

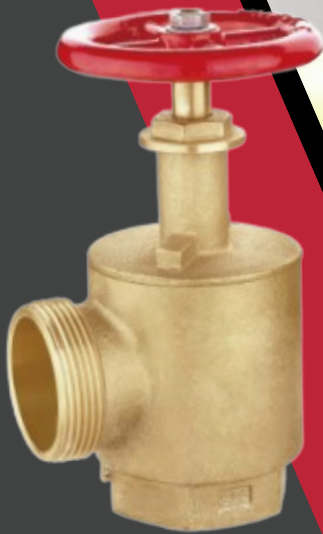


**COBRA**

FLOW CONTROL INDUSTRIES

# PRODUCT

# CATALOG





# FLOW CONTROL INDUSTRIES

We would like to take this opportunity to thank all our allies who made this dream come true. At "**COBRA**" we have been investing tremendous effort in putting together the best and most affordable product for you. The input, suggestions, and feedback from our customers and our experience on the market have been the key formula to developing our wonderful line of products.

## COMPANY MISSION

Provide for our loyal customers top quality, safe and reliable products to comply with all the demanding fire safety regulations. "**COBRA**" will continuously invest in more lines of products and equipment to meet our customer's needs.

## COMPANY VISION

Our vision is to give access to good quality products to all the customers, so they are able to be more competitive in their projects. "Every single contractor should be able to install a good quality product".

## SOLUTIONS

Our line of products is supported by important manufacturers, offering the best quality and exceeding safety, performance, standards, and approvals. We are working on increasing our portfolio to support our customer needs. Our experienced shipping department will carefully select, pack, and ship your order according to your request, so you can rest assured that your order will arrive with the correct parts, clearly labeled, undamaged, and on time. Inventory, strategic shipping location, and service make "**COBRA**" the best choice for your projects.

## GENERAL NOTES

**Flow Control Industries** reserves the right to change product design and or specifications without notice or obligation. Please refer to the Flow Control Industries website for the latest information.



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**FIRE HOSE CABINET**

FIGURE C100

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**FIRE HOSE RACK ASSEMBLY**

FIGURE C200

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**HOSE VALVES**

FIGURE C300

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**ACCESSORIES**

FIGURE C400

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**PLUGS & ADAPTORS**

FIGURE C500

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**NOZZLES & TOOLS**

FIGURE C600

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**OS&Y GATE VALVE**

FIGURE C700

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**NRS GATE VALVE**

FIGURE C800

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**SWING CHECK VALVE**

FIGURE C900

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**BUTTERFLY VALVE WITH TAMPER SWITCH**

FIGURE 1000

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**GROOVED SWING CHECK VALVE**

FIGURE C1100

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**DELUGE VALVE**

FIGURE C1200

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**INDICATOR POSTS**

FIGURE C1300

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**FIRE HYDRANTS**

FIGURE C1400

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**GROOVED FITTINGS**

FIGURE C1500

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**GENERAL SERVICES**

FIGURE C1600

# FIRE HOSE CABINET

**FIGURE  
C100**

## STANDARD CONSTRUCTION & FEATURES

One piece 20 gauge cold-rolled steel door and frame, 18 gauge steel box. The door is reinforced with rigid tubular metal, a continuous steel piano hinge and pin with a red acrylic enamel finish, door handle hardware, and a standard glazing clear acrylic door.

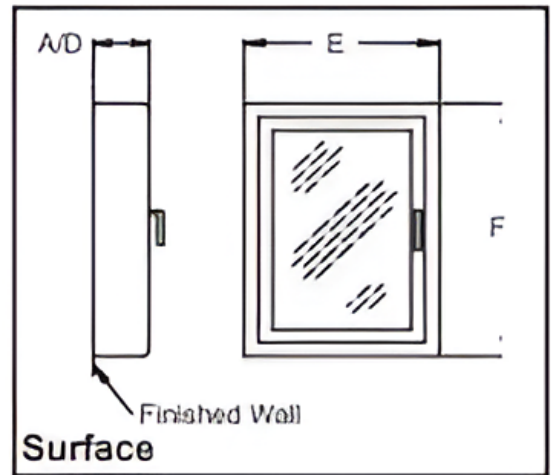


## PRODUCT OPTION

- AL** Aluminum (clear anodized finish)
- SS** 304 stainless steel (#4 brushed finish)
- RED** baked acrylic enamel finish (steel cabinets only)

## ORDERING PROCEDURE

- Select the cabinet finish
- Select if you need a 1-1/2" Rack Assembly
- Rack Assembly 1-1/2" with Hose Rack 75 FT
- Rack Assembly 1-1/2" with Hose Rack 100 FT



| FIGURE | Mounting Style | Trim A | Inside Box Dimensions |       |      | Frame O.D |       | Knockout Location |     |     |     | Wall Opening |     |     | ADA |
|--------|----------------|--------|-----------------------|-------|------|-----------|-------|-------------------|-----|-----|-----|--------------|-----|-----|-----|
|        |                |        | B                     | C     | D    | E         | F     | G                 | H   | J   | K   | W            | H   | D   |     |
| C150   | Surface        | 9"     | 27" ¼                 | 33 ¼" | 8 ¼" | 27 ½"     | 33 ½" | ...               | ... | ... | ... | ...          | ... | ... | No  |

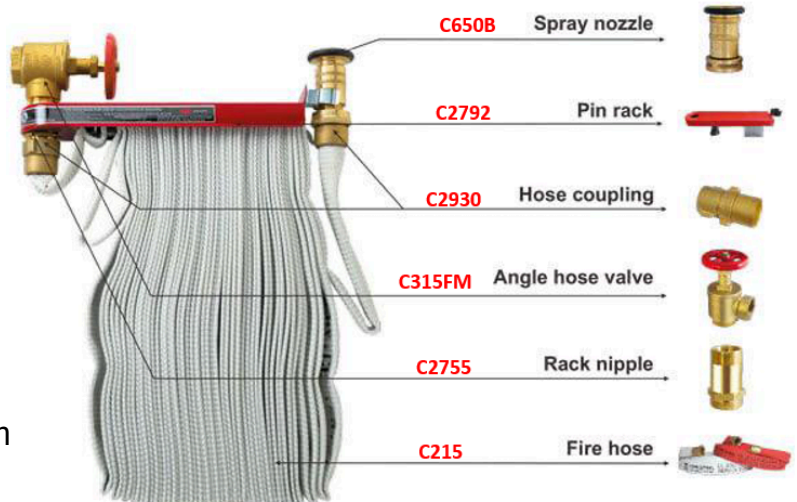
# FIRE HOSE RACK ASSEMBLY

**FIGURE C200**

## FUNCTIONS

The C200 Fire Hose Rack Assembly is a Class II Service and is an immediate and readily available means of controlling and suppressing fire by one person.

