

**Title**

Material Submittal for Fire  
Hydrant & Post Indicator

**Brand**

AMERICAN AFC



**AMERICAN  
FIRE CONTROL**

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***Technical Data  
Sheets (Catalogues).***



# FIRE HYDEANT

# FW-9000 Wet Barrel Fire Hydrant



**AMERICAN FIRE CONTROL**  
QUALITY IS A PRIORITY

American AFC FW-9000 Wet Barrel Hydrants provide a connection point for firefighters to tap into a water supply. Wet Barrel Hydrants are used in climates where freezing is not an issue. The simple construction involves the mechanical parts of a wet barrel hydrant being above ground, with a main valve to prevent any debris from entering the hydrant. There is water in the barrel and hydrant at all times.

## SPECIFICATIONS

- Design and materials comply with AWWA C503
- Flanges conform to ASTM B16.5 class 150 (6")
- Fusion bonded epoxy coated inside and outside per AWWA C550
- 250 PSI working pressure factory tested 100% to 500 PSI
- Working temperature: 0°C to 80°C (32°F to 176°F)
- (1) 4.5" pumper nozzle and (2) 2.5" hose nozzle
- Designed to prevent damage to main valve if hit accidentally
- UL listed and FM approved

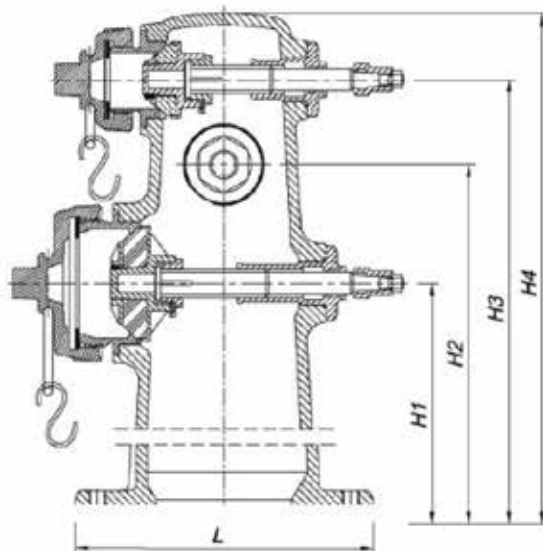


## PART LIST

| ID | PART                 | MATERIAL                        |
|----|----------------------|---------------------------------|
| 1  | Body                 | Ductile Iron ASTM A536 65-45-12 |
| 2  | Pumper Nozzle Cap    | Ductile Iron ASTM A536 65-45-12 |
| 3  | Pumper Nozzle        | Bronze ASTM B148 C95400         |
| 4  | Bolt                 | Stainless Steel 304             |
| 5  | Main Valve Holder    | Stainless Steel 304             |
| 6  | Hose Nozzle Cap      | Ductile Iron ASTM A536 65-45-12 |
| 7  | Hose Nozzle          | Bronze ASTM B148 C95400         |
| 8  | Stem                 | Stainless Steel 304             |
| 9  | Stem Nut             | Stainless Steel 304             |
| 10 | O-Ring               | EPDM                            |
| 11 | Pumper Nozzle Gasket | EPDM                            |
| 12 | Hose Nozzle Gasket   | EPDM                            |

## DIMENSIONS DATA

| L   | H1    | H2    | H3    | H4  |
|-----|-------|-------|-------|-----|
| 11" | 13.8" | 20.7" | 25.2" | 29" |



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AMERICAN FIRE CONTROL CO., LLC 255 S Orange Ave, Orlando, FL 32801, USA

+1 607 252 6814 info@american-afc.com www.american-afc.com



## SPECIFICATIONS

- Maximum Operating Pressure: 250 PSI (17.2 Bar)
- UL Listed, FM Approved for Fire Protection Roadside Service
- Conforms to AWWA C502 Requirements
- Factory Tested 100% to 500 PSI (34.5 Bar)
- Ductile Iron Body
- Steel Stem and Bronze Seat
- All Fasteners Below Ground 304 Stainless Steel
- Finish: Red and Black Epoxy Paint Interior and Exterior per AWWA C550
- Lubrication: Lube Oil Cold Temp
- Repairable Due to Traffic Breakage Without Excavation
- Seat and Disc Repairable Without Excavation
- Minimal Torque Seat and Disc Design for Closing and Opening Torque



## Models

**F-7700** ASME CLASS 150 / ISO PN16 Flanges

**F-8700** AWWA Mechanical joint

## INLET

- 6" (ND150) ASME B16.5 Class 150
- DIN 2503 PN16 Flanged
- 6" Mechanical Connection per AWWA / ANSI C153 / A21.53

## OUTLET

- Fire Pump Steamer 4 1/2" - 4nh
- 2 1/2" - 7.5NH Standard

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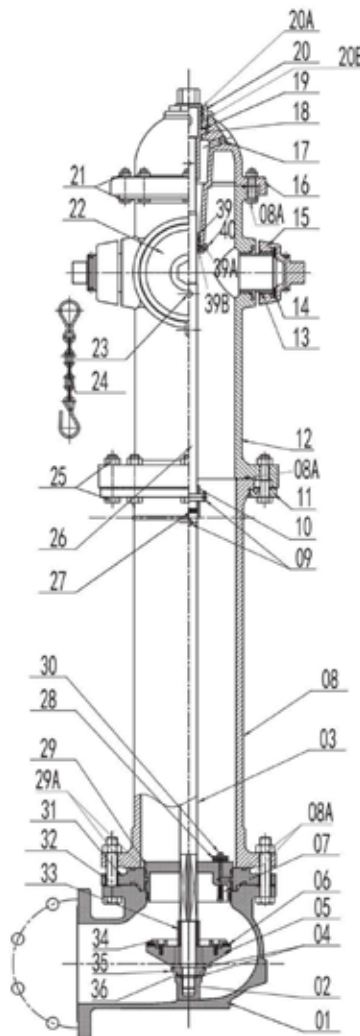


# DRY BARREL FIRE HYDRANT


**AMERICAN FIRE CONTROL**  
 QUALITY IS A PRIORITY

**DUCTILE IRON BODY • SEAT AND DISC REPAIRABLE WITHOUT EXCAVATION • AWWA C550 EPOXY COATED**
**250 PSI (17.2 BAR) MAXIMUM OPERATING PRESSURE**

**F-7700**
**ASME CLASS 150 /  
ISO PN16 FLANGES**

**F-8700**
**AWWA MECHANICAL  
JOINT**


## MATERIAL LIST

| ITEM | DESCRIPTION                 | SPECIFICATION                         |
|------|-----------------------------|---------------------------------------|
| 1    | Connector Inlet             | Ductile Iron ASTM A536 Grade 65-45-12 |
| 2    | Lock Nut                    | Ductile Iron ASTM A536 Grade 65-45-12 |
| 3    | Connecting Rod              | Carbon Steel 1045 ASTM A29/29M        |
| 4    | Lock Nut                    | Gasket EPDM ASTM D200                 |
| 5    | Tray                        | Ductile Iron ASTM A536 Grade 65-45-12 |
| 6    | Seal                        | EPDM ASTM D2000                       |
| 7    | Drain Hole Spring           | Stainless Steel 316 ASTM A240         |
| 8    | Lower Barrel                | Ductile Iron ASTM A536 Grade 65-45-12 |
| 8A   | O- Ring                     | NBR ASTM D2000                        |
| 9    | Perforated Cylinder Pin     | Carbon Steel 1045 ASTM A29/29M        |
| 10   | Connecting Rod Sleeve       | Carbon Steel 1045 ASTM A29/29M        |
| 11   | Clamp Ring                  | Ductile Iron ASTM A536 Grade 65-45-12 |
| 12   | Body Upper                  | Ductile Iron ASTM A536 Grade 65-45-12 |
| 13   | Outlet Nipple               | C95400 ASTM B148                      |
| 14   | Outlet Gasket               | EPDM ASTM D2000                       |
| 15   | Outlet Cap                  | Ductile Iron ASTM A536 Grade 65-45-12 |
| 16   | Upper Bonnet                | Ductile Iron ASTM A536 Grade 65-45-12 |
| 17   | Thread Plug                 | C95400 ASTM B148                      |
| 18   | Screw Stem Nut              | C95400 ASTM B148                      |
| 19   | Screw Nut Gasket            | C95400 ASTM B148                      |
| 20   | Screw Nut Seat              | C95400 ASTM B148                      |
| 20A  | O- Ring                     | NBR ASTM D2000                        |
| 20B  | O- Ring                     | NBR ASTM D2000                        |
| 21   | Bonnet Bolts and Nuts       | Carbon Steel 1035 ASTM A29/29M        |
| 22   | Pumper Connection Cap       | Ductile Iron ASTM A536 Grade 65-45-12 |
| 23   | Cylindrical Pin             | Carbon Steel 1045 ASTM A29/29M        |
| 24   | Cover Chain                 | Carbon Steel Gr B ASTM A283-B         |
| 25   | Body Bolts and Nuts         | Carbon Steel 1035 ASTM A29/29M        |
| 26   | Upper Stem                  | Carbon Steel 1045 ASTM A29/29M        |
| 27   | Cushion                     | EPDM ASTM D2000                       |
| 28   | Drain Hole Cover            | C95400 / EPDM                         |
| 29   | Seat                        | C95400 ASTM B148                      |
| 29A  | O- Ring                     | NBR ASTM D2000                        |
| 30   | Bolt and Nut                | Stainless Steel 304 ASTM A240         |
| 31   | Seat Retainer Plate         | Ductile Iron ASTM A536 Grade 65-45-12 |
| 32   | Lower Barrel Bolts and Nuts | 1035 ASTM A29/29M                     |
| 33   | Annular Tube                | Carbon Steel 1045 ASTM A29/29M        |
| 34   | Plate Retainer              | Ductile Iron ASTM A536 Grade 65-45-12 |
| 35   | Lock Nut Seat               | Ductile Iron ASTM A536 Grade 65-45-12 |
| 36   | Check Turn Gasket           | GR.B ASTM A283-B                      |
| 37   | Steamer Connector Tube      | C95400 ASTM B148                      |
| 38   | Steamer Gasket              | GR.B ASTM A283-B                      |
| 39   | Screw Stem Bushing          | Stainless Steel 304 ASTM A240         |
| 39A  | O- Ring                     | NBR ASTM D2000                        |
| 39B  | O- Ring                     | NBR ASTM D2000                        |
| 40   | Bolt                        | Stainless Steel 304 ASTM A240         |

Seat Repair Kit: Includes all seals, O-rings and removal tool "T" Handle. (1) item #4, (1) item #6, (1) item 8A, (1) item 20A, (1) item 20B, (2) item 29A (3) item 29B, (2) item 39A, (2) item 39B and (1) T handle stem wrench.

