

STRAINER

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FPE has been involved in full flow testing of systems in operation at various installations around the world. We have found helmets, gloves, welding pads, welding rods, seashells, and corrosion particles at various points inside the piping system, seriously affecting the system flow.

FPE recommends a strainer for each deluge and sprinkler valve. This ensures safe operation preventing debris within the firewater system piping from clogging up deluge nozzles and sprinklers or damaging the deluge or sprinkler valve.

The work related to opening up sections of piping to remove large quantities of deluge nozzles (commonly installed 3-4 meters above deck) in order to flush the system clean is time consuming and hazardous work. Removing the system from service requires temporary fire protection by use of portable water monitors and hose lines, etc. until the system is put back into service.

This time consuming, hazardous, and costly operation can be effectively avoided by using FPE's witch hat strainer.

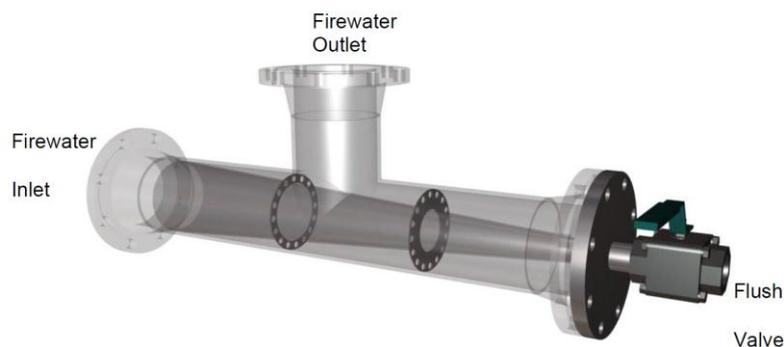


Figure 1: FPE Witch Hat Strainer

The witch hat strainer is available in multiple sizes and material of construction and with low-pressure loss it is an effective means of blocking trash while ensuring optimum flow to the system. Connecting a hose or utilizing a fixed pipe drain allows the strainer to be flushed without interrupting the operation of the deluge or sprinkler valve. Upstream and downstream pressure transmitters can be incorporated with an automatic flush valve. This design monitors the strainer performance and can be flush it automatically without affecting system performance.

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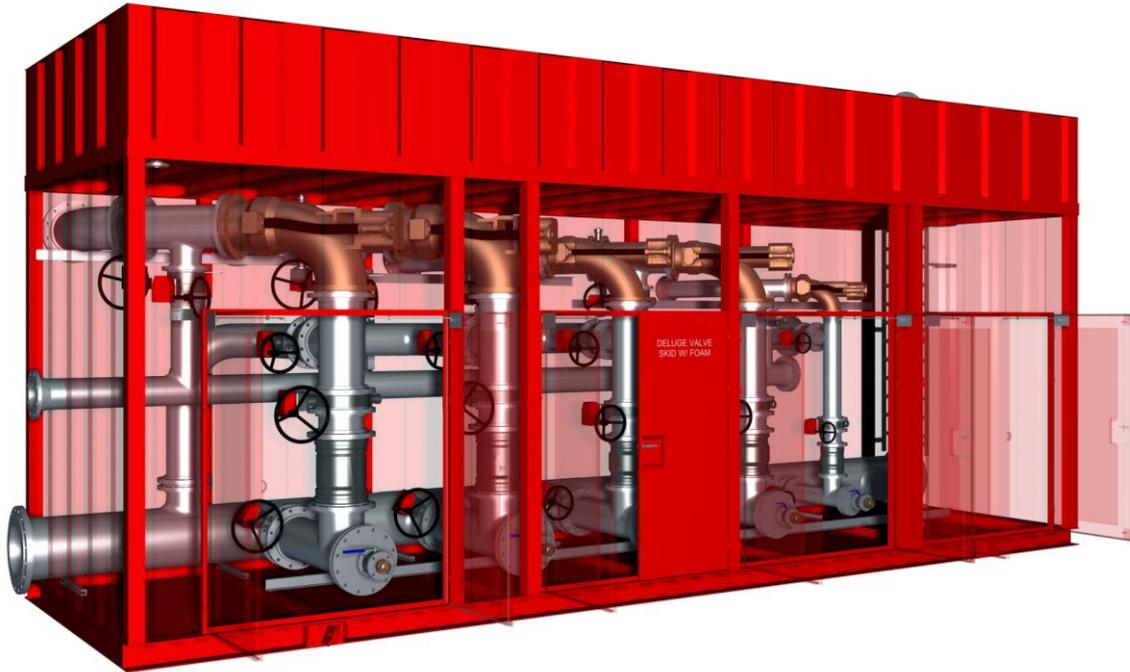


