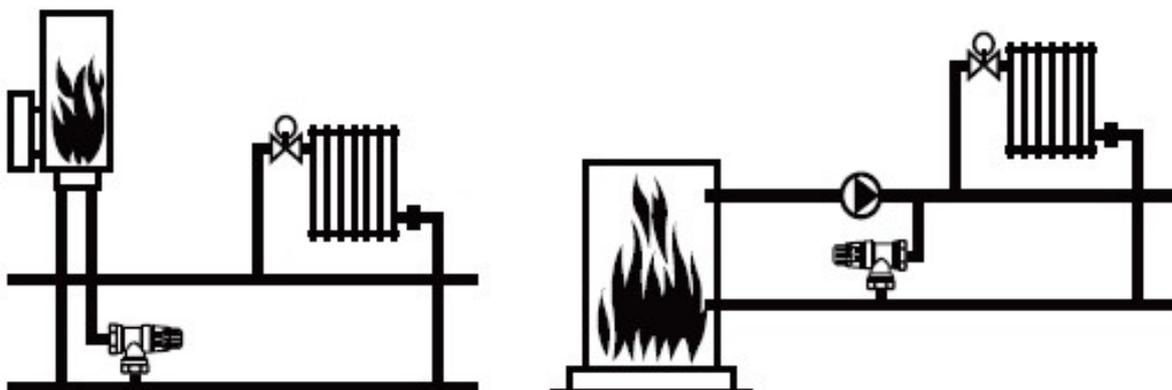
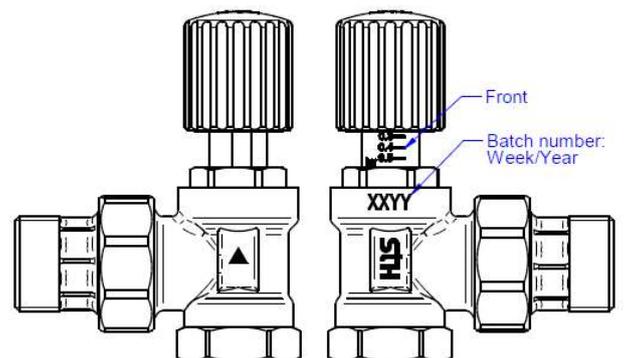
The differential pressure valve it is installed to prevent the over pressure in the heating installations, due to the simultaneous closure of the thermostatic or zone valves. The by-pass valve provides a minimum constant flow, saving energy. It also eliminates all kind of noise problems due to the over charge of the pump and offers protection, extending the lifetime of the system equipments.

Installation

The valve is opening and closing up as a response to the opening or closing of motorized valves and thermostatic valves in the heaters.

When the pressure increases, the valve provides an alternative conduction or 'by-pass' for the boiler that maintains the minimum flow in the pump and dissipates the pressure peak produced for the heater circulation pump.

The differential pressure valve of STH ('STH by-pass valve') it is designed to be blocked handy, which makes it ideal for semi-commercial applications.

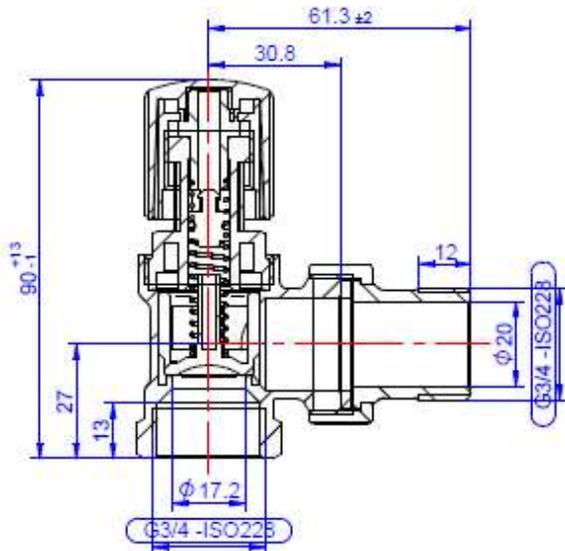




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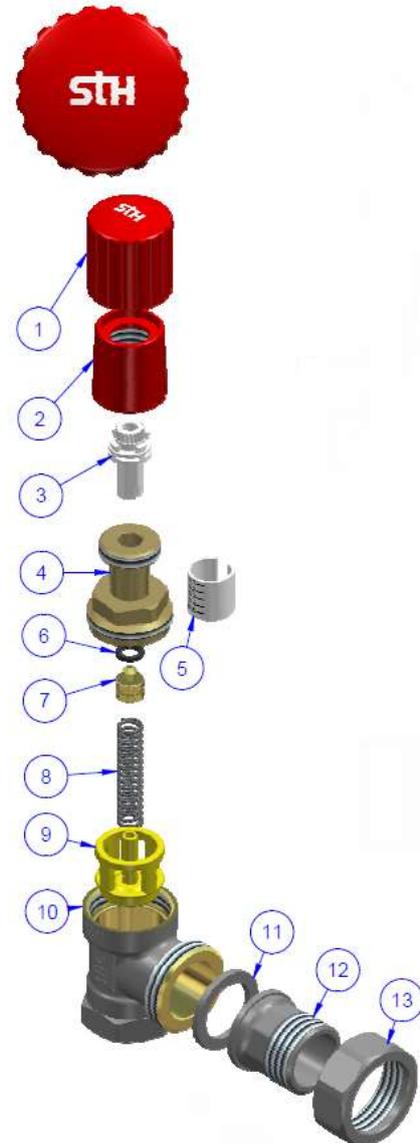
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Technical characteristics



TECHNICAL SPECIFICATIONS	
Flow	50 to 2000 l/h (3/4")
Maximum fluid temperature	110 °C
Minimum fluid temperature	0 °C
Adjustable range of temperatures	0,1 – 0,5 bar (3/4")
Maximum operating pressure	10 bar (3/4")
Maximum differential pressure	0,6 bar (3/4")

Nº	NAME	MATERIAL
1	Handwheel blocker	PA6+GF30% (RAL:3020)
2	Handwheel	PA6+GF30% (RAL:3020)
3	Piston rod	PA6+GF30% (RAL:9003)
4	Fitting	Brass UNE-EN 12165-12164
5	Preasure scale	ABS
6	O ring	EPDM with WRAS
7	Valve nucleus	Brass UNE-EN 12165-12164
8	Spring	AISI 304
9	Nucleus base	PPO (RAL:1023)
10	Body	Brass UNE-EN 12165-12164
11	Joint	EPDM with WRAS
12	Connection pipe	Brass UNE-EN 12165-12164
13	Union nut	Brass UNE-EN 12165-12164



Setting and flow



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Code	Ø
31452	3/4"

Differential pressure valve