Traffic Repair Kit: Includes new connecting sleeve, clamp ring, pins and O-rings for above ground repair. (2) item 8A, (2) item 9, (1) item 10, (1) item 11, (1) item 20A, (1) item 27, (1) item 20B, (2) item 39A, (2) item 39B

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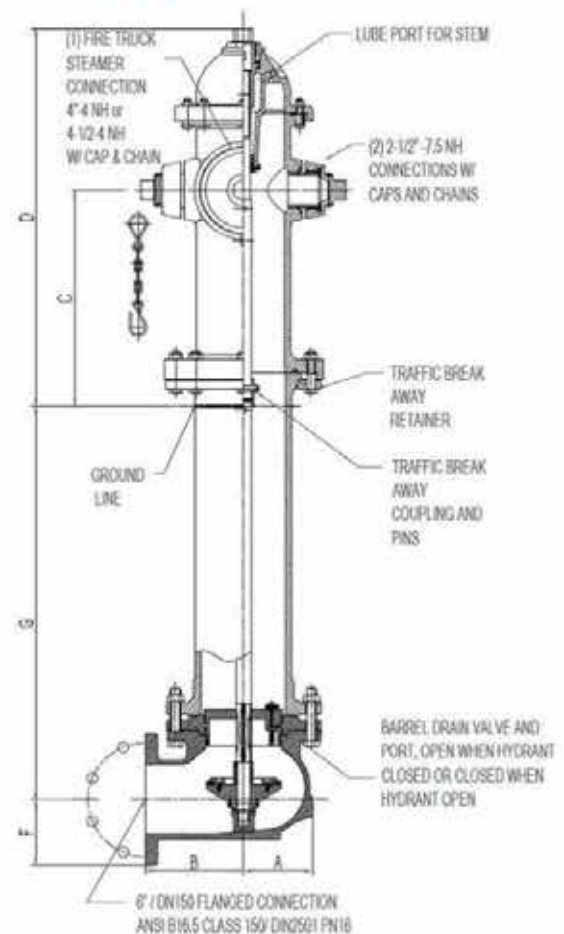
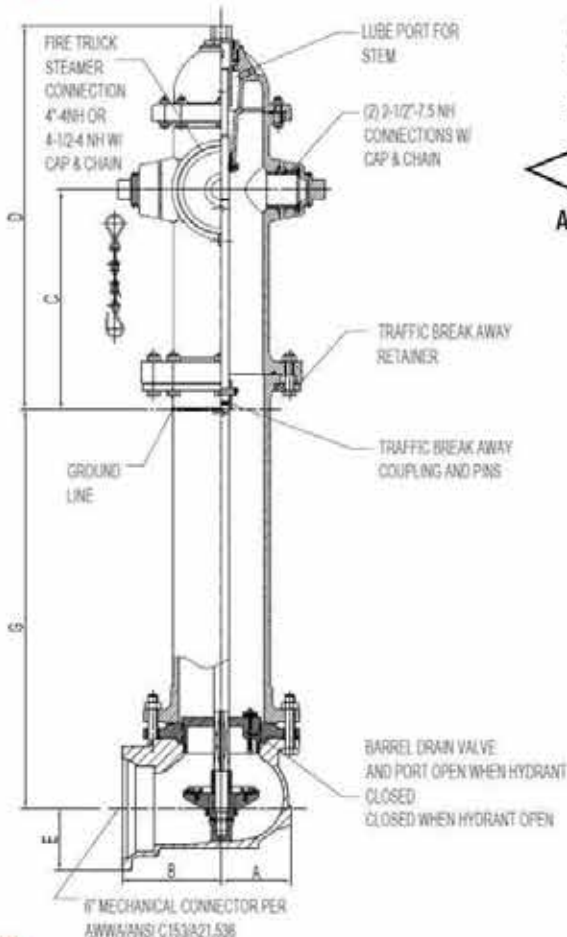
# DRY BARREL FIRE HYDRANT


**AMERICAN FIRE CONTROL**  
 QUALITY IS A PRIORITY

Dry Barrel Hydrant 6" (DN 150) Flanged or Mechanical Inlet, STD Outlets (2) 2 1/2" -7.5NH Male Outlets and (1) 4 1/2" - 4 NH Male Steamer Pumper Connection:

**F-8700**
**AWWA MECHANICAL  
JOINT**
**F-7700**
**ASME CLASS 150 /  
ISO PN16 FLANGES**

## DIMENSIONAL INFORMATION


**OPTIONS:**

- Inlet flanged ASME B16.5 Class 150 or ISO2501 PN16, or / mechanical AWWA C153 / A21.536
- Depth choose one of above Dimension "G"
- Outlet (2) 2 1/2" hose connection thread type specify, standard =7.5NH (other thread types available)
- Steamer pumper outlet standard=(1) 4 1/2"-4NH, also available 4"-4NH optional adapter fitting

| Part Number<br>Flanged | Part Number<br>Mechanical | A<br>(mm/ inch) | B<br>(mm/ inch) | C<br>(mm/ inch) | D<br>(mm/ inch) | E<br>(mm/ inch) | F<br>(mm/ inch) | G (mm/inch) | Weight<br>(kg) |
|------------------------|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------|----------------|
| F-7700                 | F-8700                    | 146/ 5.75       | 208/ 8.18       | 460/ 18.11      | 805/ 31.7       | 130/5.12        | 140/5.51        | 1063/42     | 185            |
|                        |                           |                 |                 |                 |                 |                 |                 | 1215/48     | 190            |
|                        |                           |                 |                 |                 |                 |                 |                 | 1368/54     | 196            |
|                        |                           |                 |                 |                 |                 |                 |                 | 1520/60     | 211            |
|                        |                           |                 |                 |                 |                 |                 |                 | 1673/66     | 220            |
|                        |                           |                 |                 |                 |                 |                 |                 | 1825/72     | 241            |
|                        |                           |                 |                 |                 |                 |                 |                 | 1978/78     | 246            |
|                        |                           |                 |                 |                 |                 |                 |                 | 2130/84     | 251            |

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# FW-9000 Wet Barrel Fire Hydrant



**AMERICAN FIRE CONTROL**  
QUALITY IS A PRIORITY

American AFC FW-9000 Wet Barrel Hydrants provide a connection point for firefighters to tap into a water supply. Wet Barrel Hydrants are used in climates where freezing is not an issue. The simple construction involves the mechanical parts of a wet barrel hydrant being above ground, with a main valve to prevent any debris from entering the hydrant. There is water in the barrel and hydrant at all times.

## SPECIFICATIONS

- Design and materials comply with AWWA C503
- Flanges conform to ASTM B16.5 class 150 (6")
- Fusion bonded epoxy coated inside and outside per AWWA C550
- 250 PSI working pressure factory tested 100% to 500 PSI
- Working temperature: 0°C to 80°C (32°F to 176°F)
- (1) 4.5" pumper nozzle and (2) 2.5" hose nozzle
- Designed to prevent damage to main valve if hit accidentally
- UL listed and FM approved

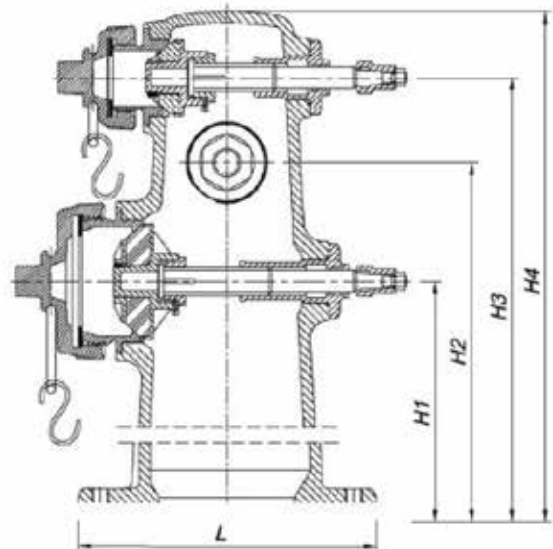


## PART LIST

| ID | PART                 | MATERIAL                        |
|----|----------------------|---------------------------------|
| 1  | Body                 | Ductile Iron ASTM A536 65-45-12 |
| 2  | Pumper Nozzle Cap    | Ductile Iron ASTM A536 65-45-12 |
| 3  | Pumper Nozzle        | Bronze ASTM B148 C95400         |
| 4  | Bolt                 | Stainless Steel 304             |
| 5  | Main Valve Holder    | Stainless Steel 304             |
| 6  | Hose Nozzle Cap      | Ductile Iron ASTM A536 65-45-12 |
| 7  | Hose Nozzle          | Bronze ASTM B148 C95400         |
| 8  | Stem                 | Stainless Steel 304             |
| 9  | Stem Nut             | Stainless Steel 304             |
| 10 | O-Ring               | EPDM                            |
| 11 | Pumper Nozzle Gasket | EPDM                            |
| 12 | Hose Nozzle Gasket   | EPDM                            |

## DIMENSIONS DATA

| L   | H1    | H2    | H3    | H4  |
|-----|-------|-------|-------|-----|
| 11" | 13.8" | 20.7" | 25.2" | 29" |



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# 5100 Vertical Indicator Post



**AMERICAN FIRE CONTROL**  
QUALITY IS A PRIORITY

The American 5100 Vertical Post Indicator is a critical component of fire protection systems, designed to provide a visual indication of the status of fire protection valves such as post indicator valves. These valves are commonly found in fire sprinkler systems, hydrant systems, and standpipe systems within buildings and industrial facilities. The VPI plays a crucial role in ensuring the efficient operation of these systems during fire emergencies.

