

VENT-O-MAT SERIES RGX "ANTI-SURGE" SEWAGE AIR RELEASE & VACUUM BREAK VALVES



An operating concept proven unsurpassed for Air/Gas release, vacuum protection and surge alleviation!

Conventional sewage air valves are presented with major functional problems when operating on sewage and effluent pipelines transporting solids and other viscous substances. In fact, solids fats and oils quickly act to jam up standard air valves and render them useless, consequently unhygienic leaks threaten health and the ecosystem.

VENT-O-MAT Series RGX sewage air valves are a unique operating concept that has proven unsurpassed for air/gas release, vacuum protection and surge alleviation. The Series RGX valve is maintenance free and constructed in corrosion and erosion resistant materials for dependable and lasting pipeline protection.

Advantages of VENT-O-MAT RGX "Anti-Surge" Air Release & Vacuum Break Valves Are:

- **Vacuum Protection**

Large orifice diameters equal the nominal size of the valve to ensure the least possible resistance to the intake of air and consequently the least possible negative pressure within a draining pipeline.

- **Discharge Performance**

Effective pipeline de-aeration is ensured, regardless of pipeline flow conditions, via either one of three discharge orifices.

- **Surge Protection**

VENT-O-MAT Series RGX is the only sewage air valve available that is supplied as standard with an integral surge alleviating device to automatically dampen surge pressures in pipelines.

- **Performance**

All selection data has been substantiated by third party testing and can therefore be confidently referenced.

- **Quality**

VENT-O-MAT series RGX economically offers the highest quality construction and materials Available. Standard construction material is grade 304 Stainless steel or 316 on request.

- **Sizes & Pressure ratings**

DN50 (2") to DN300 (12") - PN10 (150psi), PN16 (232psi) and PN25 (363psi).



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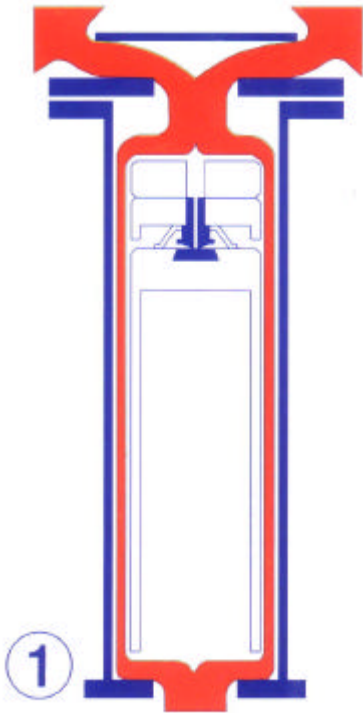
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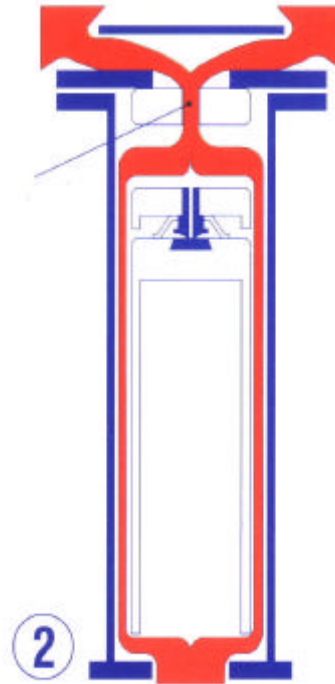


PRINCIPAL OF OPERATION

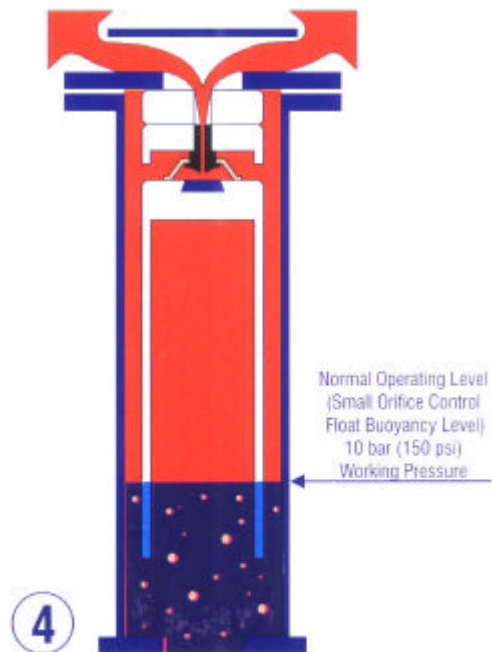
Air: 



1
PIPELINE FILLING
(SUB CRITICAL SEWAGE/ EFFLUENT
APPROACH VELOCITY)



2
PIPELINE FILLING
(EXCESSIVE SEWAGE/ EFFLUENT
APPROACH VELOCITY)



4
PRESSURIZED AIR/GAS RELEASE
PIPELINE OPERATING

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