



### **Patterson Pump Notes Strainer Removal May Be Needed**

The first day of fall is as good a time as any to highlight a special manufacturer service bulletin that was issued during the summer. Patterson Pump sent the following alert bulletin through their distribution system, warning that the PRV strainer in an engine heat exchanger bypass on their diesel driven pumps may become clogged if the water is not sufficiently pure, and noting that the strainer may be safely removed altogether, since the main strainer on the heat exchanger provides sufficient protection.

Section 8.5.1 of NFPA 25 (2008 edition) requires that a preventative maintenance program be established on all components of the fire pump assembly in accordance with the manufacturer's recommendations. In the absence of such recommendations, Section 8.5.3 allows use of the maintenance schedule of Table 8.5.3, which calls for quarterly cleaning of water strainers in the diesel engine cooling system.

To: All Patterson Fire Pump Reps (WEBFP)

Date: July 22, 2009

Reference: Service Bulletin—Diesel Driven Fire Pump Cooling Loop

A recent study of water flows through the engine heat exchangers indicates that the mesh of the strainer in the Pressure Reducing Valves (PRVs) on the Heat Exchanger bypass can become clogged if the water is not pure enough and/or contains heavy particulates. After evaluating the situation with the PRV and engine manufacturers, it has been jointly decided to remove the strainers from the PRVs that will be installed from this date forward. The Y-strainer installed on the heat exchanger line assembly has been deemed adequate to prevent passage of large particles, prevent clogging of the PRV and to minimize the potential of inadequate flow to the engine Heat Exchanger.

If you have experienced low flow or low pressure to and through the engine heat exchanger, we recommend you inspect the strainers and remove the strainer(s) inside of the PRV and be sure to clean the Y-strainers as well. This has been considered routine preventative maintenance practice for years to assure proper operation of the system. If you have any questions, please do not hesitate to contact us.

Please remind valued customers to either remove or clean the mesh in their PRV and clean their screens in Y-strainers on a regular basis.

Regards,  
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## Upcoming "Business Thursday" Online Seminar – September 24<sup>th</sup>

**Topic: Roles of the System Inspector and AHJ**

**Instructors: Dominick Kasmauskas, NFSA New York Regional Manager and Russ Fleming, NFSA Executive Vice President**

**Date: September 24, 2009**

This seminar focuses on the assigned roles and obligations of both the system inspector and the Authority Having Jurisdiction charged with the enforcement of NFPA 25. It will highlight areas in which the inspector must be careful to avoid crossing the line into hazard analysis and evaluation of system design capabilities. What are the options for the AHJ who would like to see these issues addressed? How are system deficiencies and impairments best reported?

To register or for more information, contact Dawn Fitzmaurice at (845) 878-4207.

## Upcoming "Technical Tuesday" Online Seminar – September 29<sup>th</sup>

**Topic: Inspection and Testing of Dry Pipe Systems**

**Instructor: Kenneth E. Isman, P.E. Vice President of Engineering**

**Date: September 29, 2009**

The general inspection and testing of dry-pipe sprinkler systems will be covered in this program, including arrangement of components so that they can be inspected and tested correctly. It will also cover the full-flow trip tests required by NFPA 25 every three years, and the "no flow" trip tests required by NFPA 25 for those years when the full-flow trip test is not conducted. (Great study guide for NICET Work Elements 43003, 43012, and 44013)

To register or for more information, contact Dawn Fitzmaurice at (845) 878-4207.

Additional training opportunities available include...

## Two-Week Layout Technician Training

October 12-23, 2009

Phoenix, AZ

For more information, contact Nicole Sprague using [Sprague@nfsa.org](mailto:Sprague@nfsa.org) or by calling 845-878-4200 ext. 149.

## In-Class Training Seminars

NFPA 13, 13R, 13D 2007 Update	Anaheim, CA	Sept 22
Hydraulics for Fire Protection	Anaheim, CA	Sept 23
Underground Piping (1/2 Day)	Anaheim, CA	Sept 24
Basic Seismic (1/2 Day)	Anaheim, CA	Sept 24
Inspection, Testing & Maintenance	Concord, NH	Oct 13
Residential Sprinklers: Homes to High Rise	Concord, NH	Oct 14
Sprinklers for Dwellings	Concord, NH	Oct 15
Underground Piping (1/2 Day)	Woodland, CA	Oct 20
Commissioning & Acceptance Testing (1/2 Day)	Woodland, CA	Oct 20
Sprinkler Protection for General Storage	Woodland, CA	Oct 21
Sprinkler Protection for Special Storage	Woodland, CA	Oct. 22
Pumps for Fire Protection	Edwardsville, IL	Oct 27
Sprinkler Protection for General Storage	Edwardsville, IL	Oct 28

Sprinkler Protection for Rack Storage	Edwardsville, IL	Oct 29
NFPA 13 Overview	Pembroke, MA	Oct 27-28
Plan Review Policies & Procedures	Pembroke, MA	Oct 29
Inspection, Testing & Maintenance	Irving, TX	Oct 27
Hydraulics for Fire Protection	Irving, TX	Oct 28
NFPA 13, 13R, 13D 2007 Update	Irving, TX	Oct 29
NFPA 13, 13R, 13D 2007 Update	Effingham, IL	Nov 10
Plan Review Policies & Procedures	Effingham, IL	Nov 11
Hydraulics for Fire Protection	Effingham, IL	Nov 12
NFPA 13, 13R, 13D 2007 Update	Des Moines, IA	Dec 1
Hydraulics for Fire Protection	Des Moines, IA	Dec 2
Sprinkler Protection for General Storage	Des Moines, IA	Dec 3
Sprinkler Protection for Rack Storage	Marana, AZ	Dec 8
Sprinkler Protection for General Storage	Marana, AZ	Dec 9
Basic Seismic Protection (1/2 Day)	Marana, AZ	Dec 10
Advanced Seismic Protection (1/2 Day)	Marana, AZ	Dec 10

These seminars qualify for continuing education as required by NICET.

To register or for more information, contact Dawn Fitzmaurice at (845) 878-4207 or send an e-mail to [seminars@nfsa.org](mailto:seminars@nfsa.org)

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**About the National Fire Sprinkler Association**

*Established in 1905, the National Fire Sprinkler Association (NFSA) is the voice of the fire sprinkler industry. NFSA leads the drive to get life-saving and property protecting fire sprinklers into all buildings; provides support and resources for its members – fire sprinkler contractors, manufacturers and suppliers; and educates authorities having jurisdiction on fire protection issues. Headquartered in Patterson, N.Y., NFSA has regional operations offices throughout the country. [www.nfsa.org](http://www.nfsa.org).*

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