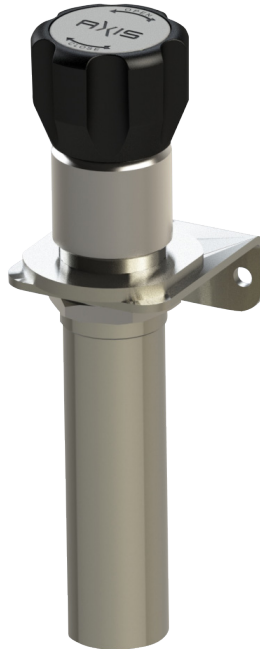


Direct Acting Pressure Reducing Valve

APRV1



APRV1

FEATURES

- » Economical
- » Compact construction
- » Completely mechanical design
- » Very Less maintenance
- » Easy for installation via clamp
- » Used in Steam & Water Analysis System

ADVANTAGES

- » Well-founded pressure reduction
- » Robust Design
- » Highly reliable in continuous operation
- » Corrosion resistive material
- » Ergonomic design eliminates possibility of bent tubes
- » Long life performance

DESCRIPTION

Authentic and long-term operation of SWAS depends upon the efficiency of sample conditioning components for which accurate pressure and flow control is most essential.

Main application of this product is chemical analysis of water and steam samples in modern Power Generation Plants.

Axis offers very reliable product for system designer where high pressure reduction with flow control is a major challenge.

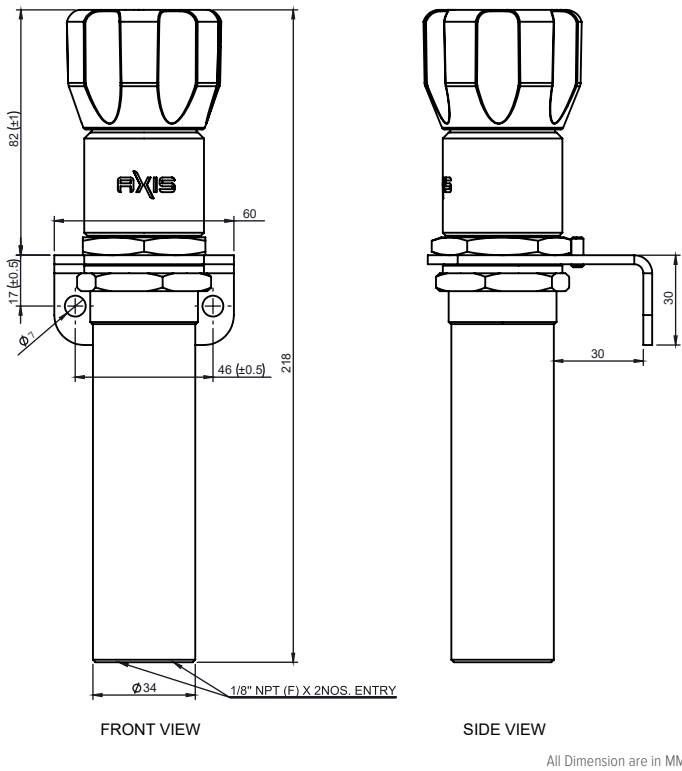
The flexible needle-in-chamber type design permits for adjustable pressure drop and flow control including ease of cleanliness. Both of these features provide long life of sample conditioning parts.

This reducer is specially designed for high pressure sample persisting above 35 bar and up to 350 bar. It develops fixed pressure drop and its adjustable using a knob on top.

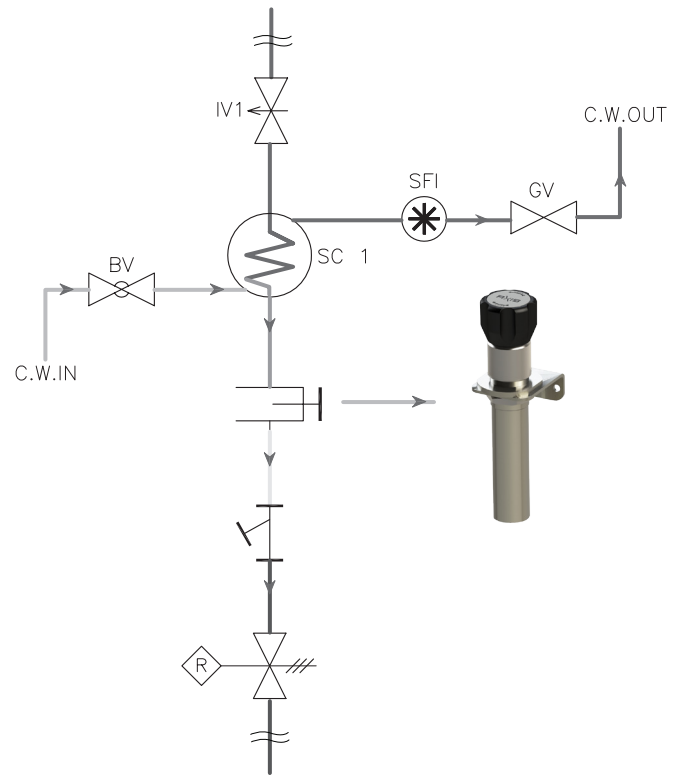
The APRV1 consists of two needles joined to a large chamber. This assembly provides precise insertion. The high pressure steam enters into APRV1, flow passes through one needle then turns towards the other needle and then out.

Pressure drop is proportionate to set pressure and till what extent a needle is inserted inside a chamber.

DIMENSION DETAILS



APPLICATION DIAGRAM



TECHNICAL SPECIFICATION

General	
Mounting	Vertical or Horizontal
Dimensions	Refer above dimension details
Sample	Steam or water
Material	SS 316
Weight	Approx. 1.5 Kg
Connections	
Sample Inlet	1/8" NPT (F)
Sample Outlet	1/8" NPT (F)
Functionality	
Media temperature	Max. 149°C
Ambient Temperature	0°C - 50°C
Pressure	Min. 35 bar & Max. 350 bar

PRODUCT

Description	Part No.	Quantity
Direct Acting Pressure Reducing Valve	APRV1	1 No.