



## **ZERO LEAKAGE VALVE SOLUTIONS**

Dual Expanding Plug Valve | Double Block & Bleed | Double Isolation

Your operations are busy, multifaceted and demand a lot of attention. Risks like loss of product, cross contamination, and downtime can be very costly.

The Solution - VE®'s Dual Expanding Plug Valve.

Valve Enterprises is dedicated to providing innovative design, manufacture and service of high integrity Double Block & Bleed Expanding Plug Valves. VE® is ISO 9001 licensed, PED/CE Certified and API 6D approved. With a proven track record and wide acceptance across industries, it's easy to see why VE® is the clear choice.

## MARKETS & APPLICATIONS

The VE® Dual Expanding Plug Valve was designed for complex applications and environments. It is the premier choice for high integrity block and bleed service required for:

- Offshore Platforms (Metering Systems)
- Floating Production Storage & Offloading (Metering Systems)
- Fuel Loading & Unloading (Manifolds)
- Storage Terminals (Manifolds & Metering Systems)
- Naval & Aviation Fueling Facilities
- Refineries & Chemical Plants

## DESIGN SPECIFICATIONS

- **General Design:** API 599, API 6D
- **Face to Face:** ANSI B16.10, API 6D
- **Flanged Ends:** ANSI B16.5, EN-1092-1
- **Double Block & Bleed/Double Isolation Design:** API 6D/ISO 14313
- **Standard Execution:** ISO 9001:08, PED 97/23/EC, ATEX 94/9/EC (CAT II 3 G/D T1 to T4)
- **Materials:** API 6D, ASME B16.34, EN 1092-1, PED 97/23/EC
- **Markings:** PED 97/23/EC, API 6D, MSS-SP-25
- **Testing:** API 6D, API 598, EN-12266-1/EN-12266-2, BS 6755 Part 1
- **Fugitive Emission Certified:** ISO 15848-1 2006 Annex B
- **Fire Safe Certified:** ANSI/API Standard 607, Fifth Edition-2005 and ISO 10497-2010





## BENEFITS

The VE® Dual Expanding Plug Valve was developed to replace the practice of using two in-line valves with a drain and/or bleed valve. Traditional gate valves and other valve combinations degrade overtime and result in loss of product and require frequent maintenance. The special design of the dual expanding plug valve's sealing mechanism minimizes wear, providing a long lasting and safe, zero leakage flow control solution.

Available in several different bleed system configurations in conjunction with a pressure relief device, this all-in-one valve not only meets API 6D requirements, but also provides a space saving, reliable, and economical solution.

## VERSATILITY

- Sizes 2" to 36"; ASME Class 150 through 600
- Reduced Bore and Full Bore
- Multiple seal materials are available including HNBR, Viton® A/B/GF, and Multi-Seal ERT
- Several pressure relief and bleed systems designs according to API 6D requirements
- Very short installation space required
- Only a single actuator required to operate the valve; complete actuation packages available

## RELIABILITY

- Creates a dual positive, bubble tight seal on both sides of the pipeline for a zero leakage solution
- Sealing integrity of the valve can be verified at any time
- Operates as a multi-turn valve and is friction free
- Valve is completely bi-directional
- API 6D and TA-LUFT Fugitive Emissions Certified
- Fire Safe Certified

## INNOVATION

- Specially designed lower trunnion prevents accumulation of debris in lower valve body
- Easy in-line maintenance in case of seal replacement
- Resilient seats are vulcanized and given a tear test sample
- Enhanced corrosion resistance



## ENGINEERED VALVE SOLUTIONS

Quantum Supply Limited is the exclusive distributor of VE® valves in the Canada. We have partnered with many of the largest and most successful valve and actuator manufacturers in the world and these relationships allow us to competently and competitively provide the valve/actuator/accessory packages that you require.

Valve solutions include API 6D Monogrammed Ball Valves, Through Conduit Gate Valves (both slab and expanding), Through Conduit Check Valves and API 600 Gate, Globe and Check Valves - all of which can be combined with electric, pneumatic, hydraulic actuators and automation accessories.

Taking it one step further, QSL is able to bundle products they represent with those we don't and as a result provide complete, fully customized flow control solutions.



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