## SPECIFICATIONS

- Clearly displays valve status (open or shut) for operational awareness
- Enables remote operation of buried or hard-to-reach valves
- Secure design with a padlock-compatible wrench handle fitting over a "u" bracket
- Simplified installation with adjustable telescoping stem, eliminating the need for field cutting
- Easily customizable open and shut signs by removing the post head
- Compatible with gate valves sizes ranging from 4" to 12"
- UL listed and FM approved

## CORROSION PROTECTION

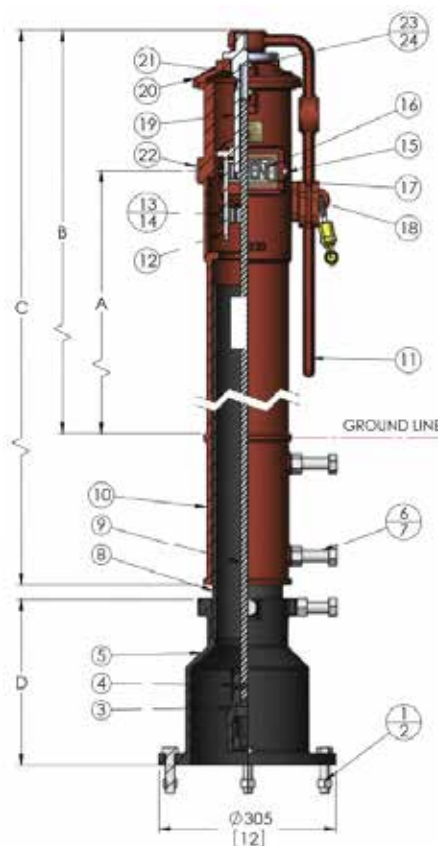
- Internally and externally spray epoxy painted ral3000

## FIELD ADJUSTMENT

- Remove post head to adjust open and shut signs as required
- Adjust telescoping stem and pipe to desired length
- Attach base of post to the post plate on the valve using bolts/nuts provided

## PART LIST

| No. | Part Name          | Specification/Material              |
|-----|--------------------|-------------------------------------|
| 1   | Hex Cap Screw      | Carbon Steel ASTM A307B             |
| 2   | Hex Nut            | Carbon Steel ASTM A307B             |
| 3   | Crane Coupling     | Ductile Iron ASTM A536 Gr. 65-45-12 |
| 4   | Cotter Pin         | Carbon Steel ASTM A307B             |
| 5   | Base Flange        | Cast Iron ASTM A126 Class B         |
| 6   | Hex Nut            | Carbon Steel ASTM A307B             |
| 7   | Hex Cap Screw      | Carbon Steel ASTM A307B             |
| 8   | Standpipe          | Carbon Steel ASTM A53               |
| 9   | Stem 1" Square     | Carbon Steel AISI 1045              |
| 10  | Body               | Cast Iron ASTM A126 Class B         |
| 11  | Locking Wrench     | Ductile Iron ASTM A536 Gr. 65-45-12 |
| 12  | Target Carrier Nut | Stainless Steel AISI 304            |
| 13  | Hex Cap Screw      | Carbon Steel ASTM A307B             |
| 14  | Hex Nut            | Carbon Steel ASTM A307B             |
| 15  | Hex Cap Screw      | Carbon Steel ASTM A307B             |
| 16  | Target             | Cast Aluminum                       |
| 17  | Window Glass       | Plexiglass                          |
| 18  | Gasket             | EPDM ASTM D2000                     |
| 19  | Operating Nut      | Stainless Steel AISI 304            |
| 20  | Top Section        | Cast Iron ASTM A126 Class B         |
| 21  | Snap Ring          | Spring Steel                        |
| 22  | Plug               | Carbon Steel ASTM A307B             |
| 23  | Square Nut         | Carbon Steel ASTM A307B             |
| 24  | Hex Cap Screw      | Carbon Steel ASTM A307B             |



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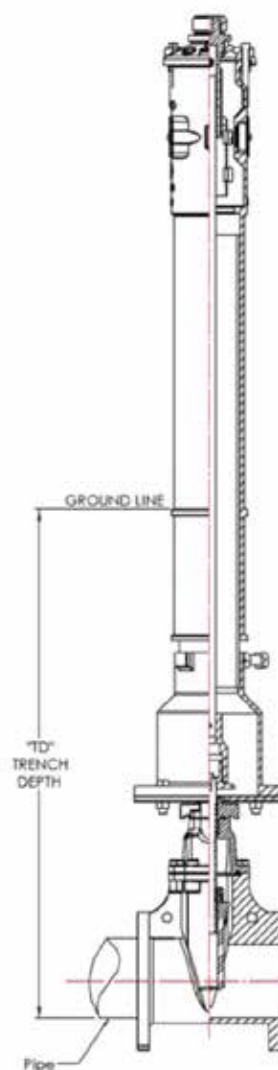
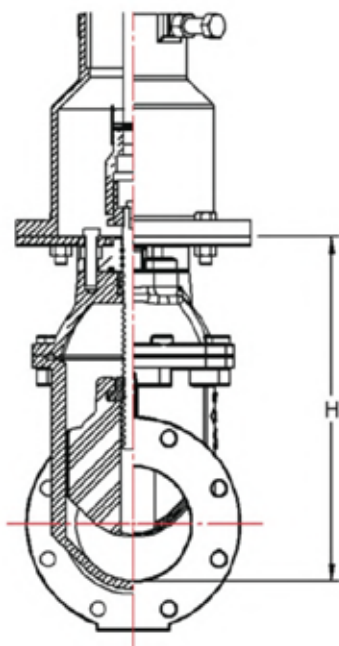



**DIMENSIONS**

| Valve Size | Model No. | A              | B               | C               | D              |
|------------|-----------|----------------|-----------------|-----------------|----------------|
| 4" ~12"    | 5100      | 700<br>(27.5") | 1000<br>(39.3") | 1248<br>(49.1") | 297<br>(11.7") |

**AMERICAN AFC A-3100 PIV-NRS Gate Valve**

| Valve Size | H      |
|------------|--------|
| 4"         | 11.9"  |
| 6"         | 17.2"  |
| 8"         | 20.79" |
| 10"        | 26.18" |
| 12"        | 30.31" |



| Size                        | 4"     | 6"     | 8"     | 10"    | 12"    |
|-----------------------------|--------|--------|--------|--------|--------|
| Trench Depth Range (TD) Min | 34.65" | 39.76" | 44.29" | 48.62" | 53.54" |
| Trench Depth Range (TD) Max | 71.26" | 76.38" | 80.91" | 85.24" | 90.16" |

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**FIRE CONTROL**  
QUALITY IS A PRIORITY



[www.american-afc.com](http://www.american-afc.com)

***UL Listed.***

## Hydrants

### COMPANY

#### American Fire Control LLC

255 S Orange Ave

Orlando, FL 32801 United States

EX28963

*View model for additional information*

**Base-Valve Design**, Model(s): F-7700, F-8700

**Wet-Barrel Design**, Model(s): FW-9000

Last Updated on 2023-05-25

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## Indicator Posts, Gate Valve

### COMPANY

#### American Fire Control LLC

255 S Orange Ave

Orlando, FL 32801 United States

EX28965

**Underground Type - Adjustable Length,** Model(s): 5100 For valve sizes 4-12 NPS

**Wall Type,** Model(s): 5150 For valve sizes 4-12 NPS

Last Updated on 2023-02-10

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***FM Approval.***

Other Fire Protection Products | Fire Hydrants (Wet Barrel Type) | **Hydrants, Wet Barrel**

FW-9000

Product Description

| Model No | Size |       | # of Hose Outlets | Hose Outlet Size |      | Pumper Connection Size |       | Rated Working Pressure |        | Remarks |
|----------|------|-------|-------------------|------------------|------|------------------------|-------|------------------------|--------|---------|
|          | in   | (mm)  |                   | in               | (mm) | in                     | (mm)  | psi                    | (kPa)  |         |
| FW-9000  | 6    | (152) | 2                 | 2.5              | (64) | 4.5                    | (114) | 250                    | (1720) | a       |

**Remarks**  
a. Available with ASME B16.5 Class 150 6"/DIN 2501 PN 16 DN150 flanged inlet

Details

|                           |                                     |
|---------------------------|-------------------------------------|
| <b>Category</b>           | Hydrants, Wet Barrel                |
| <b>Class of Work</b>      | 1511 - Fire Hydrant(Wt Brl Ty), Pvt |
| <b>Certification Type</b> | FM Approved                         |
| <b>Listing Country</b>    | United States of America            |

Company

American Fire Control LLC  
255 S Orange Avenue, Orlando ,  
Florida 32801  
United States of America  
<http://american-afc.com>





Other Fire Protection Products | Fire Hydrants (Dry Barrel Type) | **Hydrants, Dry Barrel**

# Model F-7800, F-8700, F-8800, and F-7700

## Product Description

| Model No | Size |       | # of Hose Outlets | Hose Outlet Size |      | Pumper Connection Size |       | Rated Working Pressure |        | Remarks |
|----------|------|-------|-------------------|------------------|------|------------------------|-------|------------------------|--------|---------|
|          | in   | (mm)  |                   | in               | (mm) | in                     | (mm)  | psi                    | (kPa)  |         |
| F-7800   | 6    | (152) | 2                 | 2 1/2            | (64) | 4                      | (102) | 250                    | (1720) | a       |
| F-8700   | 6    | (152) | 2                 | 2 1/2            | (64) | 4 1/2                  | (114) | 250                    | (1720) | a       |
| F-8800   | 6    | (152) | 2                 | 2 1/2            | (64) | 4                      | (102) | 250                    | (1720) | b       |
| F-7700   | 6    | (152) | 2                 | 2 1/2            | (64) | 4 1/2                  | (114) | 250                    | (1720) | b       |

**Remarks:**

- a.) Available with a ANSI/AWWA C111/A21.11 Mechanical Joint Inlet Connection  
b.) Available with a ASME B16.5 Class 150 Flanged Joint Inlet Connection