The semi-automatic swing fire hose rack release mechanism, keeping water out of the hose (when valve is open) until the last fold is released.



## ASSEMBLY COMPONENTS



**C2792** Red swing hose rack. UL/ULC Listed and FM Approved

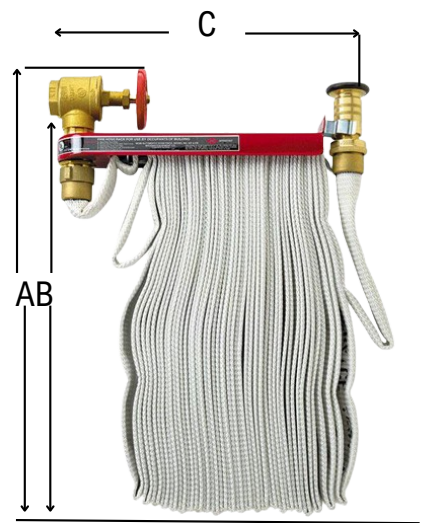
**C315FM** UL/ULC Listed and FM Approved 300 lb pressure tested approved valve. Heavy Duty 1½" angle hose valve.

**C2755** Brass Male to Male Hose Rack nipple

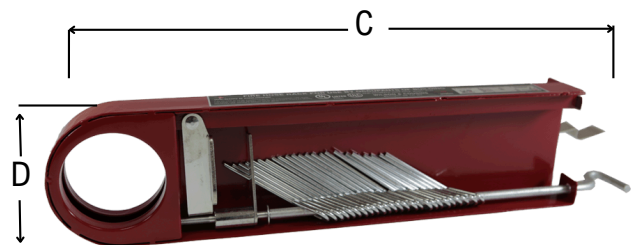
**C650B** UL/ULC Listed and FM Approved 1½" Brass combination fog nozzle with bumper.

**C215** UL/ULC Listed and FM Approved 1½" 500 PSI proof pressure fire hose.

**C2930** 1½" Brass Expansion Ring Couplings




**C215 Fire Hose**





| ORDER AND PROCEDURE | Hose Length Ft. | Valve Size In. | Hose Dia. In. | Dimensions |       |       |       |      |
|---------------------|-----------------|----------------|---------------|------------|-------|-------|-------|------|
|                     |                 |                |               | A In.      | B In. | C In. | D In. | Pins |
| <b>C275</b>         | 75              | 1½             | 1½            | 29½"       | 29"   | 21"   | 4¼"   | 20   |
| <b>C210</b>         | 100             | 1½             | 1½            | 29½"       | 29"   | 21"   | 4¼"   | 25   |


## ANGLE HOSE VALVE



It is used with a fire hose rack assembly or as a fire department outlet connection. The valve is constructed from cast brass and features a red handwheel.









| Angle-Hose Valve<br>TECHNICAL SPECIFICATION |                    |
|---|--------------------|
| Figure                                      | C325FM             |
| Material                                    | Bronze             |
| Size  | 2 1/2" FNPT X MNST |
| PSI   | 300 PSI            |









| Angle-Hose Valve<br>TECHNICAL SPECIFICATION |               |
|---|---------------|
| Figure                                      | C325FF        |
| Material                                    | Bronze        |
| Size  | 2 1/2" FNPTXF |
| PSI   | 300 PSI       |



| Angle-Hose Valve with Hydrolator<br>TECHNICAL SPECIFICATION |               |
|---|---------------|
| Figure  | C315FF        |
| Material  | Bronze        |
| Size  | 1 1/2" FNPTXF |
| PSI   | 300 PSI       |









| Angle-Hose Valve with Hydrolator<br>TECHNICAL SPECIFICATION |                  |
|---|------------------|
| Figure  | C315FM           |
| Material  | Bronze           |
| Size  | 1 1/2" FNPTXMNST |
| PSI   | 300 PSI          |


## FDC CONNECTIONS



Siamese connections are devices installed in fire protection systems to provide an additional water supply input via firefighter hoses. Their design ensures an unobstructed waterway and economically meets fire department inlet requirements.



| Siamese Connections with Clapper<br>TECHNICAL SPECIFICATION |                      |
|---|----------------------|
| Figure  | C340SC               |
| Material  | Bronze               |
| Size - Strait Body  | 4" X 2 1/2" X 2 1/2" |
| GPM   | 500 FDC              |



| Siamese Connections with Clapper<br>TECHNICAL SPECIFICATION |                      |
|---|----------------------|
| Figure  | C340SCA              |
| Material  | Bronze               |
| Size - Angle Body   | 4" X 2 1/2" X 2 1/2" |
| GPM   | 500 FDC              |



### Siamese connections with clapper

#### TECHNICAL SPECIFICATION

|          |                    |
|----------|--------------------|
| Figure   | C340SC             |
| Material | Bronze             |
| Size     | 4" X2 1/2" X2 1/2" |
| GPM      | 500GPM             |

## Valves

It is used on hydrants, standpipes, and fire pumps up to 300 lbs. 2-1/2" Straight Pattern Gate Valve with non-rising stem and swivel inlet.



### Hydrant Gate Valve

#### TECHNICAL SPECIFICATION

|          |            |
|----------|------------|
| Figure   | C325HFM    |
| Material | Bronze     |
| Size     | 2 1/2" FXM |
| PSI      | 300 PSI    |



### Brass Swing Check Valve

#### TECHNICAL SPECIFICATION

|          |                          |
|----------|--------------------------|
| Figure   | C350T                    |
| Material | Bronze                   |
| Size     | 2 1/2", 4" NPT M X NPT F |
| PSI      | 300 PSI                  |

### Available as:

- Angle hose valve
- Pressure restricting



Female X Male



With Caps and Chains



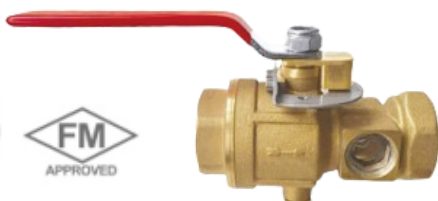
### Adjustable Pressure

#### TECHNICAL SPECIFICATION

|          |                |
|----------|----------------|
| Figure   | C325CFM        |
| Material | Bronze         |
| Size     | 1 1/2", 2 1/2" |
| PSI      | 175 PSI        |

## TEST & DRAIN VALVE

It is a multifunctional valve used in automatic fire sprinkler systems. Its primary purpose is to facilitate system testing and draining.



