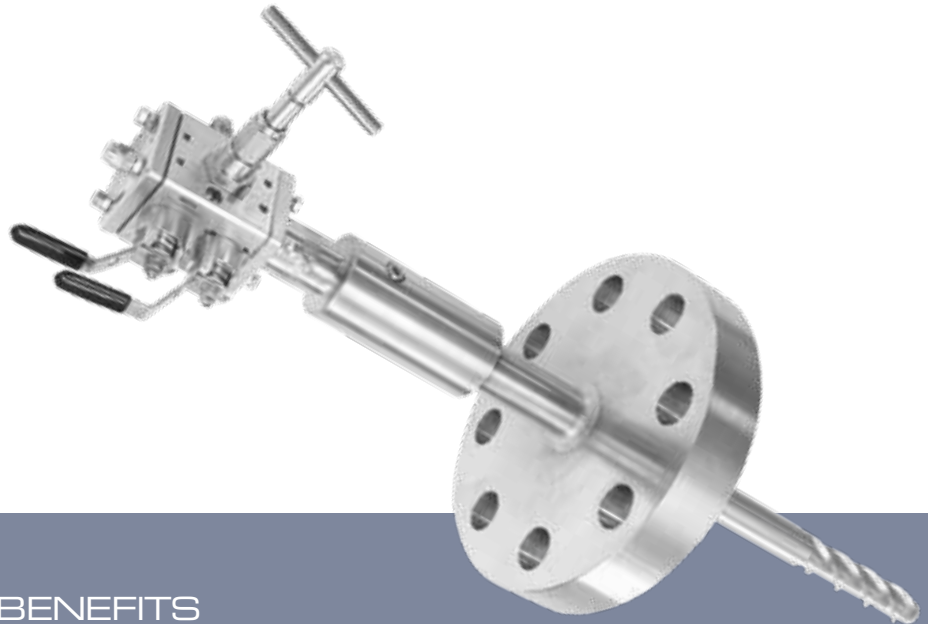
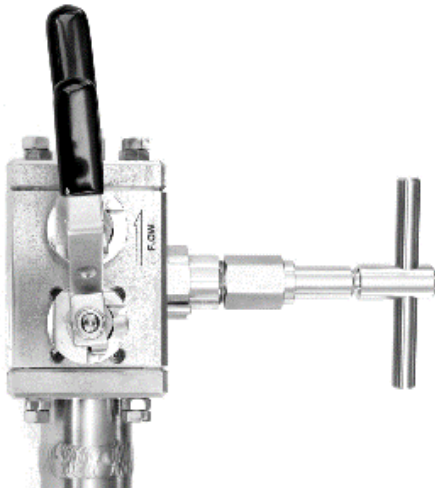




## VE Fixed Probe Process Double Block & Bleed



### DESCRIPTION

The process grade double block and bleed valve assembly continues the VE Technology® design philosophy of ultimate sampling performance and total process safety.

The patented design has been developed to meet even the most stringent plant or user specifications, whilst maintaining the essential features to deliver a representative sample.

Never before has truly effective sampling been possible when integrating a process double block and bleed valve due to the large bore, threaded or flanged connection, poor surface finish and dead legs.

The VE Technology® concepts have been continued to re-design the 'typical' DBB valve from scratch. The 2 mm ID is maintained from the probe tip to the valve outlet that allows seamless connection to 1/8" tube eliminating all changes in cross section. Flanged and threaded connections are eliminated from the sample pathway. Constant 2 mm ID throughout valve body and balls, with full electro-polishing throughout, not only ensuring a representative sample but significantly reduces operating torque on valve handles.