## Details

|                           |                                     |
|---------------------------|-------------------------------------|
| <b>Category</b>           | Hydrants, Dry Barrel                |
| <b>Class of Work</b>      | 1510 - Hydrants(Dry Brl Ty), Pvt FS |
| <b>Certification Type</b> | FM Approved                         |
| <b>Listing Country</b>    | United States of America            |

## Company

American Fire Control LLC  
255 S Orange Avenue, Orlando ,  
Florida 32801  
United States of America  
<http://american-afc.com>

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Sprinkler System Components | Indicator Posts | **Indicator Posts**

# Model 5100

## Product Description

Model 5100 Vertical type

## Details

|                           |                           |
|---------------------------|---------------------------|
| <b>Category</b>           | Indicator Posts           |
| <b>Class of Work</b>      | 1110 - Indicator Posts    |
| <b>Approval Standard</b>  | FM 1110 - Indicator Posts |
| <b>Certification Type</b> | FM Approved               |
| <b>Listing Country</b>    | United States of America  |




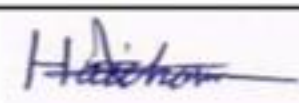

## Company

American Fire Control LLC  
255 S Orange Avenue, Orlando ,  
Florida 32801  
United States of America  
<http://american-afc.com>

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Confirm

***Previous Approvals.***

| Consultant:<br>   | THIRD SAUDI EXPANSION OF THE HOLY MOSQUE &<br>SURROUNDING AREAS   | Contractor:<br><br>SAUDI BINLADIN GROUP<br>Haramain Division   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
|--|---|---|-------------|-----|--------------|--------------------------|-----------|--------------------------|------------------|--------------------------|-------------|--------------------------|------------|--------------------------|-------------------|-------------------------------------|----------------------|--------------------------|----------|--------------------------|----------------------|--------------------------|-------------------|-------------------------------------|--------------|--------------------------|------------------|--------------------------|--------|-------------------------------------|
| <b>CONTRACTOR : SAUDI BINLADIN GROUP (HARAMAIN DIVISION)</b>   |   | Date : <b>06/Nov/2024</b>   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| <input type="checkbox"/> New Submittal<br><input checked="" type="checkbox"/> Resubmittal  | <b>SUBMITTAL FOR<br/>TECHNICAL<br/>APPROVAL (STA)</b>   | Submittal Ref. No.:<br><b>SHS-PRC-SBG-ME-MF-G-0203-01</b>   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| DEPARTMENT   |   |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| AR   | CV  | ST  |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| <input type="checkbox"/>   | <input type="checkbox"/>  | <input type="checkbox"/>  |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| ME   | EL  | LC  |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| <input checked="" type="checkbox"/>  | <input type="checkbox"/>  | <input type="checkbox"/>  |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| <input type="checkbox"/> Material Submittal <input type="checkbox"/> Sample Submittal <input checked="" type="checkbox"/> Pre-qualification <input type="checkbox"/> Method Statement <input type="checkbox"/> Other                                       |   |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| <b>To : DAR AL- HANDASAH</b>   |   |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| <b>1. Subject:</b><br>Prequalification Document for Modern Arab Enterprises Co. Ltd., KSA for Fire Protection Products Manufactured by American Fire Control (AFC). USA  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;">Attachments</th> <th style="width: 20%;">No.</th> </tr> </thead> <tbody> <tr><td>Sample Board</td><td style="text-align: center;"><input type="checkbox"/></td></tr> <tr><td>Catalogue</td><td style="text-align: center;"><input type="checkbox"/></td></tr> <tr><td>Product Warranty</td><td style="text-align: center;"><input type="checkbox"/></td></tr> <tr><td>Test Report</td><td style="text-align: center;"><input type="checkbox"/></td></tr> <tr><td>Tech. Data</td><td style="text-align: center;"><input type="checkbox"/></td></tr> <tr><td>Pre-Qualification</td><td style="text-align: center;"><input checked="" type="checkbox"/></td></tr> <tr><td>Compliance Statement</td><td style="text-align: center;"><input type="checkbox"/></td></tr> <tr><td>Drawings</td><td style="text-align: center;"><input type="checkbox"/></td></tr> <tr><td>Supplier Calculation</td><td style="text-align: center;"><input type="checkbox"/></td></tr> <tr><td>Reply of comments</td><td style="text-align: center;"><input checked="" type="checkbox"/></td></tr> <tr><td>Certificates</td><td style="text-align: center;"><input type="checkbox"/></td></tr> <tr><td>Method Statement</td><td style="text-align: center;"><input type="checkbox"/></td></tr> <tr><td>Others</td><td style="text-align: center;"><input checked="" type="checkbox"/></td></tr> </tbody> </table> |   | Attachments | No. | Sample Board | <input type="checkbox"/> | Catalogue | <input type="checkbox"/> | Product Warranty | <input type="checkbox"/> | Test Report | <input type="checkbox"/> | Tech. Data | <input type="checkbox"/> | Pre-Qualification | <input checked="" type="checkbox"/> | Compliance Statement | <input type="checkbox"/> | Drawings | <input type="checkbox"/> | Supplier Calculation | <input type="checkbox"/> | Reply of comments | <input checked="" type="checkbox"/> | Certificates | <input type="checkbox"/> | Method Statement | <input type="checkbox"/> | Others | <input checked="" type="checkbox"/> |
| Attachments  | No.   |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| Sample Board   | <input type="checkbox"/>  |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| Catalogue  | <input type="checkbox"/>  |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| Product Warranty   | <input type="checkbox"/>  |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| Test Report  | <input type="checkbox"/>  |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| Tech. Data   | <input type="checkbox"/>  |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| Pre-Qualification  | <input checked="" type="checkbox"/>   |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| Compliance Statement   | <input type="checkbox"/>  |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| Drawings   | <input type="checkbox"/>  |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| Supplier Calculation   | <input type="checkbox"/>  |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| Reply of comments  | <input checked="" type="checkbox"/>   |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| Certificates   | <input type="checkbox"/>  |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| Method Statement   | <input type="checkbox"/>  |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| Others   | <input checked="" type="checkbox"/>   |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| <b>2. Submittal Description:</b><br>   | Prequalification Document for Modern Arab Enterprises Co. Ltd., KSA for Fire Protection Products Manufactured by American Fire Control (AFC), USA   |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| Area Of Application : <b>Service Building (All Zones)</b><br>Drawing Ref. : <b>N/A</b><br>Specification Ref. : <b>N/A</b><br>Attached MAT Approval Copy : <b>N/A</b>   | Code : <b>N/A</b>   |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| Note:      Original attached <input type="checkbox"/> Soft copy attached: <input checked="" type="checkbox"/>  |   |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| <b>3. MANUFACTURER / SUPPLIER:</b><br>Manufacturer & Address : <b>American Fire Control (AFC), USA</b><br>Supplier & Address : <b>Modern Arab Enterprises Co. Ltd., KSA</b>  |   |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| <b>4. SBG Comments:</b> <input checked="" type="checkbox"/> Please proceed <input type="checkbox"/> Refer to attached sheet  |   |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| Submitted by   | Sub-Contractor  | Contractor  |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| Name:  | N.A   | Engr. Haitham Qashou  |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| Signature:   | N.A   |    |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
|  |   |    |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| This section will be used by Approving Authority only.   |   |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| <b>5. ENGINEER'S REPRESENTATIVE'S COMMENTS:</b><br><br>Refer to comments on the attached "A4" sheets (2 nos.)<br><br>H. Ghonaimy/M. Mohammadin/T. Abbas      HG/MM/TA<br>05-12-2024  |   | A). Approved <input type="checkbox"/><br>B). Approved as Noted <input checked="" type="checkbox"/><br>C). Revise & Resubmit <input type="checkbox"/><br>D). Rejected <input type="checkbox"/> |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| Eng. Name: <b>Mohamed Attai on behalf of Ezzat A. Halim</b> Title: ..... Signature: <b>Mohamed Attia</b> Date: <b>07/12/2024</b>   |   |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |
| Approval shall not relieve the Contractor of its obligations and liabilities under the Contract or constitute authorization of any change to Contract Documents, and therefore shall not imply any recognition whatsoever of additional time and/ or cost. |   |   |             |     |              |                          |           |                          |                  |                          |             |                          |            |                          |                   |                                     |                      |                          |          |                          |                      |                          |                   |                                     |              |                          |                  |                          |        |                                     |

**BENAN PROJECT****MATERIAL INSPECTION REQUEST****DETAILS OF SCHEDULED INSPECTION****Section A**

Package : BP-001

MIR No : TSC -BP01-TCC-ZFP-MIR-ME-00147

To : Zuhair Fayez Partnership

Phase No. :

Date : 21/20-Mar-24

Inspection scheduled for - Time:

Date : 21/20-Mar-24

Location :

Building/Plot :

Level :

Zone :

Material to be Inspected :

Spec./Drwg ref :

Submittal No :

Measuring Equipment used:

Calibrated (Y/N)

Validity date:

Description of

Material inspection request for fire hydrant and vertical indicator post, see attached delivery notes for description and quantity

Required Inspection :

Proof of GC/MEP

Co-ordinated Inspection

**CONFIRMATION OF CONTRACTOR'S Q.C. INSPECTION****Section B**

Confirmation of co-ordination and compliance with Specifications, Approved Drawings, Method Statement and Quality Control Plan

Tick box

YES

NO

Note: If NO, any departure from Specifications, Approved Drawings, Method Statement and Quality Control Plan to be recorded below.

