

# TRV AND LOCKSHIELD VALVE PACK

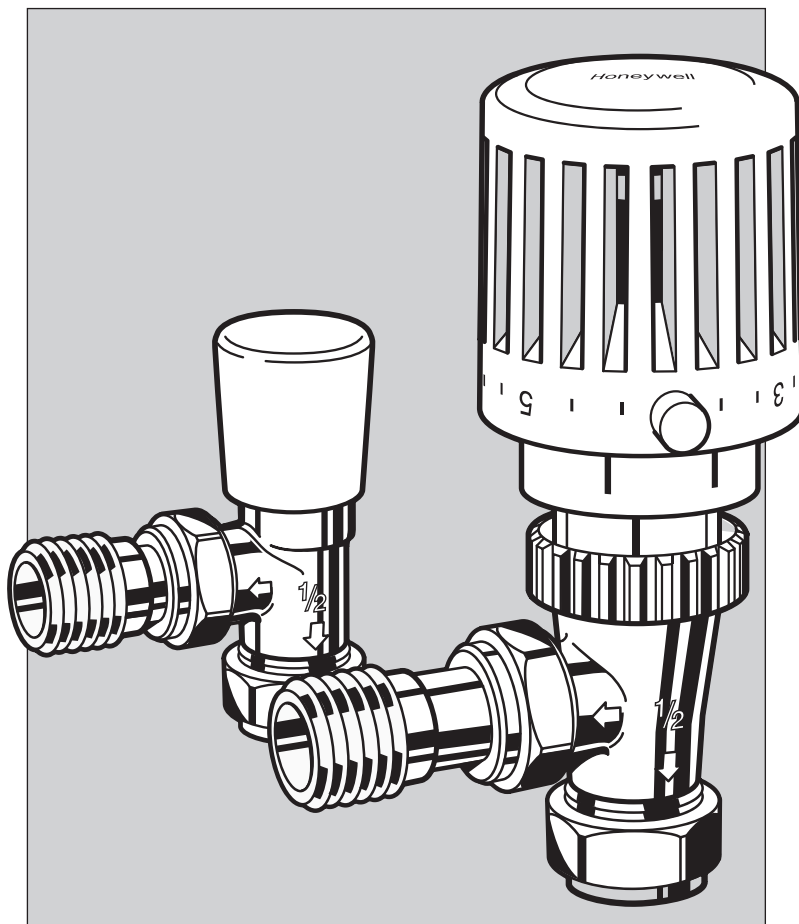
## VTL120

### FEATURES

- Thermostatic & Lockshield Radiator Valve in one box
- Wax sensor provides consistent and reliable performance
- Sensor head may be mounted vertically or horizontally by interchanging radiator tail and copper tube fittings
- Matching bi-directional valve bodies
- Energy saving button alerts user to economical setting for comfort
- VA8200A001 tool allows insert removal/replacement without draining down system

### OPTIONS

- 15mm and 8/10mm angled versions
- 15mm and 8/10mm straight versions
- Chrome/white models  
VTL220 and VTL320



### APPLICATION

The 'RadPlan' VTL120 is a matching TRV and lockshield valve set. The TRV regulates heat output and the lockshield valve limits water flow through individual radiators in wet central heating systems.

According to Building Regulations Part L1 TRV's should be fitted "on all radiators except in rooms with a room thermostat" to satisfy either Minimum or Best Practice installations. The valve can be mounted vertically or horizontally at either end of a radiator.

To work correctly, the VTL120 pack should be installed on radiators in two pipe heating systems and also have a free flow of air around the TRV head to sense temperature.

**NON-ELECTRIC CONTROLS**

**Honeywell**

## Installation

In order to function adequately, the **VTL120** TRV should not be installed in direct sunlight, or obscured by furniture, curtains etc.

Both valves can be fitted in any orientation with the flow through the body in either direction.

## Ordering Specification

### VTL120E - 015EG

Reverse flow TRV and matching lockshield valve. Angled bodies with 15mm connections and instructions

### VTL120E - 015AGBG

As above, but with 8 and 10mm connections

### VTL120D - 015EG

Reverse flow TRV and matching lockshield valve. Straight bodies with 15mm connections and instructions

### VTL120E - 015AGBG

As above, but with 8 or 10mm connections

### VA8200A001

Insert replacement tool for TRV and lockshield valve

Also available; **VTL220** (white/chrome) and **VTL 320** (all chrome) models in all sizes

## Specification

Maximum Working Pressure : 10 bar

Maximum Differential Pressure : 1.0 bar

Max. Differential Pressure to ensure quiet operation : 0.2 bar

Maximum Flow Temperature : 90°C

Closing Time : 20 minutes

Pipework Connection EG : 15mm compression fittings  
AGBG : 8 mm & 10mm compression fittings

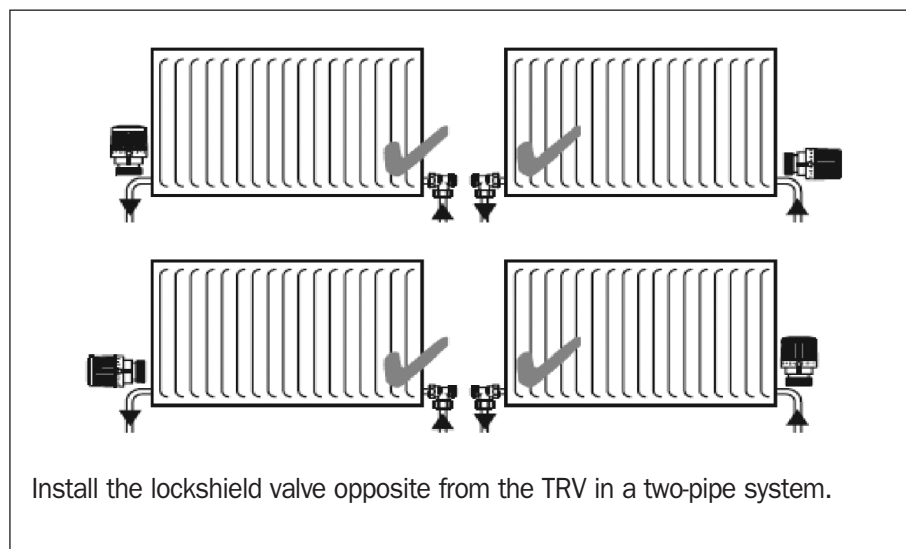
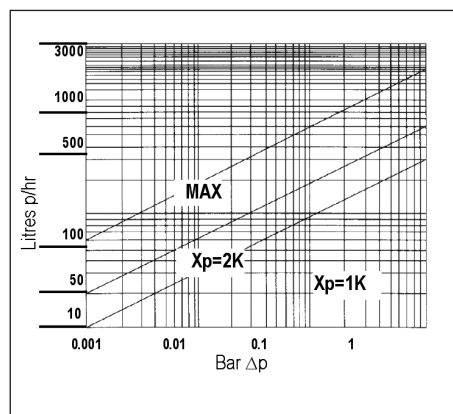
Approvals : CEN EN215

## Temperature Range (TRV)

Mounted on the radiator flow with head vertical

0	❄	1	2	3	4	5	6
Off	6°C Frost Protection	11°C	14°C	17°C	20°C	23°C	26°C

## Flow Rate Chart (TRV) only



Install the lockshield valve opposite from the TRV in a two-pipe system.