### Test & Drain Valve

#### TECHNICAL SPECIFICATION

|          |                |
|----------|----------------|
| Figure   | C300T          |
| Material | Bronze         |
| Size     | 1", 1 1/4", 2" |
| PSI      | 300 PSI        |



## HOSE RACK COVER

The hose rack cover slips over the Semi-Automatic Hose Rack to protect the hose, nozzle, and swing rack from the elements and keep it covered from any dust. The hose rack cover is made of UV and Ozone-resistant material and has a highly visible fluorescent color with bold lettering on both sides. The rack cover is easily removable and made with Velcro fasteners.



**FIGURE C410R  
ROUND RACK COVER**

**FIGURE C410S  
SQUARE RACK COVER**

## FIRE HOSE REEL

Fire Hose reel is used as an efficient, compact package providing stationary hose storage and easy deployment of collapsible hose. The hose reel is made of cold-rolled tubular steel rims and solid steel spokes and when mounted on the rugged steel brackets can swing at 180 degrees.



**FIGURE C426  
HOSE REEL**

| Figure    | Hose Size<br>Inches (mm) | Rack Hose<br>Feet (m) | Single Jacket<br>Feet (m) | DBL Jacket<br>Feet (m) |
|-----------|--------------------------|-----------------------|---------------------------|------------------------|
| CIE7-24"P | 1 - ½ (38)               | 100 (30.5)            | 75 (23)                   | 50 (15)                |
| CIE7-V5   | 2 (51) or 2-½ (65)       | 150 (45.7)            | 100 (30.5)                | 75 (23)                |
| CIE7-V5   | 1 - ½ (38)               | 300 (91.4)            | 200 (61)                  | 150 (45.7)             |
| CIE7-V7   | 2 (51) or 2 - ½ (65)     |                       | 200 (61)                  | 150 (45.7)             |



| Brass Plug & chain      |                |
|-------------------------|----------------|
| TECHNICAL SPECIFICATION |                |
| Figure                  | C500B          |
| Material                | Bronze         |
| Size                    | 1 1/2", 2 1/2" |
| Finish                  | Brass/Chrome   |



| Plastic Cap & Chain     |                |
|-------------------------|----------------|
| TECHNICAL SPECIFICATION |                |
| Figure                  | C500P          |
| Material                | Plastic        |
| Size                    | 1 1/2", 2 1/2" |
| Finish                  | Brass/Chrome   |



| Plastic Cap & Chain     |            |
|-------------------------|------------|
| TECHNICAL SPECIFICATION |            |
| Figure                  | C525P      |
| Material                | Plastic    |
| Size                    | 2 1/2"     |
| Finish                  | Red/Chrome |



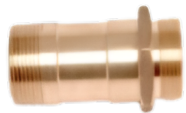
| Brass Reducer with either pin lug |                                   |
|-----------------------------------|-----------------------------------|
| TECHNICAL SPECIFICATION           |                                   |
| Figure                            | C500R                             |
| Material                          | Bronze                            |
| Size                              | 2 1/2"x1/2", 3/4", 1", 1 1/2", 2" |
| Finish                            | Brass                             |



| Hex Swivel Adaptor Male NPT x Female |              |
|--------------------------------------|--------------|
| TECHNICAL SPECIFICATION              |              |
| Figure                               | C525A        |
| Material                             | Bronze       |
| Size                                 | 2 1/2"       |
| Finish                               | Brass/Chrome |



| Hexagon swivel Hose Adapter |              |
|-----------------------------|--------------|
| TECHNICAL SPECIFICATION     |              |
| Figure                      | C525HA       |
| Material                    | Bronze       |
| Size                        | 2 1/2"       |
| Finish                      | Brass/Chrome |



| Rack Nipple Male NPT x Male NYFD |              |
|----------------------------------|--------------|
| TECHNICAL SPECIFICATION          |              |
| Figure                           | C2755        |
| Material                         | Bronze       |
| Size                             | 1 1/2"       |
| Finish                           | Brass/Chrome |



| Adapter Hex Male X Male |                              |
|-------------------------|------------------------------|
| TECHNICAL SPECIFICATION |                              |
| Figure                  | C500AMM                      |
| Material                | Bronze                       |
| Size                    | 1 1/2"x 1 1/2" 2 1/2"x2 1/2" |
| Finish                  | Brass/Chrome plated          |



| Adapter Hex Female X Female |                              |
|-----------------------------|------------------------------|
| TECHNICAL SPECIFICATION     |                              |
| Figure                      | C500AFF                      |
| Material                    | Bronze                       |
| Size                        | 1 1/2"x 1 1/2" 2 1/2"x2 1/2" |
| Finish                      | Brass/Chrome                 |



| Reducer Female X Male   |          |
|-------------------------|----------|
| TECHNICAL SPECIFICATION |          |
| Figure                  | C560AFM  |
| Material                | Bronze   |
| Size                    | 6"x4"FXM |



| <b>Brass Nozzle</b>            |               |
|--------------------------------|---------------|
| <b>TECHNICAL SPECIFICATION</b> |               |
| Figure                         | C650B         |
| Material                       | Bronze        |
| Size                           | 1 ½"          |
| Finish                         | Chrome or Red |
| PSI                            | 100 PSI       |



| <b>Lexan Nozzle</b>            |               |
|--------------------------------|---------------|
| <b>TECHNICAL SPECIFICATION</b> |               |
| Figure                         | C650P         |
| Material                       | Lexan         |
| Size                           | 1 ½"          |
| Finish                         | Chrome or Red |
| PSI                            | 100 PSI       |



| <b>Adjustable Hydrant Wrench</b> |                 |
|----------------------------------|-----------------|
| <b>TECHNICAL SPECIFICATION</b>   |                 |
| Figure                           | C600AHW         |
| Material                         | Aluminum        |
| Size                             | 2 ½" Heavy Duty |



| <b>Grip-All Spanner Wrench</b> |          |
|--------------------------------|----------|
| <b>TECHNICAL SPECIFICATION</b> |          |
| Figure                         | C600GSW  |
| Material                       | Aluminum |