Figure 2: Multivalve Deluge Skid with Strainers

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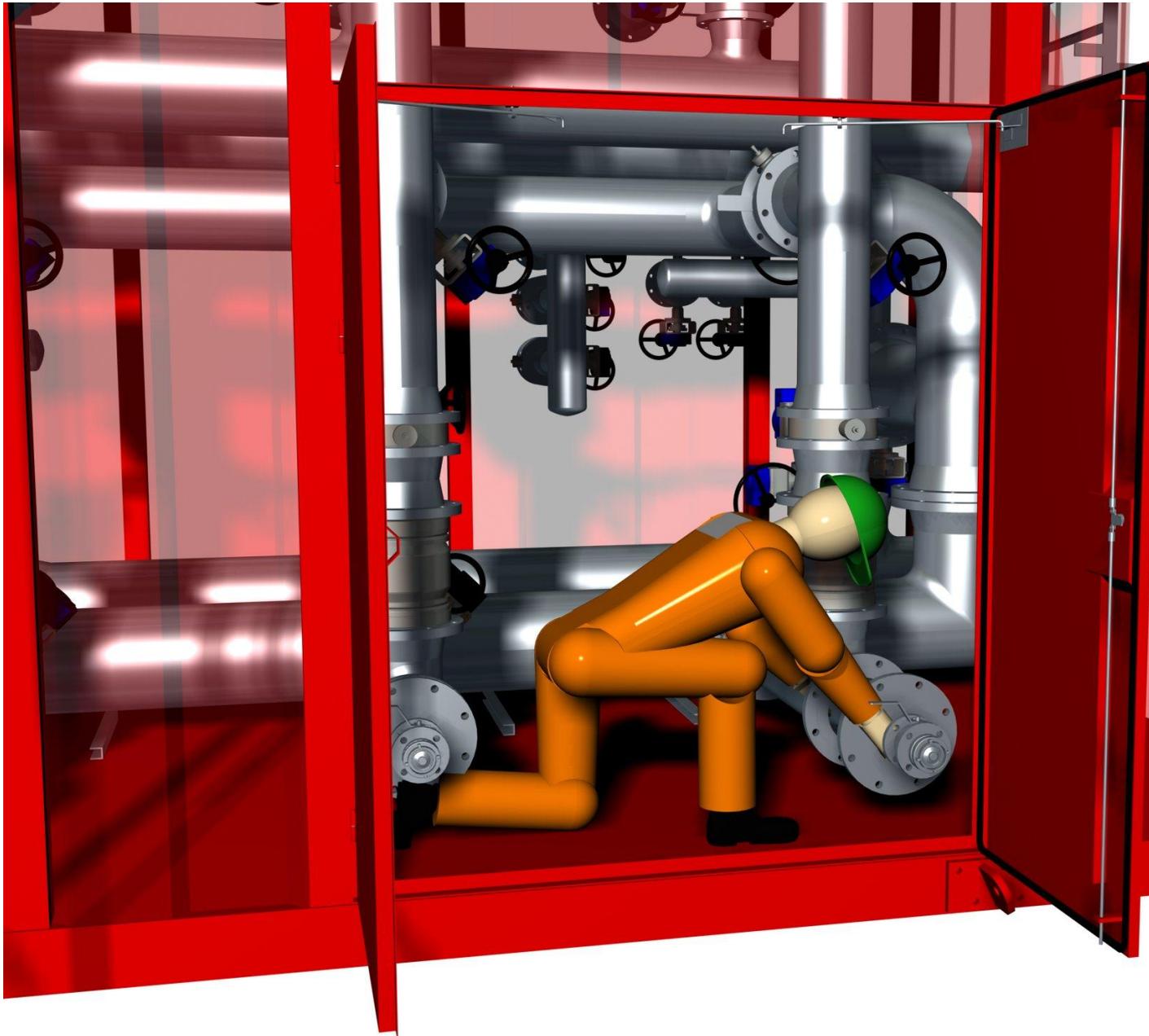


Figure 3: Strainer Screen Removal

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