



STYLE 7980 BLACK MAX™ PISTON INTAKE VALVE OPERATING INSTRUCTIONS

PRODUCT WARNINGS

- Maximum operating pressure 250 psi/17 bar.
- Maximum flow 2000 GPM/7600 LPM.
- If any tags on the valve are worn or damaged and cannot be easily read, they should be replaced.
- Ensure the relief valve is adjusted to your required setting before operation.

GENERAL INSTRUCTIONS

- Not recommended for use with salt water.
- For use with water or standard firefighting foams ONLY.
- After use with foam, flush with fresh water.
- For firefighting use ONLY.
- Ensure all connections match the connections on the piston intake valve.
- The piston intake valve is configured for optimum performance. Do not alter in any manner.
- Do not overtighten the swivel connection.
- Do not use as a step.
- Do not move the pumper once the hose is connected to the valve.
- The valve is designed to be hand operated. Do not use a helper bar, mallet or other such device.
- Operate in the fully open or fully closed position. Do not throttle.
- To avoid damage, follow IFSTA operating procedures for pump operations, particularly when relay pumping.
- Do not connect the hose to the valve until the full length of hose to be used is completely laid.
- Do not use strong solvents to clean. Use mild soap and water.
- Use caution when moving your apparatus. The valve is less than 12" deep and normally will not extend beyond the running board. However, caution should always be used to insure the unit is not damaged if hit while the truck is moving.

OPERATING GUIDELINES

NOTE: The main handwheel and air bleeder valve turn counter-clockwise to open and clockwise to close.

1. Set relief valve (see instructions).
2. Close the main piston.
3. Open the air bleeder valve.
4. Slowly charge the line.

NOTE: Air will come out of the air bleeder valve until the system is filled, then water will come out.

5. Once water comes out of the air bleeder valve, close the air bleeder valve.
6. Open the main piston.

DRAFTING (Suction Use)

1. If using Storz fittings, a special Drafting Gasket should be used. These gaskets are gray in color and can be ordered using the following part numbers:
 - 4" 7-14-211
 - 5" 7-14-212
 - 6" 7-14-213
2. After prime is obtained, follow operating guidelines.

RELIEF VALVE SETTING INSTRUCTIONS

The relief valve is factory set at 150 psi. To change setting:

1. Loosen the jam nut by turning it counter-clockwise.
2. Turn the adjustment screw clockwise to increase and counter-clockwise to decrease the setting. One full turn equals 25 psi.

NOTE: If you are not sure of the setting, turn the adjustment screw counter-clockwise until it is loose which means the relief valve is at 50 psi. Now turn the adjustment screw clockwise to the required setting.

3. Tighten the jam nut by turning it clockwise.

MAINTENANCE

Under normal conditions, periodically flushing the valve with clean water and cleaning grit and dirt from around exterior moving parts will allow the valve to operate as designed.

- Your valve should be inspected prior and after each use, to ensure it is in good operating condition.
- Periodically, an unanticipated incident may occur where the valve is used in a manner that is inconsistent with standard operating practices and those listed in IFSTA. A partial list of potential misuses follows:
 - Operating above maximum rated pressure and flow.
 - Not draining, and allowing water to freeze inside the valve.
 - Prolonged exposure to temperatures above +130° F, or below -25° F.
 - Operating in a corrosive environment.
 - Other misuse that might be unique to your specific firefighting environment

Also, there are many "tell tale" signs that indicate valve repair is in order, such as:

- Controls that are either inoperable or difficult to operate.
- Excessive wear.
- Water leaks.

If any of the above situations are encountered, the valve should be taken out of service and repaired, then tested by qualified valve technicians, prior to placing it back into service.

Do not attempt to remove the seat from the discharge. To do so may damage parts. We recommend the valve be returned to the factory for service.



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