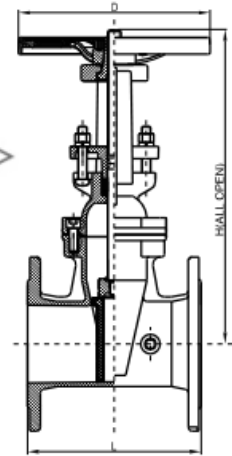


| <b>Double Head Adjustable Hydrant Wrench</b> |          |
|--|----------|
| <b>TECHNICAL SPECIFICATION</b>               |          |
| Figure                                       | C600DHAW |
| Material                                     | Aluminum |
| Size   | 19-½"    |

### RESILIENT SEATED OS&Y TYPE-FLANGED ENDS

#### DESCRIPTION

1. Valve Standard  
conforms to AWWA C515 / BS5163  
Fusion-bonded coating comply with AWWA C550
2. Working Pressure  
200PSI/250PSI/300PSI
3. Working Temperature  
-10°C to 120°C
4. Connection Ends  
ANSI B16.1CLASS125/B16.  
42 CLASS150  
EN1092-2PN16



| Part Name | Material                | Specification |
|-----------|-------------------------|---------------|
| Body      | Ductil Iron             | A536 65-45-12 |
| Wedge     | Ductil Iron EPDM coated |               |
| Wedge Nut | Stainless Steel         | AISI 304      |
| Stem      | Stainless Steel         | AISI 304/420  |
| Bonnet    | Ductil Iron             | A536 65-45-12 |
| Gasket    | EPDM                    | Commercial    |
| Packing   | PTFE                    | Non-asbestos  |
| Stem Nut  | Bronze                  | ASTM B62      |
| Handwheel | Ductil Iron             | A536 65-45-12 |

#### Dimension (mm /inch)

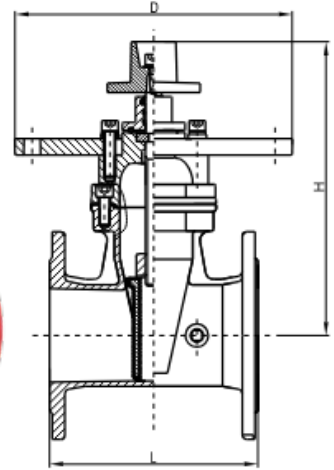
| Size | mm   | 50    | 65    | 80    | 100   | 125   | 150   | 200   | 250   | 300   |
|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      | inch | 2     | 2½    | 3     | 4     | 5     | 6     | 8     | 10    | 12    |
| L    | mm   | 178.0 | 191.0 | 203.0 | 229.0 | 254   | 267   | 292.0 | 330.0 | 356   |
|      | inch | 7.00  | 7.50  | 8.0   | 9.00  | 10.00 | 10.50 | 11.50 | 13.00 | 14.00 |
| H    | mm   | 411   | 411   | 462   | 514   | 629   | 709   | 922   | 1116  | 1300  |
|      | inch | 16.18 | 16.18 | 18.19 | 20.24 | 24.76 | 27.91 | 36.30 | 43.94 | 51.18 |
| D    | mm   | 183   | 183   | 253   | 253   | 306   | 306   | 355   | 445   | 445   |
|      | inch | 7.20  | 7.20  | 9.96  | 9.96  | 12.05 | 12.05 | 13.98 | 17.52 | 17.52 |

| Size | mm   | 350   | 400   | 450   | 500   | 600    |
|------|------|-------|-------|-------|-------|--------|
|      | inch | 14    | 16    | 18    | 20    | 24     |
| L    | mm   | 381   | 406   | 432   | 457   | 508    |
|      | inch | 15.00 | 15.98 | 17.01 | 17.99 | 20.00  |
| H    | mm   | 1577  | 1800  | 2048  | 2297  | 2600   |
|      | inch | 62.09 | 70.87 | 80.63 | 90.43 | 102.36 |
| D    | mm   | 508   | 558   | 610   | 610   | 762    |
|      | inch | 20.00 | 21.97 | 24.02 | 24.02 | 30.00  |

## RESILIENT SEATED NRS TYPE-FLANGED ENDS

### DESCRIPTION

1. Valve Standard  
conforms to AWWA C515 / BS5163  
Fusion-bonded coating comply with AWWA C550
2. Working Pressure  
200PSI/250PSI/300PSI
3. Working Temperature  
-10°C to 120°C
4. Connection Ends  
ANSI B16.1CLASS125/B16.  
42CLASS150  
EN1092-2PN16



| Part Name     | Material                | Specification |
|---------------|-------------------------|---------------|
| Body          | Ductil Iron             | A536 65-45-12 |
| Wedge Disc    | Ductil Iron EPDM coated |               |
| Disc Nut      | Bronze                  | ASTM B62      |
| Stem          | Stainless Steel         | AISI 304/420  |
| Gasket        | EPDM                    | Commercial    |
| Bonnet        | Ductil Iron             | A536 65-45-12 |
| Thrust Collar | Bronze                  | ASTM C51 100  |
| Gland         | Ductil Iron             | A536 65-45-12 |
| Wrench Nut    | Ductil Iron             | A536 65-45-12 |
| Post Plate    | Ductil Iron             | A536 65-45-12 |

### Dimension (mm /inch)

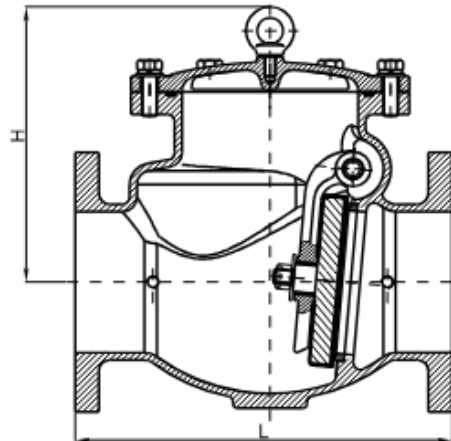
| Size | mm   | 50    | 65    | 80    | 100   | 125   | 150   | 200   | 250   | 300   |
|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      | inch | 2     | 2½    | 3     | 4     | 5     | 6     | 8     | 10    | 12    |
| L    | mm   | 178   | 191   | 203   | 229   | 254   | 267   | 292   | 330   | 356   |
|      | inch | 7.00  | 7.50  | 8.00  | 9.00  | 10.00 | 10.50 | 11.50 | 13.00 | 14.00 |
| H    | mm   | 279   | 279   | 305   | 324   | 394   | 428   | 537   | 640   | 723   |
|      | inch | 10.98 | 10.98 | 12.01 | 12.76 | 15.51 | 16.85 | 21.14 | 25.20 | 28.46 |
| D    | mm   | 305   | 305   | 305   | 305   | 305   | 305   | 305   | 305   | 305   |
|      | inch | 12.01 | 12.01 | 12.01 | 12.01 | 12.01 | 12.01 | 12.01 | 12.01 | 12.01 |

| Size | mm   | 350   | 400   | 450   | 500   | 600   |
|------|------|-------|-------|-------|-------|-------|
|      | inch | 14    | 16    | 18    | 20    | 24    |
| L    | mm   | 381   | 406   | 432   | 457   | 508   |
|      | inch | 15.00 | 15.98 | 17.01 | 17.99 | 20.00 |
| H    | mm   | 862   | 938   | 1057  | 1142  | 1295  |
|      | inch | 33.94 | 36.93 | 41.61 | 44.96 | 50.98 |
| D    | mm   | 305   | 305   | 305   | 305   | 305   |
|      | inch | 12.01 | 12.01 | 12.01 | 12.01 | 12.01 |

