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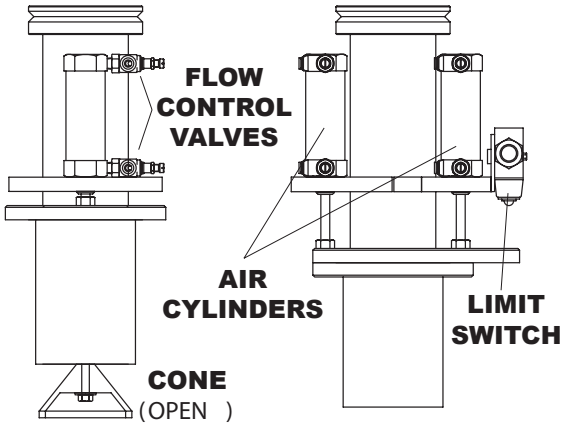
CONE CUTOFF INSTRUCTIONS

Products and applications that tend to leak at the end of the fill may require the use of a Cone Cutoff accessory. This is sometimes used if space limitations are a consideration, or for certain product applications. This type of cutoff is usually suggested when size restrictions exclude the use of a Dual Flapper Gate Cutoff. Components of an All-Fill Cone Cutoff are shown in the following.



SEQUENCE OF OPERATIONS

The following is the normal Sequence Of Operations that occur during the operation of the Cone Cutoff.

1. This sequence starts from a "closed" position. The air cylinder is extended. The auger is not turning
2. An initiation signal is received from the system's controls.
3. The cutoff sleeve retracts, allowing product to fill. This is considered the "open" position. The auger rotates for a set period of time during this sequence. There is a limit switch to monitor the amount of retraction. (Limit switch is optional - It may not be provided at cutoff).
4. The auger stops.
5. The air cylinder extends, allowing the cutoff sleeve to make contact with the cone. This forms a seal and the product stops flowing.

INSTALLATION

The entire cutoff assembly mounts into the hopper coupling and is secured with the three thumbscrews. The cone is secured to the auger by a ¼-20 left-handed hex head bolt. Compressed air actuates the cutoff during operation.

CLEANING

The cutoff should be periodically cleaned for proper operation. Cleaning frequency will depend on how often the filler is used, type and characteristics of the product, as well as standard operating procedures in effect at your facility. The cone and the inside of the cutoff sleeve should be cleaned to avoid leakage of product when closed, or to avoid damage to either component. If the cutoff is removed from the filler and disassembled, it must be setup and adjusted according to the procedure listed in the following.

CUTOFF SETUP ADJUSTMENT

Initially, the cutoff is setup by ALL-FILL. However, there may be occasions when the cutoff must be disassembled. In this situation, an adjustment is necessary. The following describes how to setup the Cone Cutoff.

!!! WARNING !!!

Disconnect airlines from the cutoff air cylinder before attempting any adjustment. Accidental actuation of the cutoff presents a possible pinch hazard and may cause injuries.

1. Loosen the nuts on the air cylinder mounting clamp.
2. Manually position the cutoff sleeve so it makes contact with the cone by moving the yoke. The cutoff sleeve should just make contact. Over-extending the cutoff sleeve could result in damage to either component.

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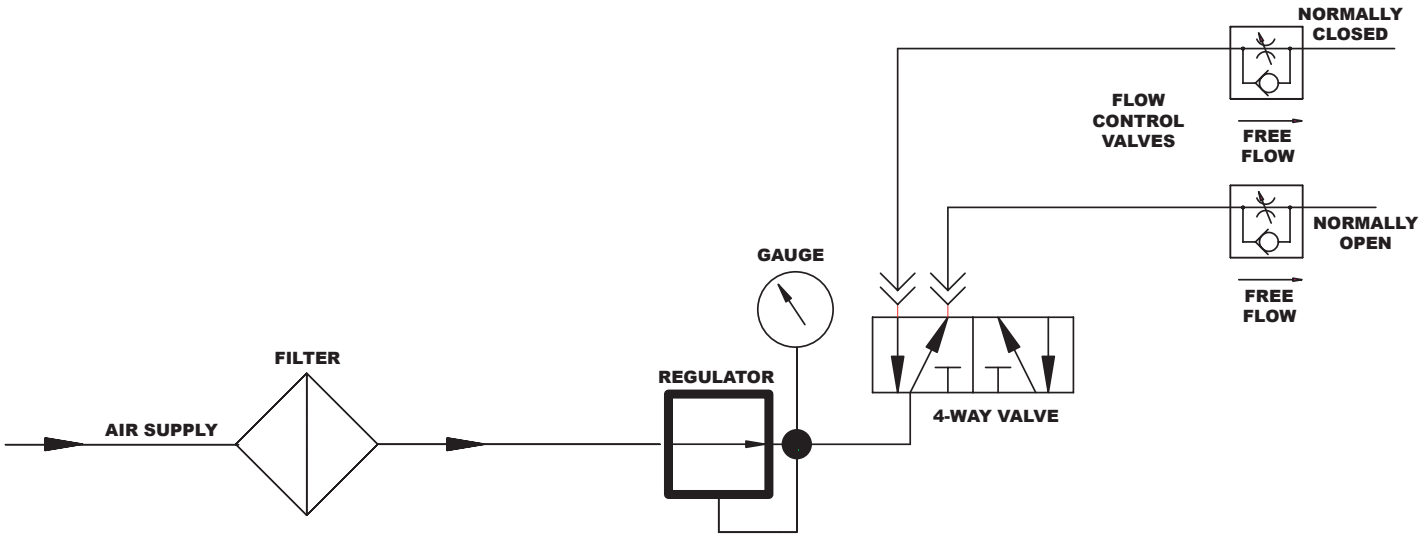
3. Lock into position by tightening the nuts on the air cylinder mounting clamp.
4. Check the length and alignment of the actuator arms. The arms should be parallel and identical in length. Adjust if any binding occurs. Reconnect the airlines when this process is complete.
5. Test the cutoff

!!! NOTE !!!

Air cylinder(s) must be fully extended during the adjustment process.

AIR SCHEMATIC



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