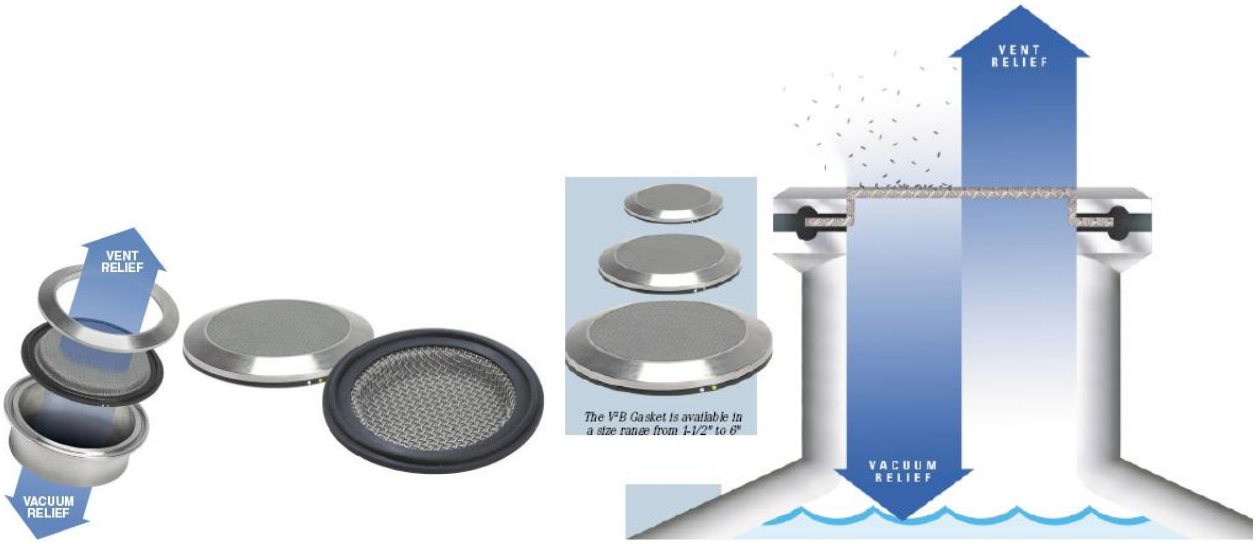
V2B Gaskets



The Rubber Fab V2B Gasket offers an additional answer for vacuum and pressure relief for pharmaceutical, food and beverage processing tank venting when airborne particulate removal is required. Using a 200 mesh screen combined with a 14 mesh screen of scintered construction, Rubber Fab has created a cost effective alternative to expensive vacuum breakers and venting systems.

V2B Gasket: The Vent and Vacuum Breaker Gasket

The V2B System is attached/connected using a standard sanitary clamp to a sanitary tank port, the same way a standard vacuum breaker in installed. Installation can be horizontal, vertical or in single or multiple port configurations (i.e. manifolds) without special fabrication or expensive tooling. The V2B screen will fit perfectly into the ID of a sanitary pipe and can be used for inflow fluid conditioning filtration.

Providing Air Flow without Contamination

A key benefit of the V2B Gasket is it's prevention from most atmospheric and environmental contamination customarily found with other venting systems. Because the V2B Gasket can provide unrestricted air flow with ultra fine filtration, you can feel secure in knowing the hygenic condition of the tank contents remain protected. With regular cleaning and maintenance, the V2B Gasket is a cost effective and incredibly simple way to provide contaminate free air flow to any tank system.

V2B Gasket

- Sizes Available: 1-1/2" – 6"
- **Removes atmospheric and environmental particulates**
- Easy to maintain
- Easy to install
- 316 stainless steel construction
- V2B works as both a **vacuum breaker and venting system**
- Materials of construction are both **lot and batch certifiable**
- Elastomers available: Platinum silicone, FKM fluoroelastomer and EPDM
- All V2B gaskets are **removable and replaceable**
- Minimizes need for pre-air filters

Meets High Pharmaceutical Standards

- U.S. Pharmacopeia Class VI Certification
- Cytotoxicity Criteria
- Title 21 CFR 177.2600
- USDA Sanitary Standards
- Good Manufacturing Practices (GMP)

V²B Gasket Flow Rate: **Air**

Line Size			CFM per unit
1.5"	1.26 x 6.45* =	8.13 x .51** =	4.15
2"	2.46 x 6.45 =	15.87 x .51 =	1.52
2.5"	4.04 x 6.45 =	26.06 x .51 =	1.52
3"	6.02 x 6.45 =	38.83 x .51 =	1.52
4"	10.92 x 6.45 =	70.83 x .51 =	1.52
6"	25.34 x 6.45 =	163.44 x .51 =	1.52

* Flow rate through 200 mesh .0021 wire diameter is 930 CFM. When divided by 144, equals 6.45 CFM per square inch.

**% open area of 14 mesh .020 wire diameter.

V²B Gasket Flow Rate: **Water**

Line Size			GPM per unit
1.5"	1.26 x 16* =	20.16 x .51** =	10.28
2"	2.46 x 16 =	39.36 x .51 =	20.07
2.5"	4.04 x 16 =	64.64 x .51 =	32.97
3"	6.02 x 16 =	96.48 x .51 =	49.20
4"	10.92 x 16 =	174.88 x .51 =	89.19
6"	25.34 x 16 =	405.44 x .51 =	206.77

* Flow rate of water through 200 mesh .0021 wire diameter is 16 GPM per square inch.

**% open area of 14 mesh .020 wire diameter.

V²B Gasket: **Open Area**

Line Size			Open Area sq/in
1.5"	1.27 x 1.27 =	1.61 x .7854* =	1.26
2"	1.77 x 1.77 =	3.13 x 7854 =	2.46
2.5"	2.27 x 2.27 =	5.15 x 7854 =	4.04
3"	2.77 x 2.77 =	7.67 x 7854 =	6.02
4"	3.73 x 3.73 =	13.91 x 7854 =	10.92
6"	5.68 x 5.68 =	32.26 x 7854 =	25.34

Please consult factory for CFM/GPM calculations on additional sizes.