## RESILIENT SEATED FLANGED ENDS

### DESCRIPTION

1. Valve Standard  
conforms to AWWA C508, Clear Waterway  
Fusion-bonded coating comply with AWWA C550
2. Working pressure  
200PSI/250PSI/300PSI  
Working Temperature  
-10°C to 110°C
3. Flanged Ends  
ANSI  
B16.1CLASS125/B16.42CLASS150/B6.CLASS250  
EN 1092-2 PN 16/PN25



| Part Name   | Material        | Specification      |
|-------------|-----------------|--------------------|
| Body        | Ductile Iron    | ASTM A536 65-45-12 |
| Cover       | Ductile Iron    | ASTM A536 65-45-12 |
| Clapper     | Carbon Steel    | A36+SS304+EPDM     |
| Clapper Arm | Ductile Iron    | ASTM A536 6-45-12  |
| Hinge Pin   | Stainless Steel | AISI 304           |
| Seat        | Bronze          | ASTM C84400        |

| Dimension<br>(mm /inch) |      |      |      |       |       |       |       |       |       |       |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| Size                    | mm   | 50   | 65   | 80    | 100   | 125   | 150   | 200   | 250   | 300   |
|                         | inch | 2    | 2½   | 3     | 4     | 5     | 6     | 8     | 10    | 12    |
| L                       | mm   | 203  | 254  | 279   | 330   | 356   | 406   | 495   | 559   | 660   |
|                         | inch | 8    | 10   | 11    | 13    | 14    | 16    | 19.5  | 22    | 26    |
| H                       | mm   | 117  | 128  | 132.5 | 222.5 | 290   | 297   | 365   | 417.5 | 453   |
|                         | inch | 4.61 | 5.04 | 5.22  | 8.76  | 11.42 | 11.69 | 14.37 | 16.44 | 17.83 |

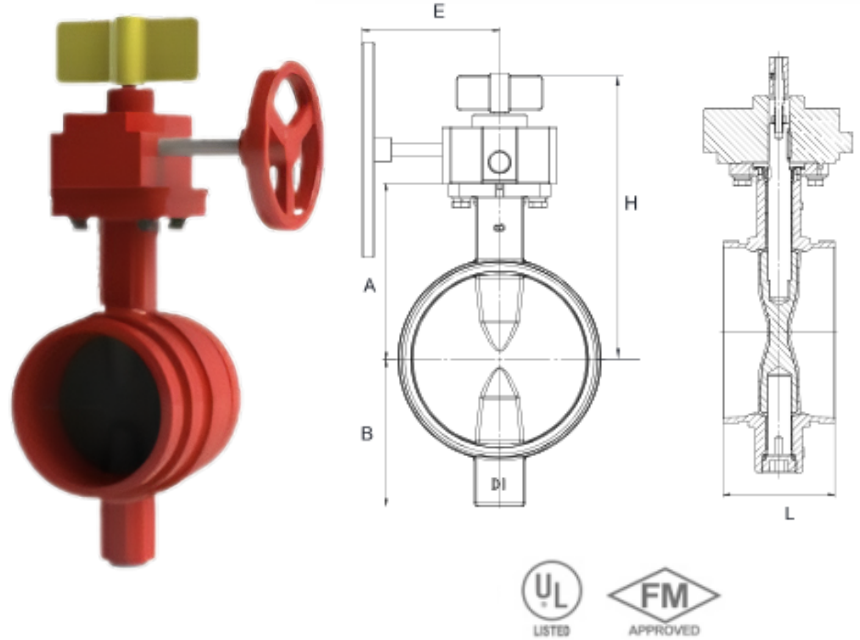
# BUTTERFLY VALVE WITH TAMPER SWITCH

**FIGURE  
C1000**

## GROOVED BUTTERFLY VALVE

### DESCRIPTION

1. Valve Standard  
Fusion-bonded coating comply  
with FM 1112, UL 1091
2. Face-to-face Standard  
MSS-SP67 Long
3. Test Standard  
FM 1112. UL 1091
4. Working pressure  
200PSI/250PSI/300PSI
5. Working temperature  
-10°C to 120°C
6. Double Tamper Switch



| Component           | Material                | Specification       |
|---------------------|-------------------------|---------------------|
| Body                | Ductil iron             | ASTM A536           |
| Disc                | Ductil iron EPDM Coated | ASTM A536+EPDM      |
| Upper & Lower Stems | Stainless steel         | AISI 410            |
| O-Ring              | EPDM                    |                     |
| Bushing             | Bronze                  | ASTM B150M C63000   |
| Gland               | Galvanized Carbon Steel | Surface Passivation |
| Washer              | Galvanized Carbon Steel | Surface Passivation |
| Plug                | Galvanized Carbon Steel | Surface Passivation |
| Gear Box Housing    | Ductil Iron             | ASTM A536           |
| Gear Box Fasteners  | Galvanized Carbon Steel | Surface Passivation |

| Valve Size | Dimension (mm /inch) |         |      |       |             |             |       |     |        |  |
|------------|----------------------|---------|------|-------|-------------|-------------|-------|-----|--------|--|
|            | 50                   | 65      | 80   | 100   | 125         | 150         | 200   | 250 | 300    |  |
| Size mm    | 50                   | 65      | 80   | 100   | 125         | 150         | 200   | 250 | 300    |  |
| inch       | 2                    | 2½      | 3    | 4     | 5           | 6           | 8     | 10  | 12     |  |
| A          | 95                   | 98      | 105  | 135   | 148         | 165         | 204   | 245 | 277.5  |  |
| B          | 72                   | 78      | 85   | 105   | 128         | 140         | 170   | 205 | 258.3  |  |
| L          | 84.5                 | 98      | 98   | 116   | 149         | 147.6       | 134   | 160 | 165    |  |
| E          | 125                  | 125     | 125  | 125   | 140         | 140         | 159   | 159 | 228    |  |
| H          | 213                  | 216     | 223  | 253   | 269         | 285         | 325   | 373 | 403.5  |  |
| ØD         | 60.3                 | 73/76.1 | 88.9 | 114.3 | 139.7/141.3 | 165.1/168.3 | 219.1 | 273 | 323.85 |  |