Non Conformity and/or reference of attached Non Conformity Report (NCR):

Date:

Contractor :

Project Manager

Date :

21/20-Mar-24

**SUPERVISION CONSULTANT'S REVIEW COMMENTS****Section C**

- ① Firehydrant and Vertical indicator post inspected as per attached delivery note.
- ② Quantity shall be considered after site installation request approval.

|   |                          |
|---|--------------------------|
| A | Approved                 |
| B | Approved with Comments ✓ |
| C | Revised & Resubmit       |
| D | For Information Only     |
| R | Rejected                 |

Consultant:

Date : 23/03/24

PM/CM If Required :

Date :

THE CONSULTANT'S COMMENTS SHALL NOT RELIEVE THE CONTRACTOR  
OF ANY OF HIS RESPONSIBILITIES UNDER THE CONTRACT

Received for Contractor :

Date :

Receipted Copy to :

PM / Others

Copy with Section A completed by Contractor to be passed to Consultant

Original with Section B completed to be handed to Consultant prior to Inspection

Consultant to complete Section C and return to Contractor



## DATA SHEET

# DRY BARREL FIRE HYDRANT



**AMERICAN FIRE CONTROL**  
QUALITY IS A PRIORITY

## SPECIFICATIONS

- Maximum Operating Pressure: 250 PSI (17.2 Bar)
- UL Listed, FM Approved for Fire Protection Roadside Service
- Conforms to AWWA C502 Requirements
- Factory Tested 100% to 500 PSI (34.5 Bar)
- Ductile Iron Body
- Steel Stem and Bronze Seat
- All Fasteners Below Ground 304 Stainless Steel
- Finish: Red and Black Epoxy Paint Interior and Exterior per AWWA C550
- Lubrication: Lube Oil Cold Temp
- **Repairable Due to Traffic Breakage Without Excavation**
- Seat and Disc Repairable Without Excavation
- Minimal Torque Seat and Disc Design for Closing and Opening Torque



## Models

**F-7700**

**ASME CLASS 150 / ISO PN16 Flanges**

**F-8700**

**AWWA Mechanical joint**

## INLET

- 6" (ND150) ASME B16.5 Class 150
- DIN 2503 PN16 Flanged
- 6" Mechanical Connection per AWWA / ANSI C153 / A21.53

## OUTLET

- Fire Pump Steamer 4 1/2" - 4nh
- 2 1/2" - 7.5NH Standard



# DATA SHEET

## DRY BARREL FIRE HYDRANT



AMERICAN FIRE CONTROL  
QUALITY IS A PRIORITY

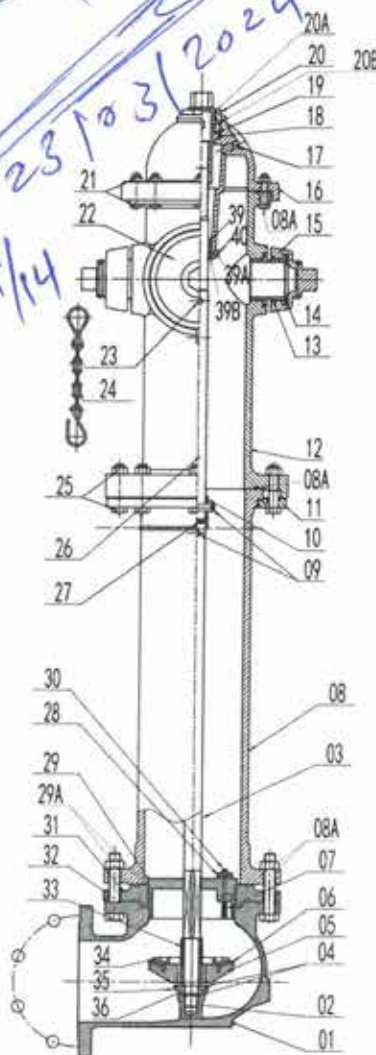
DUCTILE IRON BODY • SEAT AND DISC REPAIRABLE WITHOUT EXCAVATION • AWWA C550 EPOXY COATED

250 PSI (17.2 BAR) MAXIMUM OPERATING PRESSURE



F-7700  
ASME CLASS 150 /  
ISO PN16 FLANGES

F-8700  
AWWA MECHANICAL  
JOINT



### MATERIAL LIST

| ITEM | DESCRIPTION                 | SPECIFICATION                         |
|------|-----------------------------|---------------------------------------|
| 1    | Connector Inlet             | Ductile Iron ASTM A536 Grade 65-45-12 |
| 2    | Lock Nut                    | Ductile Iron ASTM A536 Grade 65-45-12 |
| 3    | Connecting Rod              | Carbon Steel 1045 ASTM A29/29M        |
| 4    | Lock Nut                    | Gasket EPDM ASTM D200                 |
| 5    | Tray                        | Ductile Iron ASTM A536 Grade 65-45-12 |
| 6    | Seal                        | EPDM ASTM D2000                       |
| 7    | Drain Hole Spring           | Stainless Steel 316 ASTM A240         |
| 8    | Lower Barrel                | Ductile Iron ASTM A536 Grade 65-45-12 |
| 8A   | O-Ring                      | NBR ASTM D2000                        |
| 9    | Perforated Cylinder Pin     | Carbon Steel 1045 ASTM A29/29M        |
| 10   | Connecting Rod Sleeve       | Carbon Steel 1045 ASTM A29/29M        |
| 11   | Clamp Ring                  | Ductile Iron ASTM A536 Grade 65-45-12 |
| 12   | Body Upper                  | Ductile Iron ASTM A536 Grade 65-45-12 |
| 13   | Outlet Nipple               | C95400 ASTM B148                      |
| 14   | Outlet Gasket               | EPDM ASTM D2000                       |
| 15   | Outlet Cap                  | Ductile Iron ASTM A536 Grade 65-45-12 |
| 16   | Upper Bonnet                | Ductile Iron ASTM A536 Grade 65-45-12 |
| 17   | Thread Plug                 | C95400 ASTM B148                      |
| 18   | Screw Stem Nut              | C95400 ASTM B148                      |
| 19   | Screw Nut Gasket            | C95400 ASTM B148                      |
| 20   | Screw Nut Seat              | C95400 ASTM B148                      |
| 20A  | O-Ring                      | NBR ASTM D2000                        |
| 20B  | O-Ring                      | NBR ASTM D2000                        |
| 21   | Bonnet Bolts and Nuts       | Carbon Steel 1035 ASTM A29/29M        |
| 22   | Pumper Connection Cap       | Ductile Iron ASTM A536 Grade 65-45-12 |
| 23   | Cylindrical Pin             | Carbon Steel 1045 ASTM A29/29M        |
| 24   | Cover Chain                 | Carbon Steel Gr B ASTM A283-B         |
| 25   | Body Bolts and Nuts         | Carbon Steel 1035 ASTM A29/29M        |
| 26   | Upper Stem                  | Carbon Steel 1045 ASTM A29/29M        |
| 27   | Cushion                     | EPDM ASTM D2000                       |
| 28   | Drain Hole Cover            | C95400 / EPDM                         |
| 29   | Seat                        | C95400 ASTM B148                      |
| 29A  | O-Ring                      | NBR ASTM D2000                        |
| 30   | Bolt and Nut                | Stainless Steel 304 ASTM A240         |
| 31   | Seat Retainer Plate         | Ductile Iron ASTM A536 Grade 65-45-12 |
| 32   | Lower Barrel Bolts and Nuts | 1035 ASTM A29/29M                     |
| 33   | Annular Tube                | Carbon Steel 1045 ASTM A29/29M        |
| 34   | Plate Retainer              | Ductile Iron ASTM A536 Grade 65-45-12 |
| 35   | Lock Nut Seat               | Ductile Iron ASTM A536 Grade 65-45-12 |
| 36   | Check Turn Gasket           | GR.B ASTM A283-B                      |
| 37   | Steamer Connector Tube      | C95400 ASTM B148                      |
| 38   | Steamer Gasket              | GR.B ASTM A283-B                      |
| 39   | Screw Stem Bushing          | Stainless Steel 304 ASTM A240         |
| 39A  | O-Ring                      | NBR ASTM D2000                        |
| 39B  | O-Ring                      | NBR ASTM D2000                        |
| 40   | Bolt                        | Stainless Steel 304 ASTM A240         |

Seat Repair Kit: Includes all seals, O-rings and removal tool "T" Handle. (1) item #4, (1) item #6, (1) item 8A, (1) item 20A, (1) item 20B, (2) item 29A (3) item 29B, (2) item 39A, (2) item 39B and (1) T handle stem wrench.

Traffic Repair Kit: Includes new connecting sleeve, clamp ring, pins and O-rings for above ground repair. (2) item 8A, (2) item 9, (1) item 10, (1) item 11, (1) item 20A, (1) item 27, (1) item 20B, (2) item 39A, (2) item 39B

All information contained herein is the property of American Fire Control and is to be accurate. Information is subject to change without notice. Purchaser is responsible for proper installation and use of product. American Fire Control, LLC, pays no manufacturer's warranty but extends no other warranty. All products sold by American Fire Control, LLC, are subject to its full terms and conditions of sales as published and available on request. Any warranty made extends to original purchaser and is not assignable or transferable.



# DATA SHEET

## DRY BARREL FIRE HYDRANT



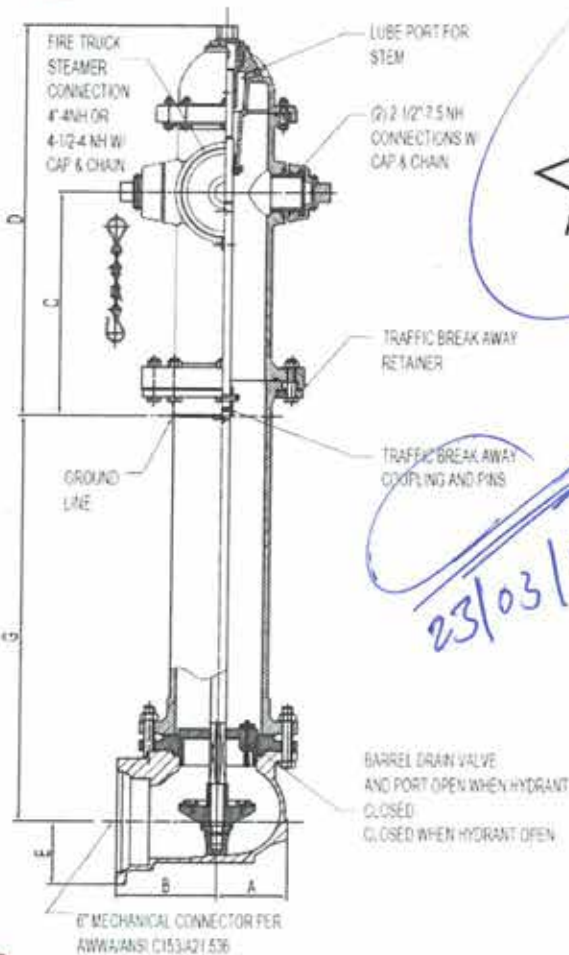
AMERICAN FIRE CONTROL  
QUALITY IS A PRIORITY

