

## 86 series

Steam pilot operated pressure relief valve



### 86 Series - premium power valve

The 86 series pilot operated pressure relief valve has been developed to high temperature steam requirements. The valve design is based on the ASME B&PV Code Section VIII.

The design includes an anti-seizing capability to prevent galling or sticking of internal components. Thus there is no unexpected shutdown or unplanned maintenance. This helps to improve the cost of product ownership.

The valve can include an option for remote control (for lift assistance and control).

The non-flowing pilot has separated sensing and feeding entries. The sensing line remains with condensate and thus remains cool.

The valve includes a full nozzle and metallic seat surfaces. Thus the leakage risk is minimised and this allows continuous operation.

The main valve dome and DCM Pilot sealing is insured by metallic bellows. There is not any elastomer in the 86 series. Would the valve pump for any reason, the steam circulating through the pilot and main valve dome will not have any effect on the valve performance.

### Full metal POPRV

The 86 series is a full metal pilot operated pressure relief valve. It is dedicated to high temperature steam applications.

The 86 series is used on steam line. In Russia the regulation allows to use it on boiler.

### Features

- ASME B&PVC Section VIII compliant
- Pop pilot
- Standard dimensions for the inlet flange body (API Std 526)
- Full nozzle
- Metal seat
- Anti-seizing capabilities to prevent sticking
- Repeatable set pressure
- Hinged disc.

### Applications

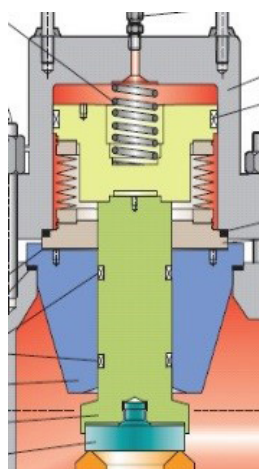
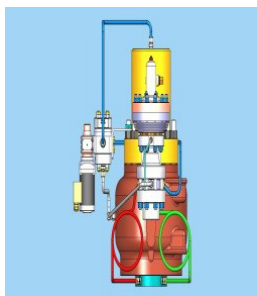
- Steam line
- Boiler in the Russian market

### Availability

- Body design based on the API Std 526 full nozzle spring load SRV and pilot operated PRV (quick delivery)
- Body casting from the Trillium foundry in one of the main European foundries (Portugal, France) based on the customer specifications.
- Valve produced and steam tested in France.

# 86 series

Steam pilot operated pressure relief valve



Top : 86 Series - Side  
Middle : 86 Series - Bottom  
Bottom : 86 series main valve internals

## Features

	VALUE
Pressure Class	<b>Class:</b> 150 to 2500
Body material	Low and high alloy steels (WCC/WC6/CF8M)
Inlet size	1" to 8"
Orifice	D to T
Operating Temperature (Continuous use)	Up to 550°C
Tightness	<b>% of Set P:</b> 95
Max. Expected Operating Pressure	<b>% of Set P:</b> 95
Special	Special arrangement for higher pressure or temperature

## Certifications (French plant and products)

ASME B16.34

PED 2014/68/UE (CE marking)

ATEX 94/9/EC

ISO 9001 - ISO 14001 - OHSAS 18001

EAC TR CU 010 - EAC TR CU 032 (Eurasian Economic Union)

Trillium Flow Technologies France SAS  
Rue Jean-Baptiste Grison  
ZI du bois Rigault  
62880 Vendin le vieil  
France

Tel: +33 (0)3 21 79 54 50  
Fax: +33 (0)3 21 28 62 00  
E-Mail: Sales.sarasinrsbd@trilliumflow.com