### RESILIENT SEATED GROOVED ENDS

#### DESCRIPTION

1. Valve Standard

Fusion bonded coating comply with AWWA C550

2. Features

Can be installed horizontally or vertically (with upward flow)

Convenient to install and maintain

Low pressure drop

3. Working pressure

200 PSI / 250 PSI / 300 PSI / 365 PSI

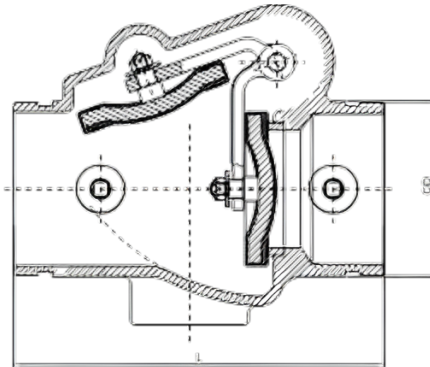
4. Working Temperature

0°C to 80° C

5. Connection Ends

AWWA C 606

VDS2100



| Part No.                | Material        | Standard specification |
|-------------------------|-----------------|------------------------|
| Body                    | Ductil Iron     | ASTM A536 65-45-12     |
| Seat                    | Bronze          | ASTM B62 C83600        |
| Clapper                 | Q235+SS304+EPDM |                        |
| Clapper Arm             | Stainless steel | ASTM A351 CF8          |
| Washer                  | Stainless steel | AISI 304               |
| Hexagonal Slot Thin Nut | Stainless steel | AISI 304               |
| Split Pin               | Stainless steel | AISI 304               |

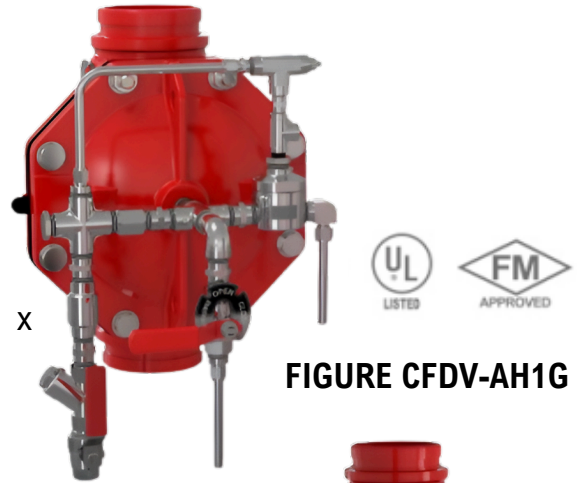
| Valve Size  | Dimension Inch (mm) |      |           |      |       |             |             |       |     |        |
|-------------|---------------------|------|-----------|------|-------|-------------|-------------|-------|-----|--------|
|             | mm                  | 50   | 65        | 80   | 100   | 125         | 150         | 200   | 250 | 300    |
| <b>SIZE</b> | inch                | 2    | 2 ½       | 3    | 4     | 5           | 6           | 8     | 10  | 12     |
| <b>L</b>    | mm                  | 169  | 203       | 213  | 245   | 267         | 292         | 356   | 432 | 495    |
| <b>OD</b>   | mm                  | 60.3 | 73.0/76.1 | 88.9 | 114.3 | 139.7/141.3 | 165.1/168.3 | 219.1 | 273 | 323.85 |



## REMOTE RESET DELUGE VALVE

### DESCRIPTION

1. Fluid: Water, Brackish water, Sea water, Foam.
2. Size Range: 40mm to 250mm (1½" to 10")
3. Available connections Ends: Flange x Flange, Groove x Groove, Flange x Groove, Groove x Flange, Thread x Thread
4. Nominal Pressure: 250 PSI (17.2 bar).



