



OPERATING INSTRUCTIONS

4-Way Hydrant Valve With Handwheel Style 627

The following is intended to provide the basic instructions for operating the 4-Way Hydrant Valve. Read and understand these operating instructions before use.

PRODUCT RATINGS

Maximum Operating Pressure: 300 psi

Maximum Flow: 1500 gpm per side

Maximum Flow & Pressure During Changeover: 1000 gpm & 75 psi differential

PRODUCT WARNINGS

- ⚠ **WARNING: DO NOT THROTTLE, STOP OR OPERATE BETWEEN STOP POSITIONS!** Changeover should be made in 3 seconds or more, rotating the handwheel until it reaches the stop. Throttling could cause damage to the valve.
- ⚠ **WARNING:** Ensure the threads on the 4-Way Hydrant Valve are matched to the threads on the hose connections and hydrant.
- ⚠ **WARNING:** Always fill auxiliary pumper lines before “changing over.” Changeover to empty auxiliary lines may cause water hammer and could damage the valve.
- ⚠ **WARNING:** Ensure the area around the hydrant valve when attached to the hydrant is clear. Do not wedge hoses in between obstructions and the hydrant valve during hook-up. This places additional stress on the hydrant valve connection during operating and can cause failure.
- ⚠ **WARNING:** Do not connect the hose coupling to the valve used on the hydrant until the pumper laying out the hose has reached it’s destination and has been positioned. If the hose is connected while it is being “played out”, a coupling could catch on the rear of the pumper, creating a hard pull on the hose, which can damage the hydrant valve.

PRODUCT CAUTIONS

- ⚠ **CAUTION:** If any tags or bands on the valve are worn or damaged and cannot be easily read, they should be replaced.
- ⚠ **CAUTION:** For use with fresh water or standard fire fighting foams only. Not recommended for use with salt water. After use with foam or salt water, flush with fresh water.
- ⚠ **CAUTION:** Drain after use.
- ⚠ **CAUTION:** For fire fighting use only.
- ⚠ **CAUTION:** Do not over tighten the hose or hydrant connections.
- ⚠ **CAUTION:** The 4-Way Hydrant Valve is configured for optimum performance. Do not alter in any manner.
- ⚠ **CAUTION:** Always store the valve with the indicator pin against a stop.
- ⚠ **CAUTION:** Your 4-Way Hydrant 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.
- Dropping the valve from a height where damage is incurred.
- Prolonged exposure to temperatures above +130 degrees F, or below -25 degrees F.
- Operating in a corrosive environment.
- Other misuse that might be unique to your specific fire fighting environment.

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, plus tested by qualified valve technicians, prior to placing back in service.

OPERATING INSTRUCTIONS

SET UP FOR INITIAL ATTACK:

- Attach the inlet port marked “INLET” to the hydrant discharge
- Attach one end of the supply hose to the discharge port marked “DISCHARGE” and the other end to the pumper intake
- Rotate the handwheel until the indicator pin hits the stop near the discharge port you want charged.
- When you are ready to flow, open the hydrant slowly.

SET UP FOR AUXILIARY PUMPER:

- Attach one end of the supply hose to the other discharge port marked “DISCHARGE” and the other end to the intake of the auxiliary pumper.
- Attach one end of the discharge hose to the discharge port of the auxiliary pumper and attach the other end to the other port marked “INLET.”

CHANGEOVER:

- With the auxiliary pumper set up, fill the lines from the tank and engage the pump at idle.
- Throttle down the initial pumper (Note: 1000 gpm & 75 psi differential max.) Rotate the handwheel continuously towards the other “DISCHARGE” port, until it hits the stop. **DO NOT THROTTLE, STOP OR OPERATE BETWEEN STOP POSITIONS!**
- Throttle pumps up to the desired operating flows and pressures. Note: 1000 gpm per side and 300 psi max.
- Drain after use.

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.
- Over time, the seals may need to be replaced. This can be accomplished by purchasing the required parts. Use qualified maintenance mechanics or return the valve to Akron Brass for repair.



ISO 9001 REGISTERED COMPANY

PHONE: 330.264.5678 or 800.228.1161 | FAX: 330.264.2944 or 800.531.7335 | www.akronbrass.com
 Available in Canada through AKRON MANUFACTURING COMPANY
 PHONE: 519.773.8431 | FAX: 519.773.3794

AB-344 (REV. 04/00)

WARRANTY AND DISCLAIMER: We warrant Akron Brass products for a period of five (5) years after purchase against defects in materials or workmanship. Akron Brass will repair or replace product which fails to satisfy this warranty. Repair or replacement shall be at the discretion of Akron Brass. Products must be promptly returned to Akron Brass for warranty service.
 We will not be responsible for: wear and tear; any improper installation, use, maintenance or storage; negligence of the owner or user; repair or modification after delivery; damage; failure to follow our instructions or recommendations; or anything else beyond our control. WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, OTHER THAN THOSE INCLUDED IN THIS WARRANTY STATEMENT, AND WE DISCLAIM ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. Further, we will not be responsible for any consequential, incidental or indirect damages (including, but not limited to, any loss of profits) from any cause whatsoever. No person has authority to change this warranty.

© Premier Farnell Corporation. 2000 All rights reserved. No portion of this can be reproduced without the express written consent of Premier Farnell Corporation.

A Premier Farnell Company