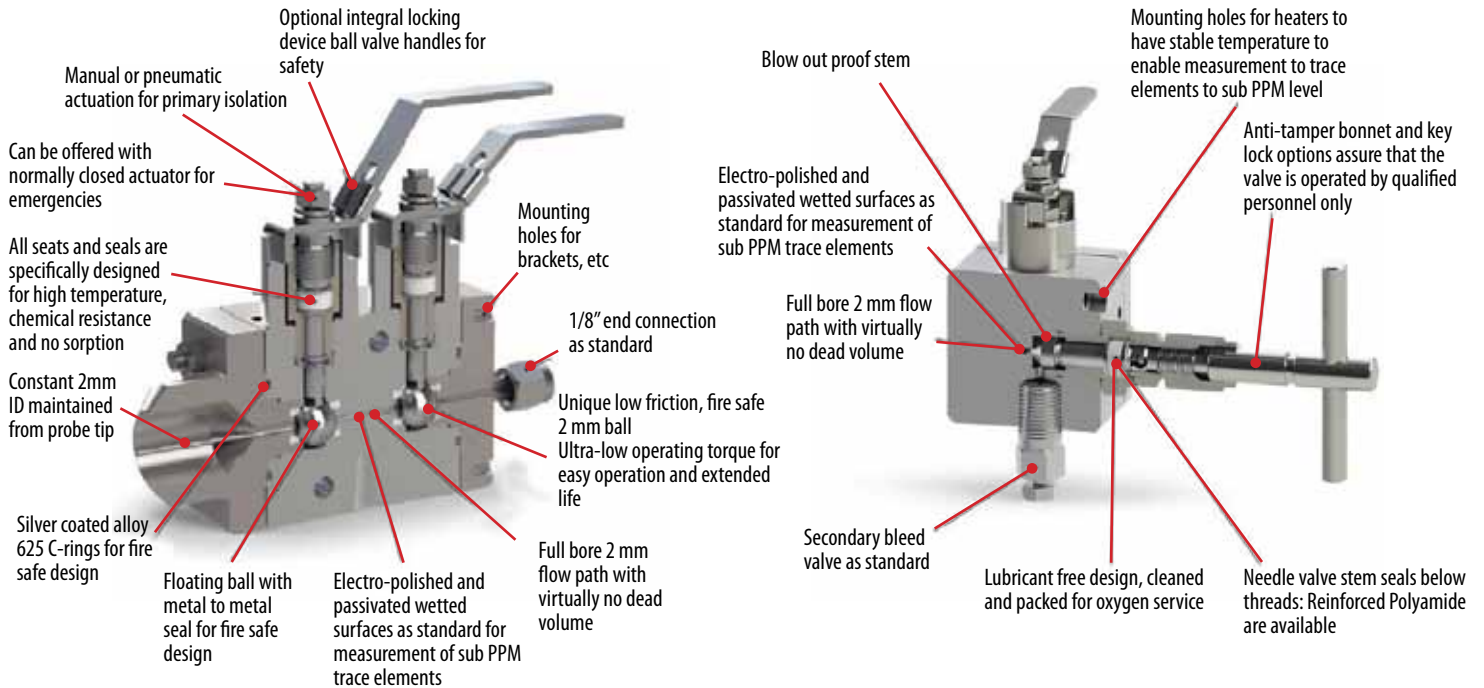
### BENEFITS

- Accuracy - Improve sampling performance over conventional methods, without compromising safety by using a purpose-designed-and-built DBB valve.
- Representative - Constant sample pathway cross section, no dead legs, no threaded connections. Electropolished internals throughout, minimising sorption and physical entrapment - option for Silconert® coating.
- Integrated into the probe structure.
- Built for strength, safety and durability.
- Full fire-safe approval.
- Integrated mounting points to accept VE Zone 0 (IEC, ATEX and CSA/UL/FM) heater (TDS XXX)- or alternative heater as required or for direct mounting of the VECU (TDS XXX).
- Low torque valve handle design - lockable.
- Available in a range of materials.

### FEATURES

- Fire safe API 607 & ISO 10497 certified
- Anti-static construction
- Full bore 2 mm flow path with virtually no dead volume
- Electro-polished and passivated wetted surfaces as standard
- Silicon coated wetted surfaces
- Working Temperature rating: -76 °F to 572 °F
- Pressure rating: up to class 2500
- NACE MR-0175 / MR-0103 compliant materials
- SS316L or Alloy 625 construction as standard
- NORSOK approved materials
- Super duplex, Alloy C-276 and other materials available by request
- Cleaned for oxygen services
- Manual or pneumatic actuation for primary isolation
- Integral locking device ball valve handles
- Anti-temper needle valve handle as standard
- Secondary bleed valve as standard
- Mounting holes for heaters or ancillary equipment

## VE Fixed Probe Process Double Block & Bleed



### SPECIFICATIONS

Materials	316 Stainless Steel, Inconel 625 as standard. Others by request 2 mm I.D electro-polished stainless steel sample pathway SilcoNert coating available on request EN 10204 3.1 Material certificates included as standard, others by request NACE available by request NORSOK and TR2000 approved, others by request
Design Code	ASME B16.34 According to NORSOK and TR2000 specification
Fire Test	API 607, API 6F, ISO 10497
Operating Conditions	Pressure Class - ANSI 600# (extended 2500# as option) Permissible operating temperature (ambient and/or process) -60°C to 300°C (-76°F to 572°F) – extended temperatures available as an option
Process Connections	Integrated as part of VE Technology® sample probe. Flanged, NPT, others by request
Security	Handle locks provided