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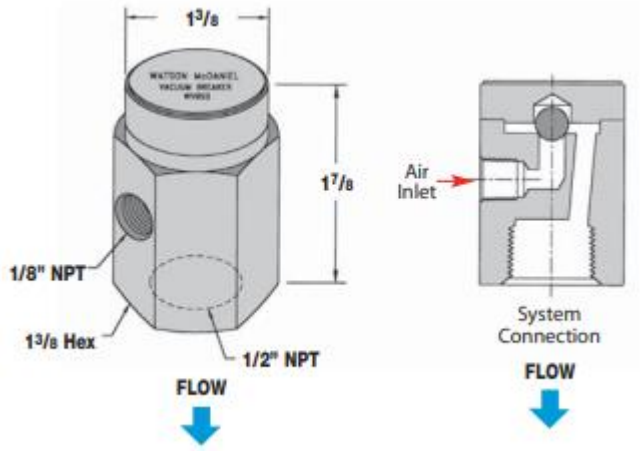
Series WVBSS – Vacuum Breaker - Installation, Operation, & Maintenance Instructions



Installation:

1. Always install in a vertical position with cap at top.
2. Generally, the device should be mounted at the highest point in the system.
3. Large coils or equipment may require more than one vacuum breaker.

Note: The vacuum breaker is non-repairable

Typical Applications:

1. The WVBSS Vacuum Breaker is used on heat exchangers, air coils, jacketed kettles, pressing machines, boiler feed water tanks, sparge systems, water lines, or anywhere else an unwanted vacuum may occur.
2. The WVBSS allows air to enter the steam or liquid system to "break the vacuum" caused by the condensing of steam or draining of liquid from a system.
3. The elimination of vacuum is necessary to allow proper drainage of liquid from process systems.

Materials:

Body	Stainless Steel, Series 300
Ball	Hardened Stainless Steel
Name plate	Stainless Steel, Series 300

MAX. Operating Conditions:

Stainless Steel	PMO	300 PSIG
	TMO	752°F
	PMA	300 PSIG up to 752°F
	TMA	752°F @ 300 PSIG

Operation

1. The Vacuum Breaker functions like a simple check valve.
2. Outside air is allowed to enter the system through the air inlet. However, when steam or water try to escape, the vacuum breaker closes off tightly.
3. Designed to admit air to condensing vapor (steam) or liquid systems where vacuum formation may inhibit system drainage or operation.

Note: All stainless steel construction, and it's small and compact. Unit must be installed in a vertical position and should be placed at the highest point in the system.

FOR FURTHER RESOURCES & ASSISTANCE USE THE FOLLOWING QR CODE, CALL (610)-495-5131, OR VISIT www.watsonmcdaniel.com.