

Fugitive Emissions

What are Fugitive Emissions?

Fugitive Emissions are emissions of gases or vapors from pressurized equipment due to leaks and various other unintended or irregular releases of gases, mostly from industrial activities. As well as the economic cost of lost commodities, fugitive emissions contribute to air pollution and suspected climate change.

How do we rank?

Western Valve has received a verifiable zero leak rate Fugitive Emission Test Report performed by Yarmouth Research and Technology for 2009.

What does all this mean for our Customers?

Our customers are being provided with the highest standard in valves on the market today. While other companies are having to explore and invest in sealing technologies and solutions to prevent leaking on existing valves, Western Valve has been providing a superior product since 2000.

Recycling - Almost 100% of all steel used in DAN-EX valves is recycled or recyclable material.

Western Valve also remanufactures valves to their original specifications, which can help reduce overall costs to the customer.

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WESTERN VALVE

DAN-EX
Dual Expanding Plug Valve

**Zero Fugitive
Emission
Dual Expanding
Plug Valve**

ecofriendly
double block and bleed valves

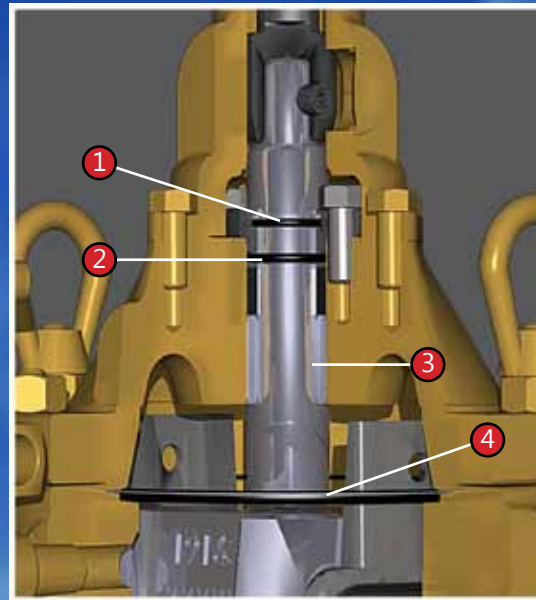
How do Fugitive Emissions Affect Our Customers?

Globally, there are several organizations working to put into place rules and regulations to help reduce Fugitive Emissions, (EPA, ESA, TA-Luft, etc). Existing valves may need to be retrofitted with a bellows or equivalent sealing system, creating added expense, maintenance, and potential downtime.

Western Valve manufactures the DAN-EX Dual Expanding Plug Valve (double block and bleed) valve that is efficient, reliable and clean, making it possible for our customers to remain operational, meet international emissions criteria, and have a positive impact on the quality of the environment.

Making a Difference

Western Valve is here to help you succeed. We recognize the need for a valve that allows you to maximize your resources, while at the same time minimizing your impact on the environment. That balancing act has been achieved with our DAN-EX Double Block and Bleed valves. Zero Fugitive Emissions valves are just one less thing you have to worry about.



1. Rubber O-ring - The main o-ring provides an excellent seal around the stem during normal operation.

2. Backup O-ring - The backup o-ring is used to prevent a leak under extreme pressure. Backup o-rings, while not a seal themselves; are used in conjunction to the primary seal o-ring.

3. Valve Stem Packing - is used to prevent Fugitive Emissions release. This is a vast improvement over other sealing technologies.

4. Grafoil Seal - Grafoil is a flexible material engineered for critical sealing applications. The DAN-EX valve sealing system incorporates a Grafoil seal for superior sealing in almost any condition.

How do Fugitive Emissions Affect Your Business?

- Uncontrolled release of gas or industrial product into the environment (pollution, cleanup, fines, etc.)
- Downtime and lost production time – the downtime, labor, materials costs and lost production time over the life of the valves should be a major factor in the purchase along with other operating performance factors.
- Safety – Fugitive Emissions present other risks and hazards. Emissions of volatile organic compounds such as benzene from oil refineries and chemical plants pose a long-term health risk to workers and communities. In situations where large amounts of flammable liquids and/or gases are contained under pressure, leaks also increase the risk of fire and explosion.

Fire Safe Design - The DAN-EX 3" and up Class 150 and 300 valve has been fire tested in accordance with ISO 10497:2004(E) and conformed to the temperature, duration and pressure requirements of the specifications.

DAN-EX
Dual Expanding Plug Valve