

## Use

Safe extraction of the process medium for sample analysis.

Safe injection of fluids into the main process medium

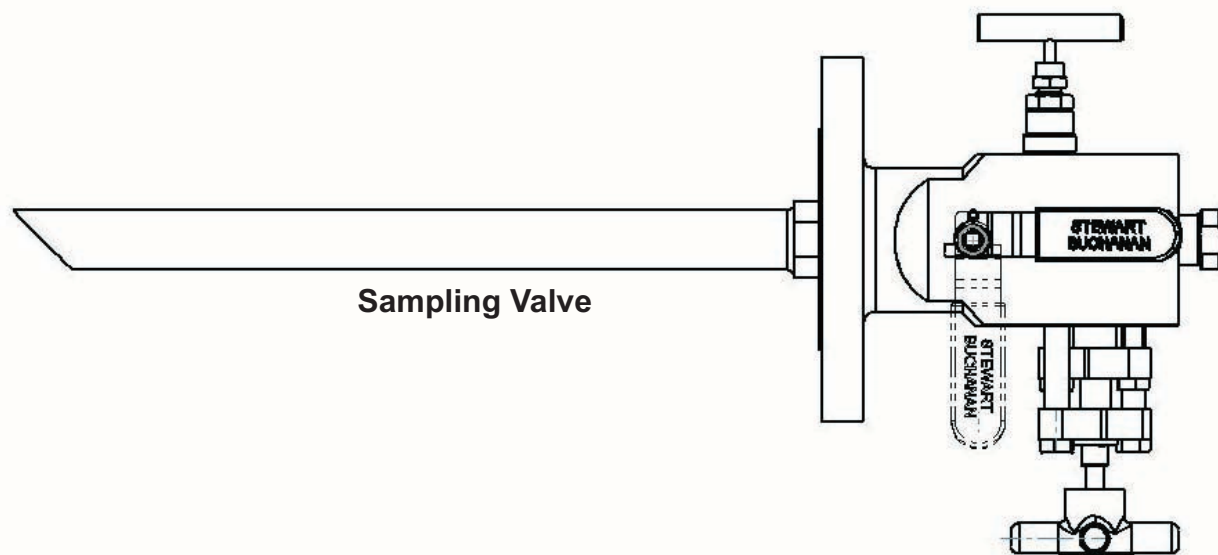
(These normally require an integral check valve)

## Key Features

- Injection - allows injection of chemicals onto the live process line.
- Sampling - allows direct sampling of the process line to be taken.
- One piece (forged body type 1) (billet type 2) eliminates potential leak paths.
- Orientation of nozzles can be specified to suit customer applications.
- Allows precise volumes to be injected / sampled.
- Complete traceability of materials.

## Variants

- Bodies available in other materials. 316 Stainless steel. Duplex. Inconel. (Others Available on request)
- Various flange connections available 1/2" to 2" . 150lb - 1500lb RF. (Others Available on request).
- Probe & Quill lengths to suit customer requirements
- Probe & Quill materials to suit customer requirements
- Several injection nozzles arrangements available



Safety, Quality, Reliability

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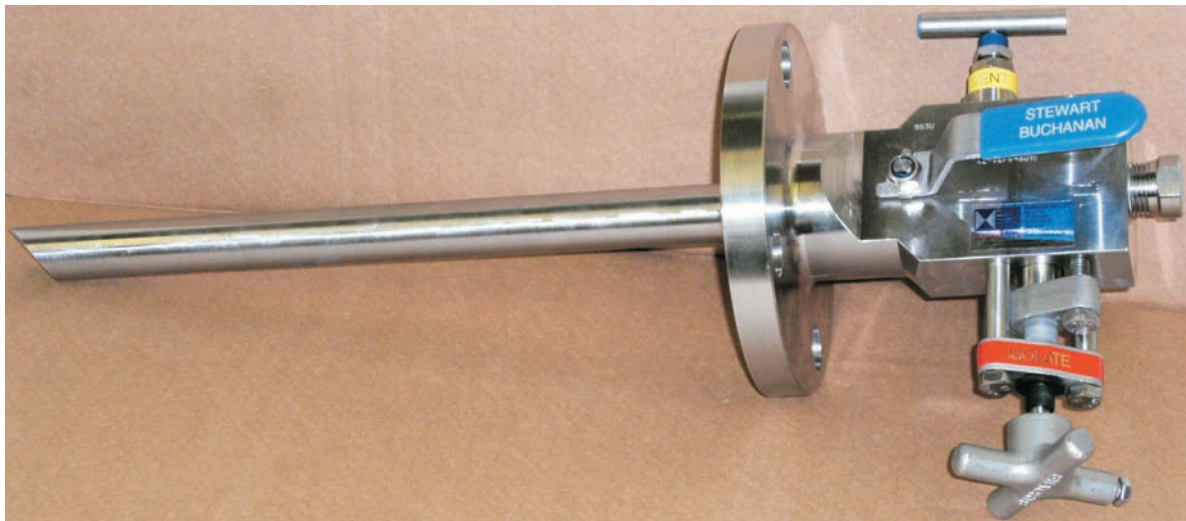
Web Site:- www.stewarts-group.com

## Primary Isolation Ball Valve / Standard Needle Vent Valve / OS&Y Sampling Valve

### Construction

One piece forged body eliminates potential leak paths.  
Quill / Probe screwed to base of valve.

A ball valve is used as the primary isolation valve.  
Outside Screw and Yoke (OS&Y) needle valve is used for the main sample valve to enable control of the flow.  
This can be supplied as a ball valve if preferred.  
The “quill” or “sampling probe” can be any sensible length and be cut and orientated in any direction according to the customers requirements.



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