

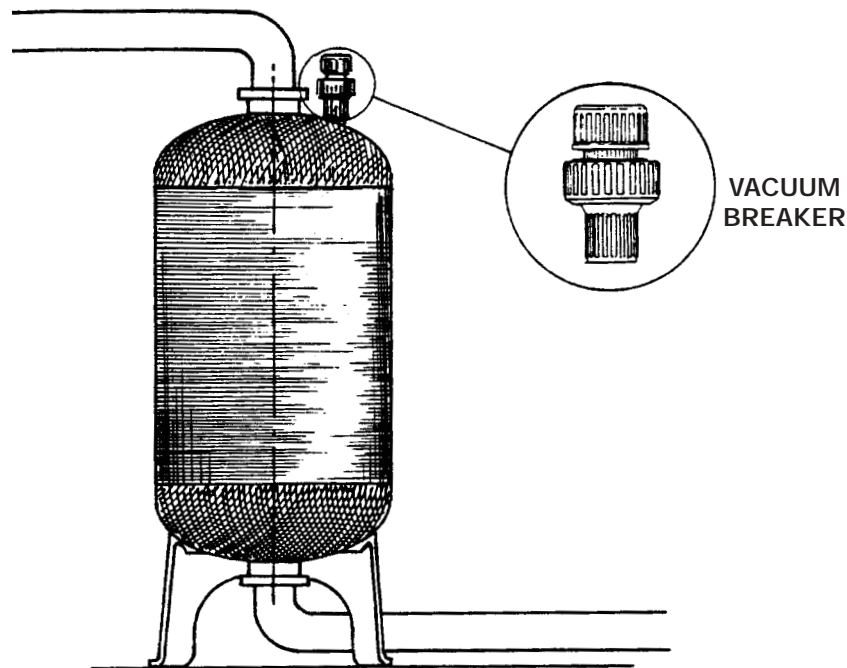
MARKET Pressure Vessels

PRODUCT(S) Vacuum Breaker – Series VB100 in All Materials

REQUIREMENT To prevent tank lining separation from fiberglass shell.

PROCESS FLUID(S) End-user Specified – Various Chemicals.

INLET PRESSURE/TEMPERATURE Up to 150 PSI Positive Pressure / Ambient Temperatures
Up to 10" Hg Negative Pressure (Vacuum)



A tank manufacturer was having a problem with lining separation on their tanks which range from 61 to 247 gallons. The lining materials were polyethylene, polypropylene, PVDF Kynar®, or ECTFE Halar®. The separation was due to excessive vacuum caused during the drainage

cycle. To prevent this, it is recommended that a Vacuum Breaker be installed at the top of each vessel. It will sense the negative pressure (vacuum), open and allow ambient air to enter the vessel, thereby equalizing the pressure and prevent lining separation.

NOTE: Bulletins are intended only to show possible applications of Plast-O-Matic products and are not design recommendations for a system or its safety. See statement of limitations in front of manual.