**FIGURE CFDV-AH1G**

### Actuator

- Hydraulic
- Pneumatic Remote
- Electro-Pneumatic Remote

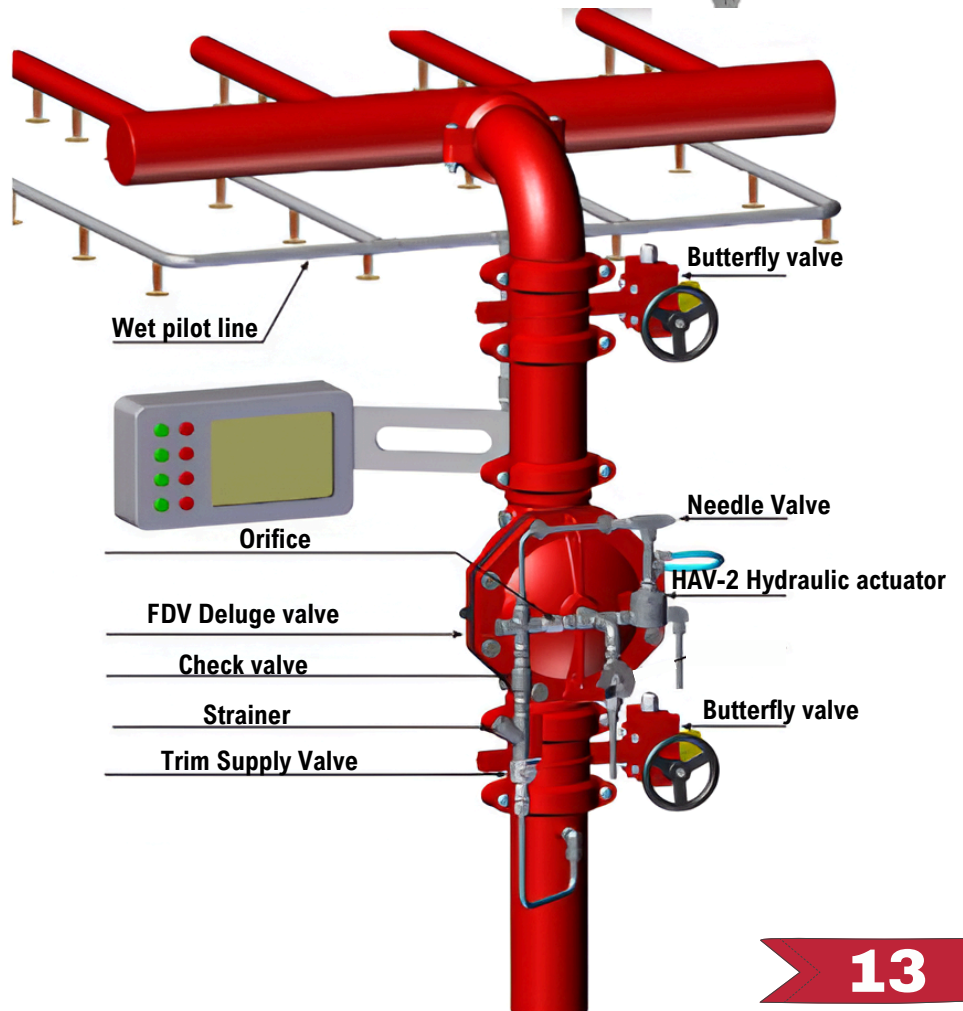
### Trim Orientation

- Horizontal
- Vertical

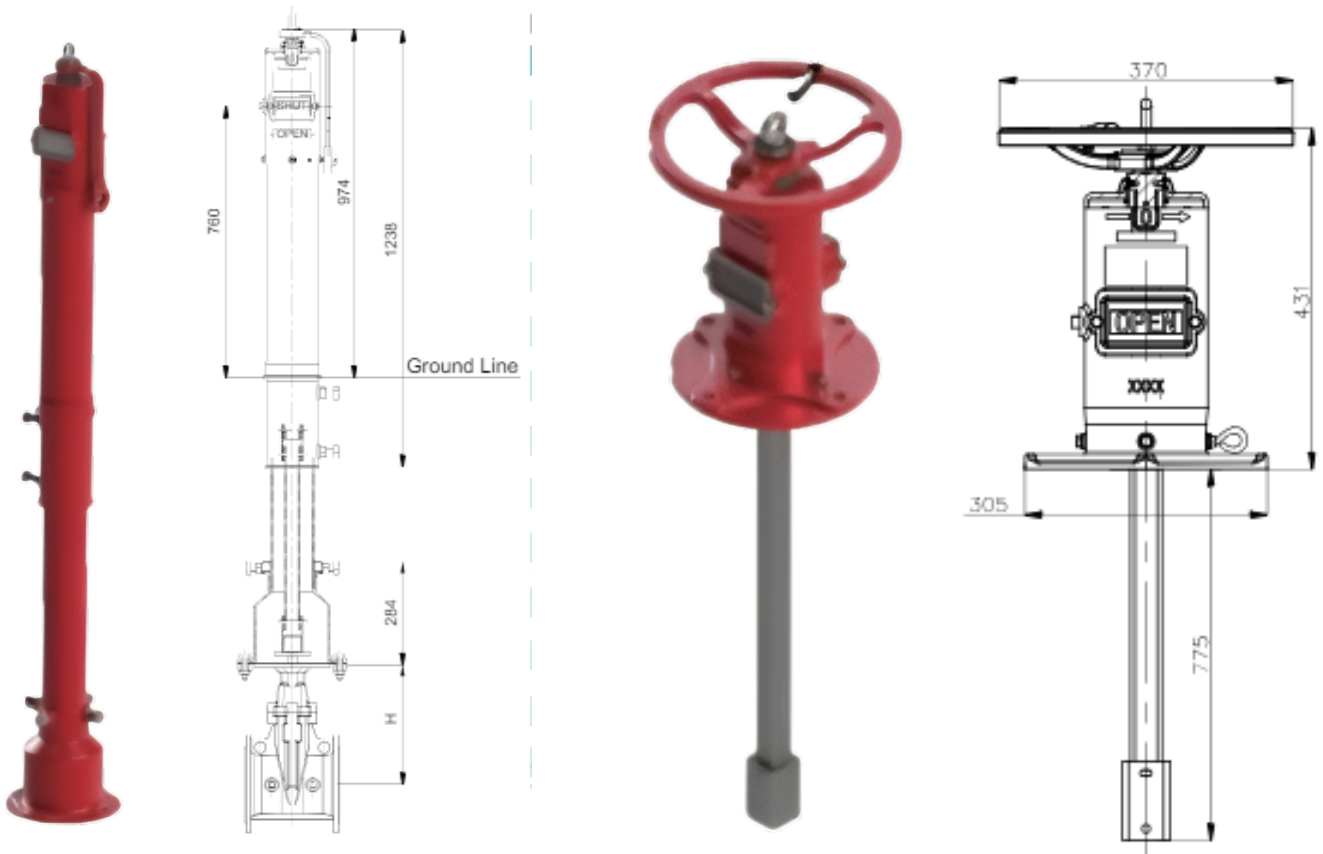
### Material

- Stainless Steel 316
- Brass
- Cupro-Nickel
- Monel®

### Typical installation



Our Post Indicators are UL Listed / FM Approved. They are used to identify the position of buried Gate Valves (Post Indicator Valves) and are recommended for use in fire protection piping systems.