Dry Barrel Hydrant 6" (DN 150) Flanged or Mechanical Inlet, STD Outlets (2) 2 1/2" -7.5NH Male Outlets and (1) 4 1/2" - 4 NH Male Steamer Pumper Connection:

### DIMENSIONAL INFORMATION

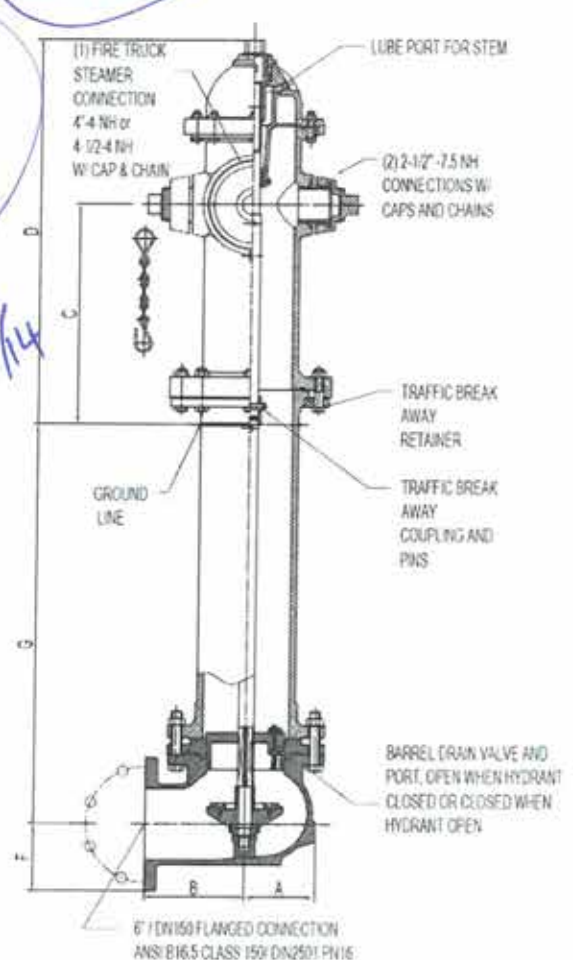
F-8700

AWWA MECHANICAL  
JOINT



F-7700

ASME CLASS 150 /  
ISO PN16 FLANGES



### OPTIONS:

- Inlet flanged ASME B16.5 Class 150 or ISO2501 PN16, or / mechanical AWWA C153 / A21.536
- Depth choose one of above Dimension "G"
- Outlet (2) 2 1/2" hose connection thread type specify, standard =7.5NH (other thread types available)
- Steamer pumper outlet standard=(1) 4 1/2" -4NH, also available 4"-4NH optional adapter fitting

| Part Number<br>Flanged | Part Number<br>Mechanical | A<br>(mm/ inch) | B<br>(mm/ inch) | C<br>(mm/ inch) | D<br>(mm/ inch) | E<br>(mm/ inch) | F<br>(mm/ inch) | G (mm/ inch) | Weight<br>(kg) |
|------------------------|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|----------------|
| F-7700                 | F-8700                    | 146/ 5.75       | 208/ 8.18       | 460/ 18.11      | 805/ 31.7       | 130/5.12        | 140/5.51        | 1063/42      | 185            |
|                        |                           |                 |                 |                 |                 |                 |                 | 1215/48      | 190            |
|                        |                           |                 |                 |                 |                 |                 |                 | 1368/54      | 196            |
|                        |                           |                 |                 |                 |                 |                 |                 | 1520/60      | 211            |
|                        |                           |                 |                 |                 |                 |                 |                 | 1673/66      | 220            |
|                        |                           |                 |                 |                 |                 |                 |                 | 1825/72      | 241            |
|                        |                           |                 |                 |                 |                 |                 |                 | 1978/78      | 246            |
|                        |                           |                 |                 |                 |                 |                 |                 | 2130/84      | 251            |



## DATA SHEET

### 5100 Vertical Indicator Post



**AMERICAN FIRE CONTROL**  
QUALITY IS A PRIORITY

The American 5100 Vertical Post Indicator is a critical component of fire protection systems, designed to provide a visual indication of the status of fire protection valves such as post indicator valves. These valves are commonly found in fire sprinkler systems, hydrant systems, and standpipe systems within buildings and industrial facilities. The VPI plays a crucial role in ensuring the efficient operation of these systems during fire emergencies.

#### SPECIFICATIONS

- Clearly displays valve status (open or shut) for operational awareness
- Enables remote operation of buried or hard-to-reach valves
- Secure design with a padlock-compatible wrench handle fitting over a "u" bracket
- Simplified installation with adjustable telescoping stem, eliminating the need for field cutting
- Easily customizable open and shut signs by removing the post head
- Compatible with gate valves sizes ranging from 4" to 12"
- UL listed and FM approved

#### CORROSION PROTECTION

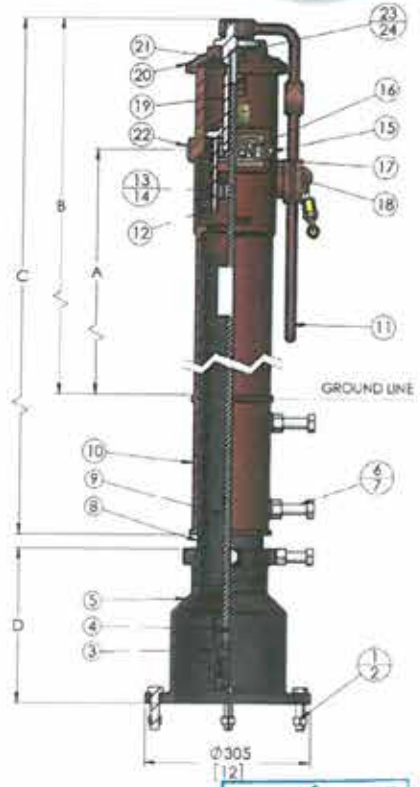
- Internally and externally spray epoxy painted ral3000

#### FIELD ADJUSTMENT

- Remove post head to adjust open and shut signs as required
- Adjust telescoping stem and pipe to desired length
- Attach base of post to the post plate on the valve using bolts/nuts provided

#### PART LIST

| No. | Part Name          | Specification/Material              |
|-----|--------------------|-------------------------------------|
| 1   | Hex Cap Screw      | Carbon Steel ASTM A307B             |
| 2   | Hex Nut            | Carbon Steel ASTM A307B             |
| 3   | Crane Coupling     | Ductile Iron ASTM A536 Gr. 65-45-12 |
| 4   | Cotter Pin         | Carbon Steel ASTM A307B             |
| 5   | Base Flange        | Cast Iron ASTM A126 Class B         |
| 6   | Hex Nut            | Carbon Steel ASTM A307B             |
| 7   | Hex Cap Screw      | Carbon Steel ASTM A307B             |
| 8   | Standpipe          | Carbon Steel ASTM A53               |
| 9   | Stem 1" Square     | Carbon Steel AISI 1045              |
| 10  | Body               | Cast Iron ASTM A126 Class B         |
| 11  | Locking Wrench     | Ductile Iron ASTM A536 Gr. 65-45-12 |
| 12  | Target Carrier Nut | Stainless Steel AISI 304            |
| 13  | Hex Cap Screw      | Carbon Steel ASTM A307B             |
| 14  | Hex Nut            | Carbon Steel ASTM A307B             |
| 15  | Hex Cap Screw      | Carbon Steel ASTM A307B             |
| 16  | Target             | Cast Aluminum                       |
| 17  | Window Glass       | Plexiglass                          |
| 18  | Gasket             | EPDM ASTM D2000                     |
| 19  | Operating Nut      | Stainless Steel AISI 304            |
| 20  | Top Section        | Cast Iron ASTM A126 Class B         |
| 21  | Snap Ring          | Spring Steel                        |
| 22  | Plug               | Carbon Steel ASTM A307B             |
| 23  | Square Nut         | Carbon Steel ASTM A307B             |
| 24  | Hex Cap Screw      | Carbon Steel ASTM A307B             |



Handwritten note: 6/14 23/03/2024



## DATA SHEET

### 5100 Vertical Indicator Post



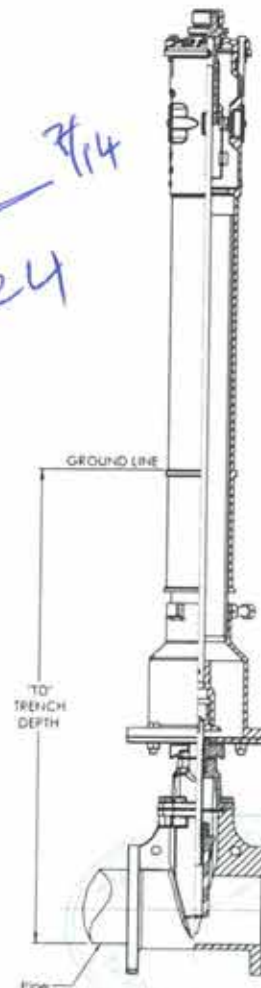
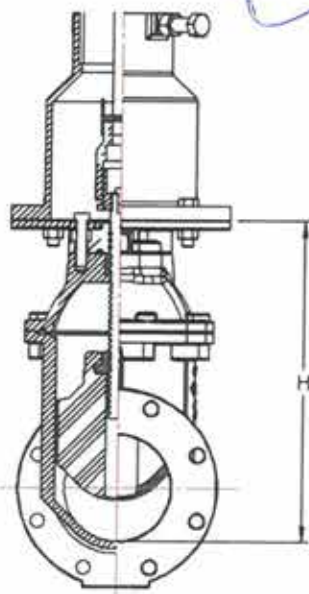
**AMERICAN FIRE CONTROL**  
QUALITY IS A PRIORITY

#### DIMENSIONS

| Valve Size | Model No. | A              | B               | C               | D              |
|------------|-----------|----------------|-----------------|-----------------|----------------|
| 4" ~12"    | 5100      | 700<br>(27.5") | 1000<br>(39.3") | 1248<br>(49.1") | 297<br>(11.7") |

#### AMERICAN AFC A-3100 PIV-NRS Gate Valve

| Valve Size | H      |
|------------|--------|
| 4"         | 11.9"  |
| 6"         | 17.2"  |
| 8"         | 20.79" |
| 10"        | 26.18" |
| 12"        | 30.31" |



| Size                        | 4"     | 6"     | 8"     | 10"    | 12"    |
|-----------------------------|--------|--------|--------|--------|--------|
| Trench Depth Range (TD) Min | 34.65" | 39.76" | 44.29" | 48.62" | 53.54" |
| Trench Depth Range (TD) Max | 71.26" | 76.38" | 80.91" | 85.24" | 90.16" |

All dimensions shown are typical and subject to change without notice. American Fire Control Co. is not responsible for any errors or omissions. American Fire Control Co. is not responsible for any damage or injury caused by the use of this product. American Fire Control Co. is not responsible for any damage or injury caused by the use of this product. American Fire Control Co. is not responsible for any damage or injury caused by the use of this product.





