



TECHNICAL DATA

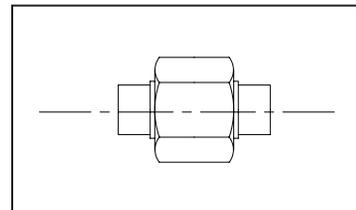
RESTRICTION ASSEMBLY .031" (0,79 mm)

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058

Telephone: 269-945-9501 Technical Services 877-384-5464 Fax: 269-945-4495 Email: techsvcs@vikingcorp.com

1. PRODUCT DESCRIPTION

The Restriction Assembly is designed for use on large pneumatic pilot lines in conjunction with an air maintenance device. The restricted orifice limits flow into the release system. This prevents rapid pilot line pressure build up after the release devices have operated. The standard 0.031" (0,79 mm) orifice (marked "C" on wrench flat) is for use with the Viking Model C-1 or Model C-2 Thermostatic Release, Model M Fixed Temperature Release, and Pilot Head release systems.



2. LISTINGS AND APPROVALS

Restricted Orifice Plug: Required component of UL, ULC, and FM recognized trim.

3. TECHNICAL DATA

Specifications:

Restricted Orifice Plug: Union type with monel mesh screen on each side of orifice.

Material Standards:

Brass

Ordering Information:

Part Number: 02902B

Shipping Weight: .40 lbs (.18 kg)

Viking Technical Data may be found on
The Viking Corporation's Web site at
<http://www.vikinggroupinc.com>.
The Web site may include a more recent
edition of this Technical Data Page.

4. INSTALLATION

- A. Locate the Restriction Assembly .031" (0,79 mm) in a visible, dry location.
- B. Install the Restriction Assembly .031" (0,79 mm) as the last item before the Pneumatic Actuator in the pipe supplying air or nitrogen to the pneumatic release system.
- C. Regulation of the air supply is recommended to maintain release system pressure at a constant level.

5. INSPECTIONS, TESTS AND MAINTENANCE

WARNING: Any system maintenance that involves placing a control valve or detection system out of service may eliminate the fire protection capabilities of that system. Prior to proceeding, notify all Authorities Having Jurisdiction. Consideration should be given to employment of a fire patrol in the affected areas.

A. ANNUAL INSPECTION:

1. Establish a fire patrol in area.
2. Close the main control valve, placing the system out of service.
3. Shut off the air or nitrogen supply to the Release Line Air Supply Assembly.
4. Trip the release system to relieve supervisory pressure.
5. Separate the restricted orifice union assembly and remove the screened orifice restriction.
6. If necessary, clean the restricted orifice by flushing in soap and water. Rinse and dry the restricted orifice assembly completely.
7. Re-install restricted orifice assembly.
8. Reset the pneumatic release system, pressurizing the pneumatic release line. The low air pressure alarm signal should end when the system pressure reaches the set point of supervisory switch.
9. Open main control valve. Place system in service. Follow procedures in the technical data for system used.

6. AVAILABILITY AND SERVICE

The Viking Restriction Assembly .031" (0,79 mm) is available through a network of Domestic, Canadian, and International Distributors. See the Viking Corp. Web site for closest distributor or contact The Viking Corporation.

7. GUARANTEES

For details of warranty, refer to Viking's current list price schedule or contact Viking directly.

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