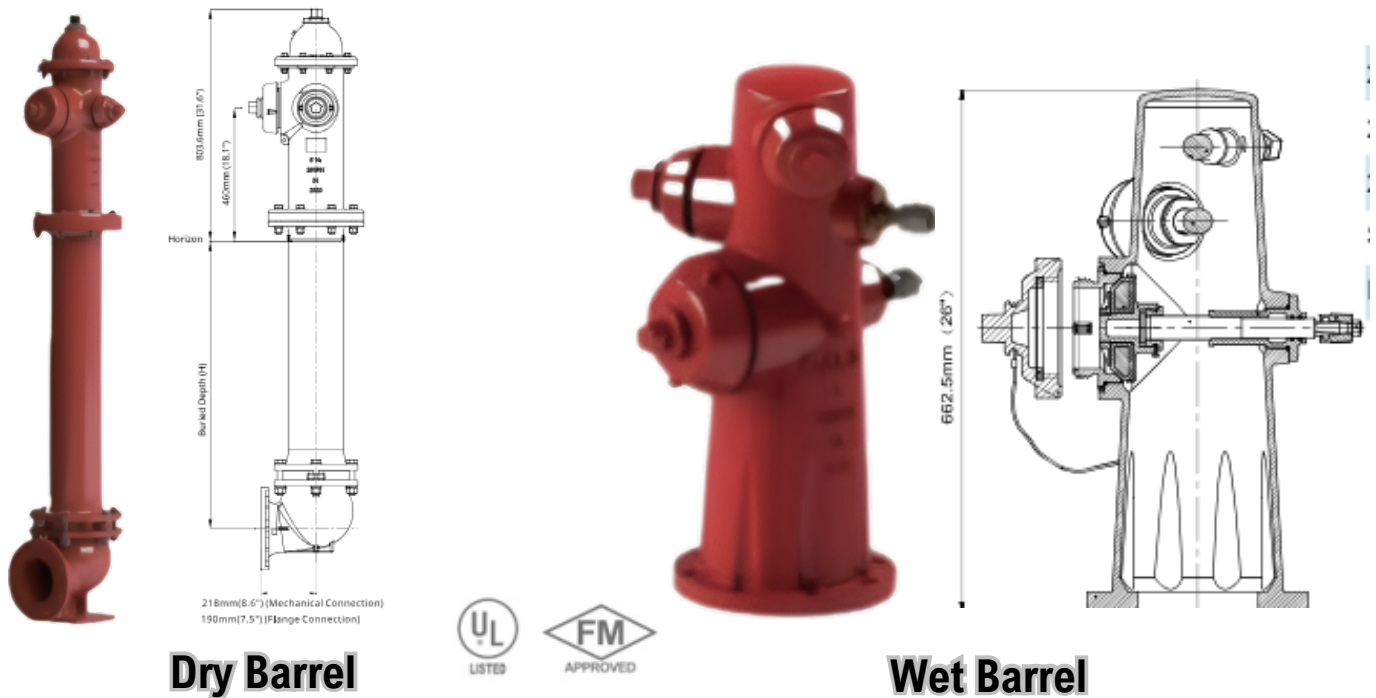
**UNDERGROUND TYPE**



**WALL TYPE**

| Size            | Dimension |      |      |      |      |      |      |      |      |  |
|-----------------|-----------|------|------|------|------|------|------|------|------|--|
|                 | Inch (mm) |      |      |      |      |      |      |      |      |  |
| Size            | 2"        | 2½"  | 3"   | 4"   | 5"   | 6"   | 8"   | 10"  | 12"  |  |
| Min. Bury Depth | 623       | 623  | 643  | 667  | 728  | 762  | 847  | 942  | 1028 |  |
| Max. Bury Depth | 1493      | 1493 | 1513 | 1537 | 1598 | 1632 | 1717 | 1812 | 1898 |  |
| H               | 196       | 196  | 224  | 252  | 343  | 343  | 423  | 534  | 613  |  |

The fire hydrants are UL Listed / FM Approved and are rated at 250 psi water working pressure. Available in a mechanical joint or flanged connection, 3 outlets, 2 for hose nozzle of 2-1/2" and one for pumper nozzle of 4" or 4-1/2"



### Technical Specification

| Dry Barrel             |   |
|------------------------|---|
| Design Standard        | FM 1510/UL 246/AWWA C502                                |
| Coating Standard       | AWWA C550   |
| Nozzle Thread Standard | NFPA 1963   |
| Hose Nozzle            | 2-1/2"-Two  |
| Pumper Nozzle          | 4" or 4-1/2"-One  |
| Mechanical Joint       | Size: 6" ANSI/AWWA C111/A21.11<br>ANSI/AWWA C153/A21.53 |
| Flange End             | Size: 6" ANSI Class 125 / 150<br>BS EN 1092-2PN10/16    |
| Working Pressure       | 250 PSI   |

| Wet Barrel              |   |
|-------------------------|---|
| Design Standard         | FM 1511/UL 246/AWWA C503                            |
| Coating Standard        | AWWA C550   |
| Hose Nozzle             | 2.5" *2   |
| Pumper Nozzle           | 4.5" or 4" *1                                       |
| Nozzle Standard         | NFPA 1963   |
| Monitor Flange          | Size:4"-ANSI Class 125                              |
| Inlet Flange Connection | Size: 6" ANSI Class 125 /150<br>BS EN 1092-2PN10/16 |
| Working Pressure        | 250 PSI   |

### Select burial depth for Dry Barrel Fire Hydrants

| Buried Depth (H) |     |     |     |       |       |       |       |       |       |       |       |  |
|------------------|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Inch             | 1"  | 2"  | 3"  | 3"-6" | 4"-0" | 4"-6" | 5"-0" | 5"-6" | 6"-0" | 6"-6" | 7"-0" |  |
| mm               | 326 | 543 | 848 | 1001  | 1153  | 1306  | 1458  | 1611  | 1763  | 1916  | 2068  |  |

# GROOVED FITTINGS

**FIGURE  
C1500**

## Flexible Grooved Coupling



Sizes 2" - 10"



## 90° Grooved Elbow



Sizes 2" - 10"



## Grooved Tee



Sizes 2" - 10"



## Mechanical Tee Grooved Outlet



Sizes  
1/2" x 1" - 4x2



## U - Bolt Mechanical Tee



Sizes  
1/2 x 1" - 3"x1"



## Flange Adapter ANSI Class 150



Sizes 2 1/2" - 8"



## Grooved Flange ANSI Class 150



Sizes 2" - 10"



**Ductile Iron  
Treated Fittings**



**Malleable Iron  
Treated Fittings**



**General Service  
Valves**



**Flanged Fittings**



**Fireloop**

Sizes 1" -12"  
Available in movements  
up to +/-45°



**Portable and wheeled  
Fire Extinguishers**

Chrome-plated brass valve  
and stainless-steel gauge  
guard.



**Pipe Hangers**



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## SHORTAGES DAMAGES

for any shortages must be filed within 10 business days of the shipping date.

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Should any failure to conform to this warranty be discovered within the Warranty Period (defined below) and written notice of such nonconformity is provided to Supplier promptly after such discovery and within the Warranty Period, upon return of the defective product to Supplier in accordance with the Supplier's instructions and the reasonable determination by Supplier that the product (a) does not conform to the warranty and (b) has been stored, installed, used, maintained and operated in accordance with recognized engineering and piping practices, industry standards and the installation and operating manuals supplied by Supplier, Supplier will correct such defects by suitable repair or replacement of the product at Supplier's own expense or refund the portion of the price applicable to the nonconforming portion of the product (which alternative shall be at the sole discretion of Supplier). If any portion of the product so repaired or replaced fails to conform to the foregoing warranty, and written notice of such nonconformity is provided to Supplier promptly after discovery and within the original Warranty Period applicable to such product or 30 days from completion of such repair or replacement, whichever is later, Supplier will repair or replace such nonconforming product. The original Warranty Period shall not otherwise be extended.



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