

VE Valve Canister

VEVC

DESCRIPTION

The VE Valve Canister is a double block & bleed valve arrangement that can be mounted directly on to the head of a VE probe. A constant 2mm ID throughout the VEVC and associated VE Sample probe (fixed or retractable) not only delivers fast and accurate samples, but the integrated back flush port allows you to clean out your sample probe in-situ and at full line pressure.

The VEVC also includes a validation port at the head of the probe to allow a validation gas to be introduced into the sample system. An important function used to validate that the sample system has not become contaminated.



BENEFITS

- Designed for integration, the VEVC has been designed specifically to integrate onto the head of the VE Technology® probe (fixed or retractable) and match the external profile of the retractable probe to form a complete product and offer minimal wind loading. The VEVC is also designed to allow the VEVCU to be fixed directly on top. By close coupling the VEVCU, sample lag time is significantly reduced and civil works are eliminated.
- Plenty of room to maneuver, the large hinged doors make it very easy to access the internals of a valve canister, promoting quick and easy operation and maintenance of the VEVC and associated VE Technology® sample probe and VEVCU.
- Back flush facility, provides the capability to clean out your sample pathway all the way to probe tip, in situ and at full line pressure.
- Validation port, offers the functionality to validate the sample system. A gas with a known composition can be introduced into the sample system at the head of the probe to validate the entire system and ensure your analyzed sample is representative of the source gas.
- A constant 2mm ID throughout the entire VEVC assembly eliminates any dead legs, threaded connections or flow disturbance. Constant ID combined with electropolished surfaces delivers the most accurate and responsive sample system.

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SPECIFICATIONS

Dimensions	Height – 320mm, Diameter – 102mm Weight – 3.5kg
Climatic Conditions	Permissible ambient temperature: -50 °C to + 148 °C
Safety	Certification - Material certificates for the pressure retaining parts are available to BS EN 10204 3.1B by request at time of enquiry for which a charge will be made Testing - Assembly pressure tested at 150 Bar g, leak tested at 100 Bar g as standard
Sample Conditions	Permissible pipeline pressure – up to 172 Bar g (extended ranges available)
Materials	Wetted by sample - 316L stainless steel Housing - 304 or 316 Stainless Steel Sampling tube - 1/8" O.D. x 0.020" W.T. (Approximately 2mm ID) Stainless Steel tube ASTM A269 316L, electropolished as standard (SilcoNert® coated by request)
Mounting	Integrated onto VE Technology Sample Probe and VECU Integrated onto VE Technology sample probe with high pressure sample outlet
Installation Requirements	User instructions - See IOM 003 – VEVC for installation, operation and removal instructions

* For alternative DBB solutions, please see TDS 004 Annex 1 (instrument) & Annex 2 (process/fire safe)