# CERTIFICATE

This is to certify that

## American Fire Control

255 S Orange Ave,  
Orlando, FL 32801  
United States of America

8/14  
23/03/2024

has implemented and maintains a **Quality Management System**.

### Scope:

The Design and Manufacture of Ductile and Gray Iron Castings, Fire Hydrants, Indicator Posts, Check Valves, Gate Valves, Butterfly Valves and Associated Component.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

## ISO 9001 : 2015

Certificate registration no. 051223010103  
Date of original certification 2014-07-22  
Date of certification 2023-12-05  
Valid until 2026-12-04



To verify certificate, visit at :  
<https://uafaccreditation.org>  
<https://www.iafcertsearch.org>



**ARS Assessment Private Limited**

*ABhishek*

Managing Director

UAF Address : 400, North Center Dr, STE 202, Norfolk, VA 23502, United States of America :

This certificate remains the property of ARS and must be returned to ARS on Cancellation or Suspension of the certificate Validity of the certificate is subject to successful completion of surveillance audits. Further clarification regarding the scope of this certificate and the applicability of standard may be obtained by consulting the Organization on [info@arscert.com](mailto:info@arscert.com)



# CERTIFICATE

This is to certify that

## American Fire Control

255 S Orange Ave,  
Orlando, FL 32801  
United States of America

23/03/2024 9/4

has implemented and maintains an **Environmental Management System**.

### Scope:

The Design and Manufacture of Ductile and Gray Iron Castings, Fire Hydrants, Indicator Posts, Check Valves, Gate Valves, Butterfly Valves and Associated Component.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

## ISO 14001 : 2015

Certificate registration no. 051223020104  
Date of original certification 2014-07-22  
Date of certification 2023-12-05  
Valid until 2026-12-04



To verify certificate, visit at :

<https://uafaccreditation.org>  
<https://www.iafcertsearch.org>



**ARS Assessment Private Limited**

*ABhishek*

Managing Director

UAF Address : 400, North Center Dr, STE 202, Norfolk, VA 23502, United States of America :

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# CERTIFICATE

This is to certify that

## American Fire Control

255 S Orange Ave,  
Orlando, FL 32801  
United States of America

10/14  
23/03/2024

has implemented and maintains an **Occupational Health and Safety Management System**.

### Scope:

The Design and Manufacture of Ductile and Gray Iron Castings, Fire Hydrants, Indicator Posts, Check Valves, Gate Valves, Butterfly Valves and Associated Component.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

## ISO 45001 : 2018

Certificate registration no. 051223030105  
Date of original certification 2014-07-22  
Date of certification 2023-12-05  
Valid until 2026-12-04



To verify certificate, visit at :  
<https://uafaccreditation.org>  
<https://www.iafcertsearch.org>



## ARS Assessment Private Limited

AShish

Managing Director

UAF Address : 400, North Center Dr, STE 202, Norfolk, VA 23502, United States of America :

This certificate remains the property of ARS and must be returned to ARS on Cancellation or Suspension of the certificate Validity of the certificate is subject to successful completion of surveillance audits. Further clarification regarding the scope of this certificate and the applicability of standard may be obtained by consulting the Organization on [info@arscert.com](mailto:info@arscert.com)

HBOR.EX28963 - Hydrants

American Fire Control LLC  
255 S Orange Ave  
Orlando, FL 32801 United States

Hydrants  
1 1/4  
23/03/2024

EX28963

Base-valve design:

| Model  | Base-valve Size, in. | Hose Outlet (No. of Outlets), in. | Pumper Outlet (No. of Outlets), in. | Rated Pressure, psig |
|--------|----------------------|-----------------------------------|-------------------------------------|----------------------|
| F-8700 | 5-1/4                | (2) 2-1/2                         | (1) 4-1/2                           | 250                  |
| F-7700 | 5-1/4                | (2) 2-1/2                         | (1) 4-1/2                           | 250                  |

Wet-barrel design:

| Model   | Hose Outlet (No. of Outlets), in. | Pumper Outlet (No. of Outlets), in. | Rated Pressure, psig |
|---------|-----------------------------------|-------------------------------------|----------------------|
| FW-9000 | (2) 2-1/2                         | (1) 4-1/2                           | 250                  |

Last Updated on 2023-02-10

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Member of the FM Global Group

Other Fire Protection Products | Fire Hydrants (Dry Barrel Type) | Hydrants, Dry Barrel

## Model F-7800, F-8700, F-8800, and F-7700

*1 3/4*  
*23/03/2024*

### Product Description

### Product Specification

| Model No | Size |       | # of Hose Outlets | Hose Outlet Size |      | Pumper Connection Size |       | Rated Working Pressure |        | Remarks |
|----------|------|-------|-------------------|------------------|------|------------------------|-------|------------------------|--------|---------|
|          | in   | (mm)  |                   | in               | (mm) | in                     | (mm)  | psi                    | (kPa)  |         |
| F-7800   | 6    | (152) | 2                 | 2 1/2            | (64) | 4                      | (102) | 250                    | (1720) | a       |
| F-8700   | 6    | (152) | 2                 | 2 1/2            | (64) | 4 1/2                  | (114) | 250                    | (1720) | a       |
| F-8800   | 6    | (152) | 2                 | 2 1/2            | (64) | 4                      | (102) | 250                    | (1720) | b       |
| F-7700   | 6    | (152) | 2                 | 2 1/2            | (64) | 4 1/2                  | (114) | 250                    | (1720) | b       |

### Remarks:

- a.) Available with a ANSI/AWWA C111/A21.11 Mechanical Joint Inlet Connection
- b.) Available with a ASME B16.5 Class 150 Flanged Joint Inlet Connection



## Details

**Category** Hydrants, Dry Barrel

**Class of Work** 1510 - Hydrants(Dry Brl Ty), Pvt FS

**Certification Type** FM Approved

**Listing Country** United States of America

  
~~23/03/2024~~ 13/4

## Company

American Fire Control LLC  
255 S Orange Avenue, Orlando,  
Florida 32801  
United States of America  
<http://american-afc.com>

|   |   |                                      |        |   |   |
|---|---|--------------------------------------|--------|---|---|
|  |   | <b>COMMENT RESOLUTION SHEET(CRS)</b> |        |  |  |
| Project Name  | Package Jeddah South Container Terminal Upgrade - Design & Build Main Works |                                      |        | Date:   | 30 July 2023  |
| Project No.   | 60622986  | CRS Reference No.:                   | 003215 | Rev.0A  | Page: 1 of 1  |

| Comment Resolution Sheet Information   | Code | ER Reference No. |
|--|------|------------------|
| CRS Status: <input checked="" type="checkbox"/> CLOSED <input type="checkbox"/> OPEN | 1    |                  |
| * All new comments are marked in RED   |      |                  |





| CONTRACTOR'S DOCUMENT NO./<br>TRANSMITTAL REFERENCE | DOCUMENT TITLE / REFERENCE   | RECEIVED     | ISSUED       |
|---|--|--------------|--------------|
| 11099-SUB-UDC-GL-MAR-002                            | Material Approval Request for Zone Control Valves-Rev.0A<br>Vendor: United Diamond Contractors | 17 July 2023 | 30 July 2023 |

| S/NO. | DOCUMENT<br>/DRAWING/<br>REPORT<br>SECTION<br>OR<br>CLAUSE<br>NO. | ENGINEER'S COMMENTS   | CONTRACTOR'S RESPONSE | FINAL RESOLUTION |
|-------|---|---|-----------------------|------------------|
| 1.    |   | Material Approval Request for Zone Control Valves-Rev.0A<br>Supplied by United Diamond Contractors is acceptable subject to the condition that it complies with the approved IFC Drawings, Contract Specifications and the Employer's Requirements. |                       |                  |

**Jacobs**

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FABRICATION, AND PERFORMANCE OF THE EQUIPMENT

|   |  |  |    |      |
|---|--|--|----|------|
| <div></div> <div></div> | <div>ARCHIRODON GROUP NV<br/>Integrated Management System</div> <div></div> <div>MATERIAL APPROVAL REQUEST FOR<br/>ZONE CONTROL VALVE</div> | <div>Jeddah South Container Terminal Upgrade<br/>Design &amp; Build Main Works</div> |    | Rev. |
|   | Issued For   | General Use  |    |      |
|   | Reference No.  | 11099-SUB-UDC-GL-MAR-002   | 0A |      |
|   | Serial No.   |  |    |      |
| Page  | 1 of 81  |  |    |      |

**DP WORLD JEDDAH**

**Contract No.: SAJED-M&I-2019-144/DB/2020/059**



## **MATERIAL APPROVAL REQUEST FOR ZONE CONTROL VALVES**

**VENDOR: UNITED DIAMOND CONTRACTORS**  
**Jacobs**

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FURNISHED.

