

**Application**

To monitor traps on vapor lines, facilitating maintenance or replacement thereof.

The monitoring consists of:

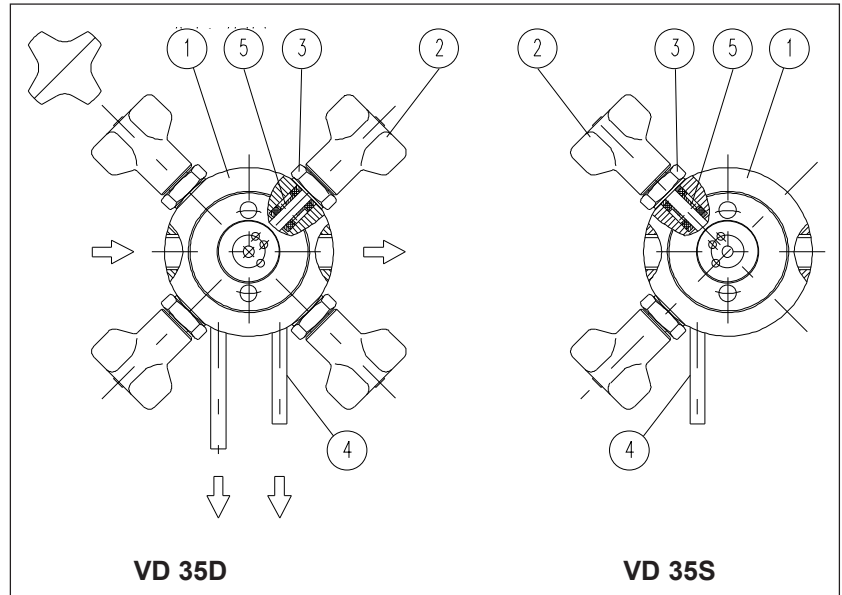
1. Restraining test, discharge of condensate to atmosphere upstream from the trap.
2. Leakage test, discharge of condensate to atmosphere downstream from the trap.

The distributor also allows blocking the line for maintenance and/or replacement of trap in addition to recovering the condensate to the return line in normal running.

**Description**

The flow distributor consists of a set of piston-type stop valves guaranteeing long life, simplified maintenance in addition to manual operation facility, even in high-pressure systems.

The body of the distributor is a single block and fully made of stainless steel, which saves space and increases life. The connection thereof to the system may be threaded or welded. The connection for installation of the trap is universal, which facilitates assembly and maintenance thereof, as well as the best position for operation.



**Main characteristics**

- Standard-type stop valves
- Single body in stainless steel
- Threaded or welded connection to the system
- Universal connection for installation of traps
- Easy to monitor the operation of traps

**Presentation**

The flow distributors are composed of a single body and stop valves. Model VD 35S is supplied with only two stop valves and threaded or welded connection to the system and is used to monitor upstream from the trap, whereas model VD 35D is supplied with four stop valves and threaded or welded connection to the system and is used to monitor upstream and downstream from the trap.

**Technical competence, materials and connections**

Model		VD 35S	VD 35D
ND	mm inches	15 1/2"	20 3/4"
Maximum operating pressure (bar man)		50	
Maximum corresponding temperature (°C)		435	
Materials	N°	Description	Specification
	1	Body	Stainless steel 316
	2	Handle	ASTMA395
	3	Castle	Stainless steel 316
	4	Drain pipe	Stainless steel 304
	5	Stem	Stainless steel 316
	6*	Gasket	Grafoil (Graphite) with stainless steel reinforcement: -50°C to 675°C.
7	Fastening bolt (2)	Stainless steel 304	
Connections	Threaded		BST ou NPT
	Welded		ANSI B 16.11

\* Recommended spare parts

## Installation

The distributor may be installed in any position since its connection to the trap is universal allowing its perfect functioning regardless of the position.

## Operation

The operation of the flow distributor is very simple and allows routine control of the performance of traps, since its monitoring is immediate and user friendly.

In the flooding test, the control is made upstream from the purge with one of the piston valves blocking the flow and the other one blocking the re-directing to the upstream drainpipe. In case there is any retention of condensate, this is discharged to the atmosphere through that drainpipe.

Similarly, in the leakage test, one of the piston valves blocks the flow and the other one blocks the maneuver to the downstream drainpipe. In case there is leakage of live vapor into the atmosphere through the downstream drainpipe, one can found that the trap has sealing problems.

## Standardized specification

Single universal flow distributor  
Model ASCA VD 35S  
Double universal flow distributor  
Model ASCA VD 35D  
According to leaflet PR-10.10.40-P  
Connections  
Pressure class

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