



RELIEF VALVE SIZING

According to NFPA 20 - 2019

- The relief valve shall be permitted to be sized hydraulically to discharge sufficient water to prevent the pump discharge pressure from exceeding the pressure rating of the system components.
- If the relief valve is not sized hydraulically, then follow the following table.
- If the discharge pipe employs more than one elbow, the next larger pipe size shall be used.



Pump Rating (gpm)	Min. Relief Valve Size (in.)	Min. Discharge Size (in.)
25	3/4	1
50	1 1/4	1 1/2
100	1 1/2	2
150	2	2 1/2
200	2	2 1/2
250	2	2 1/2
300	2 1/2	3 1/2
400	3	5
450	3	5
500	3	5
750	4	6

Pump Rating (gpm)	Min. Relief Valve Size (in.)	Min. Discharge Size (in.)
1000	4	8
1250	6	8
1500	6	8
2000	6	10
2500	6	10
3000	8	12
3500	8	12
4000	8	14
4500	8	14
5000	8	14

*FPS, *Keeping You Up To Code



Sizing Recommendations For Fire Pump Applications

M Lipman



Sizing Recommendations For Fire Pump Applications:

Agents' and Inspectors Pocket-book of Fire Protection George Velten Steeb,1902 **Study Guide for Marine Fire Prevention, Firefighting, & Fire Safety** Sean P. Tortora,2014-11-28 This study guide has been produced to modernize streamline and simplify the original text whilst continuing to remain USCG compliant as well as now adhering to the new STCW requirements The long since out of print original text Marine Fire Prevention Firefighting and Fire Safety was published over forty years ago by the Department of Transportation Maritime Administration Although the basic principles in marine firefighting have not changed this study guide offers up to date information for a better understanding of the principles and methodologies involved It also utilizes current day examples equipment and techniques breaking down the text into twelve easy to follow lessons basic shipboard firefighting organization and safety causes of fires and methods of prevention theories of fire combating fire extinguishing agents extinguishing appliances fire detection systems fixed fire extinguishing systems safety and firefighting equipment and respirators and the self contained breathing apparatus These lessons will provide students the knowledge to not only successfully fight shipboard fires but prevent such fires and in doing so keep his her ship and all that ply the seas onboard safe *Contractors License Exam Guide 2026/2027 for Everyone* Terry Giron,2026-01-05 The Contractors License Exam Guide 2026 2027 for Everyone is a structured learning resource designed to support individuals preparing for contractor licensing examinations This guide presents core construction knowledge business principles and exam relevant material in a clear and organized format suitable for learners at all stages of preparation The guide focuses on helping readers understand and apply topics commonly tested on contractor license exams including construction fundamentals project planning estimating safety practices building codes materials and methods contract law basics business management and professional responsibility Explanations emphasize comprehension practical application and familiarity with exam style questions to support effective preparation Designed for Everyone including aspiring contractors trades professionals and business owners seeking licensure this guide serves as a comprehensive review and structured reference to help learners organize their study reinforce foundational knowledge and approach the contractor license exam with clarity and confidence Disclaimer This exam guide is an independent educational resource created for general exam preparation purposes It is not affiliated with endorsed by or sponsored by any state licensing board or regulatory authority All terminology and references are used solely for educational purposes

Transporting Operations of Food Materials within Food Factories Seid Mahdi Jafari,Narjes Malekjani,2022-08-26 Transporting Operations of Food Materials within Food Factories a volume in the Unit Operations and Processing Equipment in the Food Industry series explains the processing operations and equipment necessary for storage and transportation of food materials within food production factories Divided into four sections Receiving and storage facilities Liquid food transportation Solid and semi solid transportation and General material handling machines in food plants all sections

emphasize basic content relating to experimental theoretical computational and or applications of food engineering principles and relevant processing equipment Written by experts in the field of food engineering in a simple and dynamic way the book targets all who are engaged in worldwide food processing operations giving readers comprehensive knowledge and an understanding of different transporting facilities and equipments Thoroughly explores alternatives in food processing through innovative transporting operations Brings novel applications of pumping and conveying operations in food industries Covers how to improve the quality and safety of food products with good transporting operations *Fire and Water Engineering* ,1925 **Textile World** Walter S. Kelley, Henry G. Lord, Walter Bradford Guild, Henry Gratton Kittredge, Samuel Sherman Dale, Charles Hiram Clark, Vernon E. Carroll, Clarence Hutton, 1881-, Douglas Gordon Woolf, 1922 **Guidelines for Water Reuse** ,2004 **Textile World Journal** ,1919 *Management and Administration in Manufacturing Industries* Leon Pratt Alford, 1923 *Journal of the New England Water Works Association* New England Water Works Association, 1894 **Management and Administration** ,1923 Federal Register ,1961-09 **Engineering Issue, Sept. 21, 1927** National Petroleum News, 1927 *Railway Engineering and Maintenance* ,1924 **The American Review of Reviews** Albert Shaw, 1911 **Manufacturers Record** ,1924 The American Review of Reviews ,1911 **The American chemist** ,1873 **The Engineer** ,1905 *Municipal Engineering: Sanitary Record and the Municipal Motor* ,1928

Sizing Recommendations For Fire Pump Applications: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous compelling novels captivating the hearts of readers worldwide. Lets delve into the realm of bestselling books, exploring the fascinating narratives that have enthralled audiences this year. The Must-Read : Colleen Hoover's "It Ends with Us" This poignant tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover skillfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can succeed. Sizing Recommendations For Fire Pump Applications : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This intriguing historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids captivating storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens "Where the Crawdads Sing" This captivating coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens weaves a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These top-selling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of engaging stories waiting to be discovered. The novel begins with Richard Papan, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and gripping novel that will keep you guessing until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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