

SAMPLING VALVE

SINCE 20 YEARS

DEAD VOLUME FREE SAMPLING VALVE

TYPE 125 TC EASY CLEAN



APPLICATION

Sampling of chemicals (liquids, powders, pasteous) out of reactors, dryers, and pipes, under process conditions. Pressure up to 145psi (10bar) or vacuum, temperature up to 150°C (302° F)

ADVANTAGES

- Quick dismantling (without tools) for cleaning
- Compact dimensions
- Full safety for user and environment.
- No dead volumes

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TYPE 125 TC

patented

1. Technical description

Sampling Valve Type 125 TC

Sampling of chemicals out of reactors and pipes under vacuum or pressure.
(up to 10 bar and 150°C)

Body	Stainless Steel 1.4435 (316l), Hastelloy, Titanium, etc.
Piston	PTFE, reinforced with glassfibers (FDA)
O-Rings	Chemraz white, PTFE/EPDM (FDA)
With	- Bottle 150ml, glass pyrex covered in stainless steel and Tri clamp coupling - Purging valve 1/4"

2. Sampling free of dead volumes

Tightness by expansion of piston (Patented)

In closed position tightness is made by direct piston expansion on the inside walls of the valve, without O-Rings, packing or seats allowing a perfect tightness without dead volumes.

Several options and flexibility

Valve and Tri clamp dimensions can be adapted to your requirements.
Materials for body, piston, and O-Rings can be adapted to the product.

Options :

- Automatic sampling
- Sampling with mechanical or pneumatic safety device
- Special sampling bottles and accessories
- Crust breaking piston

Short deliveries. All spare parts on stock,

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TYPE 125 TC patented

4. Functioning

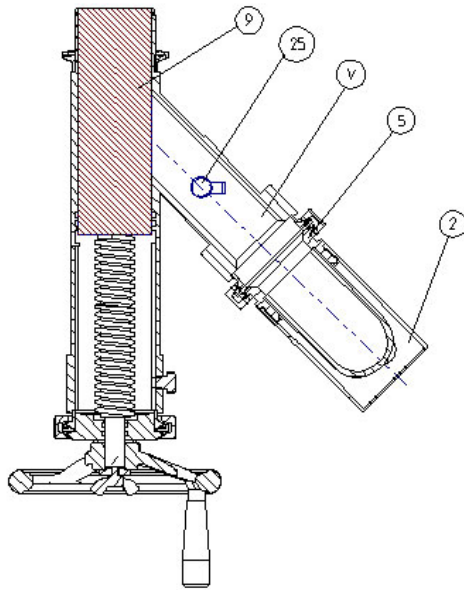


Fig.1

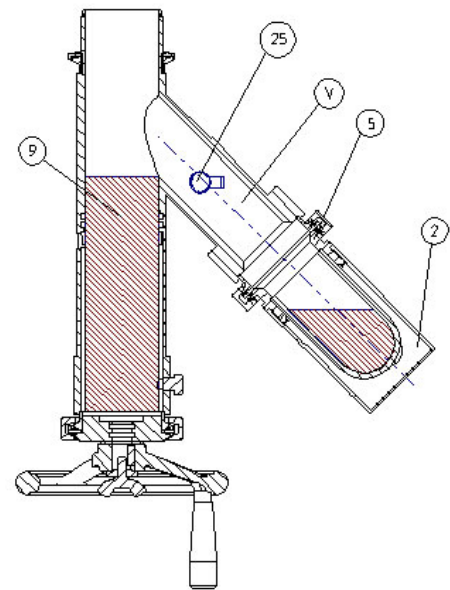


Fig.2

Normally closed position :

- The piston (9) closes the connection of the reactor or pipe without dead volume (Fig. 1). The perfect tightness is ensured by the expansion of the piston (9).

Sampling :

- The piston (9) is wheeled down to the opened position. The product flows down into the sampling bottle (2) (Fig. 2).
- The operator checks the desired quantity of product through the sight glass.
- The piston (9) is wheeled up, and expands when in closed position to ensure a perfect tightness (Fig. 1).
- The pressure (or vacuum) in chamber (V) is equilibrated by opening valve (25).
- The sampling bottle (2) can now be removed by the Tri clamp connection (5).

TYPE 125 TC patented

5. Mounting

In standard configuration the valve is delivered as shown below (Fig.3)

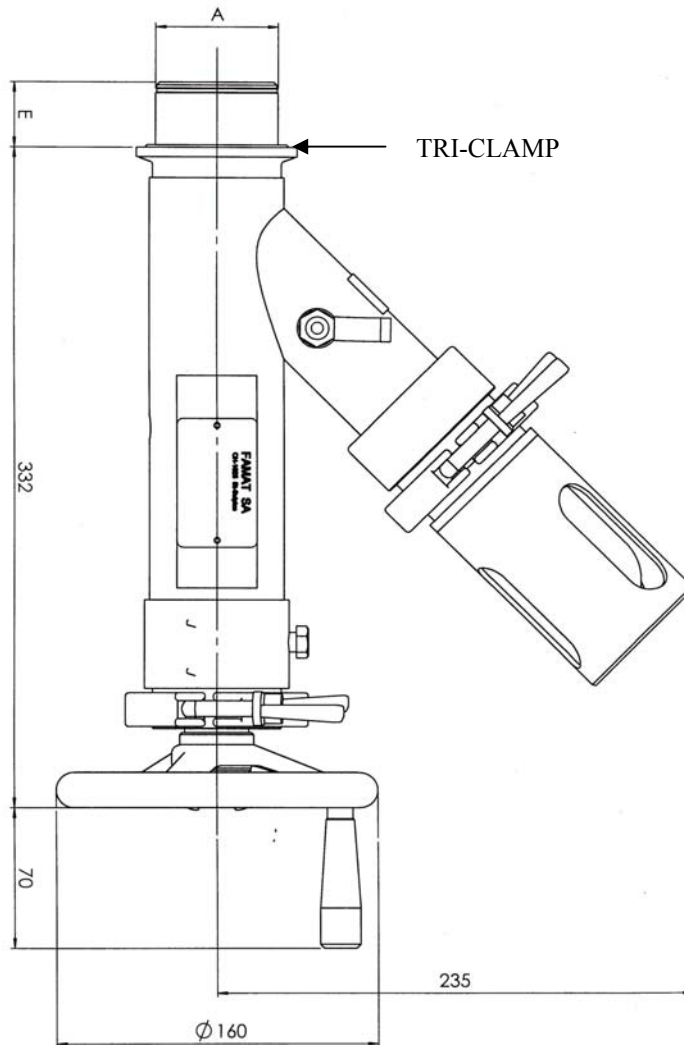


Fig. 3

	A	E
STANDARD DIMENSIONS	61 mm	48 mm

On request: The dimensions A and E can be adapted to your requirements (if possible join drawing with your enquiry).

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