

## TECHNICAL SPECIFICATIONS

### TECHNICAL SPECIFICATIONS FOR FIRE HYDRANT WET SYSTEM

#### 1.0 GENERAL

This document shall be read in conjunction with all relevant commercial documents. In case of contradiction between technical specification and other documents, data in technical specifications shall prevail.

2.0 All work under this contract shall be carried out in accordance with the Technical Specification and the latest revisions of Indian Standards, Codes, Indian Electricity Rules and also Regulations and Norms of West Bengal Fire Services.

#### 3.0 SCOPE OF WORK

3.1 Preparation of fire fighting scheme drawings and submission to West Bengal Fire Services and obtaining their approval prior to execution of work.

Supply and design data assistance, fabrication, erection, painting, testing and commissioning of the Fire Hydrant System with mechanical and electrical equipment, instrumentation, pipes, valves, fittings, supports, cables etc complete in all respects, and preparation & submission of drawings/calculations/other documents to concerned authorities & obtaining interim & final Approval/Sanction/NOC (No Objection Certificates) from West Bengal Fire Services, during and after execution of work as required.

#### 4.0 TECHNICAL PARAMETERS

##### 4.1 Brief Description of Fire Hydrant System

###### 4.1.1 Full Scheme (For general information of the tenderer)

1 (One) No. Fire Pump Hydrant 1 (one) No. jockey pump ( each electric motor driven) and 1 (one) no. Diesel Engine driven Fire Pump shall be installed in the pump room, pumping water from the underground water tank. The common outlets of fire pump delivery system shall cater to the following :

- i) Internal fire hydrants in each floor and on roof.
- ii) External Fire Hydrants.
- iii) First Aid Hose Reels in each floor.

At the top of each Wet Riser an Air Vessel assembly with Air Relief Valve, a Drain-valve, pressure gauge etc shall be provided to take care of pressure surges and also for letting out entrapped air in the system.

##### 4.2 Operation

Fire Hydrant System & Sprinkler System

# Technical Specifications Fire Hydrant Wet System Webel

**Awwa**



## **Technical Specifications Fire Hydrant Wet System Webel:**

WET-BARREL FIRE HYDRANTS. AWWA.,2022      **Installation, Field Testing, and Maintenance of Fire Hydrants**  
AWWA Staff,2006 Updated from the 1989 edition this new edition provides the latest information distribution operators need to have about fire hydrants design installation and maintenance practices Using the easy to follow flow testing procedures included one can quickly obtain valuable distribution system information This manual also traces the development of wet barrel and dry barrel styles and contains detailed instructions for installation and testing The updated appendices feature new updated diagrams of hydrant models definitions and record keeping forms      Installation, Field Testing, and Maintenance of Fire Hydrants, 4th Ed. American Water Works Association,2006 Updated from the 1989 edition this new edition provides the latest information distribution operators need to have about fire hydrants design installation and maintenance practices Using the easy to follow flow testing procedures included one can quickly obtain valuable distribution system information This manual also traces the development of wet barrel and dry barrel styles and contains detailed instructions for installation and testing The updated appendices feature new updated diagrams of hydrant models definitions and record keeping forms Fourth edition      *Awwa C503-18 Wet-Barrel Fire Hydrants* Awwa,2019-01-18 This standard pertains to the various types and classes of wet barrel fire hydrants for use in fire protection service in areas where the climate is mild and freezing temperatures do not occur A wet barrel hydrant has one or more valve openings above the ground line and under normal operating conditions the entire interior of the hydrant is subjected to water pressure at all times Each outlet nozzle has an independent compression type valve i e working with or against the pressure that controls discharge from that particular outlet This standard can be referenced in requirements for purchasing and receiving wet barrel fire hydrants for fire protection service and can be used as a guide for inspecting and testing wet barrel fire hydrants The stipulations of this standard apply when this document has been referenced and only to wet barrel fire hydrants used in water supply service      **Fire Hydrant Systems Equipment. Specification for Landing Valves for Wet Risers** British Standards Institute Staff,1987-03-31 Fire hydrants Hydrants Firefighting equipment Rising mains Screw down valves Diaphragm valves Fire valves Stop valves Water valves Valves Copper alloys Pressure Size Temperature Ratings Marking Flow rates Valve components Design Seals Hand wheels Straps Pressure testing Leak tests Hydrostatic pressure Testing conditions Performance testing High temperature testing      Wet-barrel Fire Hydrants AWWA (American Water Works Association),2005      *Wet-barrel Fire Hydrants* ,2021      Boxes for Foam Inlets and Dry Riser Inlets British Standards Institution,1974

The book delves into Technical Specifications Fire Hydrant Wet System Webel. Technical Specifications Fire Hydrant Wet System Webel is an essential topic that needs to be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Technical Specifications Fire Hydrant Wet System Webel, encompassing both the fundamentals and more intricate discussions.

1. The book is structured into several chapters, namely:
    - Chapter 1: Introduction to Technical Specifications Fire Hydrant Wet System Webel
    - Chapter 2: Essential Elements of Technical Specifications Fire Hydrant Wet System Webel
    - Chapter 3: Technical Specifications Fire Hydrant Wet System Webel in Everyday Life
    - Chapter 4: Technical Specifications Fire Hydrant Wet System Webel in Specific Contexts
    - Chapter 5: Conclusion
  2. In chapter 1, the author will provide an overview of Technical Specifications Fire Hydrant Wet System Webel. This chapter will explore what Technical Specifications Fire Hydrant Wet System Webel is, why Technical Specifications Fire Hydrant Wet System Webel is vital, and how to effectively learn about Technical Specifications Fire Hydrant Wet System Webel.
  3. In chapter 2, the author will delve into the foundational concepts of Technical Specifications Fire Hydrant Wet System Webel. The second chapter will elucidate the essential principles that must be understood to grasp Technical Specifications Fire Hydrant Wet System Webel in its entirety.
  4. In chapter 3, the author will examine the practical applications of Technical Specifications Fire Hydrant Wet System Webel in daily life. This chapter will showcase real-world examples of how Technical Specifications Fire Hydrant Wet System Webel can be effectively utilized in everyday scenarios.
  5. In chapter 4, this book will scrutinize the relevance of Technical Specifications Fire Hydrant Wet System Webel in specific contexts. This chapter will explore how Technical Specifications Fire Hydrant Wet System Webel is applied in specialized fields, such as education, business, and technology.
  6. In chapter 5, the author will draw a conclusion about Technical Specifications Fire Hydrant Wet System Webel. The final chapter will summarize the key points that have been discussed throughout the book.
- The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Technical Specifications Fire Hydrant Wet System Webel.

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### **Technical Specifications Fire Hydrant Wet System Webel Introduction**

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