



Chemwork

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Hello : I have a query - whether Surge analysis is imperative in Fire fighting network?

Vyankatesh Belapurkar
Process Head

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Comments

4 comments



Vagif

Vagif Gafarov
Sr. Process Engineer at KBR

I remember our F/F consultancy included such calculation for our fire water loops, but assumption was made that all pipework is full of water already. Besides, usually there is always Jockey pump operating to keep the loop pressurized.

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Vyankatesh

Vyankatesh Belapurkar
Process Head

Vagif, Thanks for your response. i wish to know whether Surge calculations were done that time.

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S M

S M Kumar
Process Design Consultant
Top Contributor

Usual in installations I know. Must if you have GRP piping. The start-up is usually done using the dump valve at pump discharge open and slowly closing it as pump operation stabilizes. Talk to third-party suppliers who provide such services w.r.t the system you have. In GRP system, better to let the supplier take full and total responsibility, design, system study, manufacturing and installation to avoid "dropped" responsibilities. Start-up failures / ruptures reported in GRP are due to location of bends to close to pump discharge and their poor supports.

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Vyankatesh

Vyankatesh Belapurkar
Process Head

Thanks Kumar Sir, for your valuable tips.

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