

INSTRUCTIONS – INSTALLATION AND START-UP FOR TYPE 96A VACUUM BREAKER

The intent of these instructions is to acquaint the user with the storage, installation and operation of this product. **Please read these instructions carefully before installation.**

WARNING

Removal of the seal wires in an attempt to adjust and/or repair this product by unauthorized or unqualified persons voids the product warranty and may cause damage to equipment and serious injury or death to persons.

The product is a safety related component intended for use in critical applications. The improper application, installation or maintenance of the product or the use of parts or components not manufactured by Anderson Greenwood Crosby may result in a failure of the product.

Any installation, maintenance, adjustment, test, etc. performed on the Product must be done in accordance with the requirements of all applicable Anderson Greenwood Crosby Procedures and Instructions as well as applicable National and International Codes and Standards.

SAFETY PRECAUTIONS

Always wear proper safety gear to protect head, eyes, ears, etc. anytime you are near pressurized valves.

Never attempt to remove the pressure relief valve from a system that is pressurized.

Never make adjustments to or perform maintenance on the pressure relief valve while in service unless the valve is isolated from the system pressure. If not properly isolated from the system pressure, the pressure relief valve may inadvertently open resulting in serious injury.

Remove the pressure relief valve prior to performing any pressure testing of the system.

The safety of lives and property often depends on the proper operation of the pressure relief valve. The valve must be maintained according to appropriate instructions and must be periodically tested and reconditioned to ensure correct function.

STORAGE AND HANDLING

Pressure relief valve performance may be adversely affected if the valve is stored for an extended period without proper protection. Rough handling and dirt may damage, deform, or cause misalignment of valve parts and may alter the pressure setting and adversely affect valve performance and seat tightness. It is recommended that the valve be stored in the original shipping container in a warehouse or as a minimum on a dry surface with a protective covering until installation. Inlet and outlet protectors should remain in place until the valve is ready to be installed in the system.

**INSTALLATION AND START-UP INSTRUCTIONS
TYPE 96A VACUUM BREAKER**

Flange Bolt Torque
for Aluminum Bodies

<u>Size</u>	<u>Ft-Lb</u> <u>Max</u>	<u>KG-M</u> <u>Max</u>
4"	18	2.49
6"	32	4.43
8"	32	4.43
12"	51	7.05

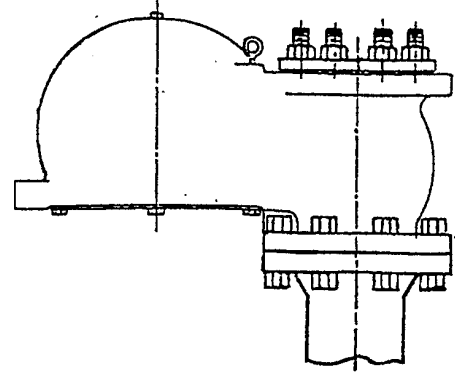


Figure 1
Type 96A Illustrated

1. Principle of Operation

The AGCO Type 96A vacuum breaker is a weighted pallet vent for vacuum relief.

2. Connections

Inlet connections are standard ANSI flanges. The vent should be mounted in an upright position as shown in Figure 1.

The inlet piping should meet the general requirements set forth in the American Petroleum Institute Recommended Practice 520, Part II.

This document recommended inlet piping pressure losses not to exceed 3% of the set pressure. The vent shall be properly supported to withstand system vibrations.

3. Preinstallation Handling

Dirt can be damaging and cause the vent to become inoperative. Vents which are not installed immediately should have the inlet and outlet connections closed off. All vents should be handled with care and not subject to heavy shocks.

4. Installation

The inlet screen is covered and the pallet is secured to the cover with lockwire to prevent damage in shipment.

Remove the inlet cover and wire.

Install vent.

5. Pressurizing the Vent

There must be pressure at the vent to establish a differential force across the moving member and "load" it in the closed position. On normal start-up the vent loads itself without incident as pressure increases.

6. Use of Block Valves Under the Vent

Block valves are often used under safety vents to isolate them when maintenance is required. When putting the vent in service, be sure the block valve is fully open.

7. Other Uses of a Safety Vent

A safety vent should be used only to protect a system from vacuum during a vacuum upset. It should not be used as a control valve that is required to operate continuously. It should not be used as a pipe fitting or transmission piece in a piping system.

8. Maintenance

Maintenance should be performed on a regular basis. Depending on service conditions, an inspection/maintenance on an annual basis is the recommended maximum time interval.

Maintenance manuals for these vents are available without charge from the factory. Fill out the enclosed card or send inquiries to the following address:

ANDERSON, GREENWOOD & CO.
P.O. BOX 944
STAFFORD, TX 77497 U.S.A.

ANDERSON GREENWOOD CROSBY

REVISIONS

REV.	DESCRIPTION	APPROVAL/DATE
B	ECN #01-1064	S.WILLIS 7-25-01 S.CONNALLY 7-25-01 E.TEZZO 7-27-01

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 IN THIS FOLDER. COPIES OF THIS PAGE ARE NOT TO BE DISTRIBUTED
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EXCLUDING THIS PAGE, THIS DOCUMENT CONTAINS _____ 3 _____

DWN	J. SMITH	11-04-92			
CHK	R. VIRGIL	11-09-92	INSTALLATION AND START-UP INSTRUCTIONS		
APPR	F. ARRIENS	11-09-92	TYPE 96A VACUUM BREAKER		
APPR	D. WEBB	11-09-92			
APPR			SIZE	REPORT NUMBER	REV.
APPR			A	05.9040.220	B