| Rev. | Issue Date | Issue Status | Completed by |   | Reviewed by  |  | Approved by  |                      |
|------|------------|--------------|--------------|---|--------------|--|--------------|----------------------|
| 0A   | 13.07.2023 | IFA          | Job Position | Technical Office Section Head   | Job Position | Technical Office Manager   | Job Position | Project Manager      |
|      |            |              | Name         | Karamullah Sharief  | Name         | Mohamed Khairy   | Name         | Dipankar Chakravorty |
|      |            |              | Signature    |  | Signature    |  | Signature    |                      |

|  |   |  |  |                          |      |
|--|---|--|--|--------------------------|------|
|  | <b>ARCHIRODON GROUP NV</b><br>Integrated Management System<br> |  | <b>Jeddah South Container Terminal Upgrade</b><br><b>Design &amp; Build Main Works</b> |                          | Rev. |
|  | <b>MATERIAL APPROVAL REQUEST FOR</b><br><b>ZONE CONTROL VALVE</b>   |  | Issued For   | General Use              |      |
|  |   |  | Reference No.  | 11099-SUB-UDC-GL-MAR-002 | 0A   |
|  |   |  | Serial No.   |                          |      |
|  |   |  | Page   | 3 of 81                  |      |




## INDEX

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| 2. COMPLIANCE STATEMENTS .....                     | Page 006 |
| 3. TECHNICAL SPECIFICATIONS (REFERENCE LIST) ..... | Page 019 |
| 4. TECHNICAL DATA SHEETS .....                     | Page 020 |

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|   |  |  |                          |      |
|---|--|--|--------------------------|------|
| <br> | <b>ARCHIRODON GROUP NV</b><br>Integrated Management System<br><br><b>MATERIAL APPROVAL REQUEST FOR</b><br><b>ZONE CONTROL VALVE</b> | <b>Jeddah South Container Terminal Upgrade</b><br><b>Design &amp; Build Main Works</b> |                          | Rev. |
|   |  | Issued For   | General Use              |      |
|   |  | Reference No.  | 11099-SUB-UDC-GL-MAR-002 | 0A   |
|   |  | Serial No.   |                          |      |
|   |  | Page   | 7 of 81                  |      |

### 3. TECHNICAL SPECIFICATIONS (REFERENCE LIST)

| REFERENCE                  | TITLE  |
|----------------------------|--|
| 11099-ENG-B-GL-PB-SPE-0040 | SPECIFICATION FOR BUILDING MECHANICAL SERVICES |

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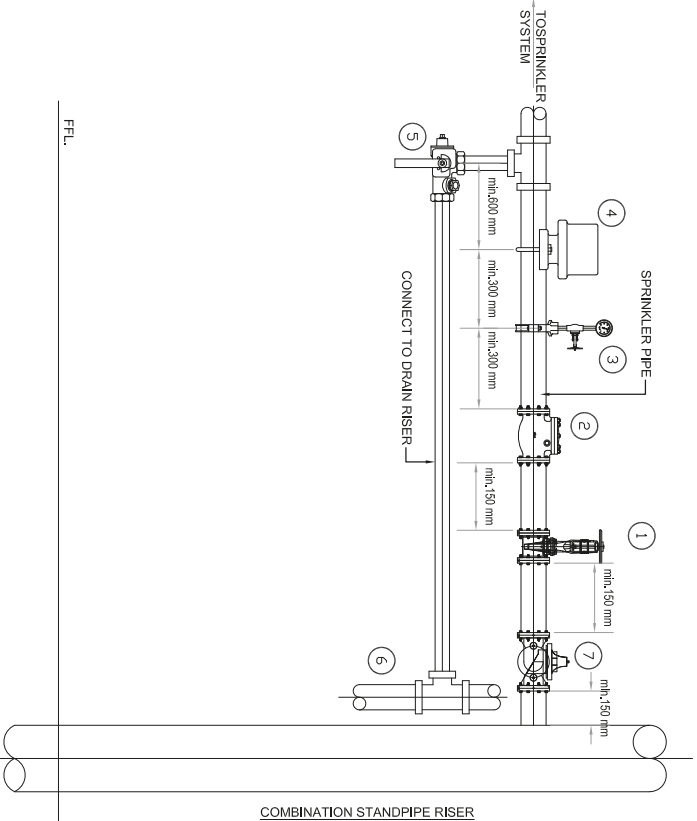
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| Sr. # | Description                 | Brand Name            | Model  |
|-------|-----------------------------|-----------------------|--------|
| 1.1   | OS&Y Gate Valve             | American Fire Control | A-3000 |
| 1.2   | OS&Y Gate Valve             | Mueller               | R-MFP2 |
| 2.1   | Swing Check Valve           | American Fire Control | A-3150 |
| 2.2   | Swing Check Valve           | Mueller               | A2122  |
| 3     | Water Flow Switch           | Potter                | VSR    |
| 4     | Supervisory / Tamper Switch | Potter                | OSYSU  |
| 5     | Pressure Gage               | AGF                   | 7500   |
| 6     | Test & Drain Valve          | GIACOMINI             | A61    |
| 7     | Pressure Reducing Valve     | CLA-VAL               | 90G-21 |

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| ZONE CONTROL VALVE ASSEMBLY 6, 4" DIA. PIPE. |  |           |      |
|--|--|-----------|------|
| SR. NO.                                      | DESCRIPTION                              | MODEL NO. | MAKE |
| 1  | 0.58V TYPE GATE VALVE WITH TAMPER SWITCH | TBA       | TBA  |
| 2  | CHECK VALVE                              | TBA       | TBA  |
| 3  | PRESSURE GAUGE                           | TBA       | TBA  |
| 4  | FLOW SWITCH                              | TBA       | TBA  |
| 5  | COMBINATION TEST AND DRAIN VALVE         | TBA       | TBA  |
| 6  | DRAIN RISER                              | TBA       | TBA  |
| 7  | PRESSURE REDUCING VALVE                  | TBA       | TBA  |

NOTES / REFERENCES  
1) ALL THE MATERIAL WILL BE INSTALLED AS APPROVED MATERIAL SUBMITTAL

1 FLOOR CONTROL VALVE ASSEMBLY DETAIL  
SCALE: NTS

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# DATA SHEET

## A-3000 OS&Y Resilient Wedge Gate Valve - Flanged Ends



**AMERICAN FIRE CONTROL**  
QUALITY IS A PRIORITY

The American A-3000 Flange OS&Y (Outside Screw and Yoke) Gate Valve is a reliable and robust valve designed for various industrial applications. This valve complies with the AWWA C515 standard ensuring high-quality performance and adherence to industry standards. It features a heavy-duty handwheel and attachment nut and high-quality graphite packing.

### SPECIFICATIONS

- Complies with AWWA C515 standard
- Flanged end to ANSI B16.1 Class 125/ANSI B16.42 Class 150/BS EN1092-2 PN16
- Size Range: Available in sizes ranging from 2.5" to 12"
- Max working pressure: 300PSI (21 bar) /Max testing pressure: 600PSI (42bar)
- Working Temperature: 0°C to 80°C (32°F to 176°F)
- Fusion-bonded epoxy coating inside and outside complying with AWWA C550 standards
- Approvals: UL listed , FM approved



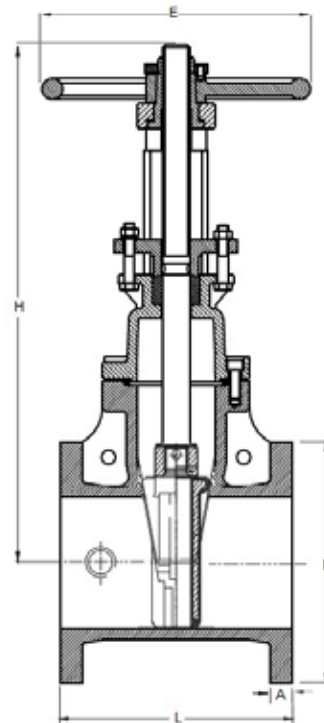
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FABRICATION, AND PERFORMANCE OF THE EQUIPMENT  
FURNISHED.

### PART LIST

| ID | PART                  | MATERIAL                               |
|----|-----------------------|--|
| 1  | Valve Body            | Ductile Iron ASTM A536 65-45-12        |
| 2  | Resilient Wedge       | Ductile Iron ASTM A536/EPDM ASTM D2000 |
| 3  | Wedge Nut             | Stainless Steel 304                    |
| 4  | Dowel Pin             | Stainless Steel 304                    |
| 5  | Stem Back Seat O-Ring | EPDM ASTM D2000                        |
| 6  | Bonnet Gasket         | EPDM ASTM D2000                        |
| 7  | Bonnet                | Ductile Iron ASTM A536                 |
| 8  | Packing               | PTFE Graphite                          |
| 9  | Threaded Rod          | Stainless Steel 304                    |
| 10 | Gland                 | Ductile Iron ASTM A536 65-45-12        |
| 11 | Gland Nut             | Stainless Steel 304                    |
| 12 | Yoke                  | Ductile Iron ASTM A536 65-45-12        |
| 13 | Handwheel             | Ductile Iron ASTM A536 65-45-12        |
| 14 | Handwheel Nut         | C95400 Aluminum Bronze                 |
| 15 | Stem                  | Stainless Steel 304                    |
| 16 | Bolt                  | Stainless Steel 304                    |
| 17 | Yoke Screw            | C95400 Aluminum Bronze                 |
| 18 | NPT Plug              | C95400 Aluminum Bronze                 |



### DIMENSIONS

| SIZE |     | L     |     | H OPEN |      | H CLOSED |      | A    |     | D     |     | E     |     |
|------|-----|-------|-----|--------|------|----------|------|------|-----|-------|-----|-------|-----|
| IN.  | MM. | IN.   | MM. | IN.    | MM.  | IN.      | MM.  | IN.  | MM. | IN.   | MM. | IN.   | MM. |
| 2.5  | 65  | 7.48  | 190 | 16.96  | 431  | 14.56    | 370  | 0.70 | 18  | 7     | 178 | 7.87  | 200 |
| 3    | 80  | 7.99  | 203 | 18.46  | 469  | 16.53    | 420  | 0.74 | 19  | 7.51  | 191 | 7.87  | 200 |
| 4    | 100 | 9.01  | 229 | 21.22  | 539  | 17.59    | 447  | 0.94 | 24  | 9.01  | 229 | 10.24 | 260 |
| 6    | 150 | 10.51 | 267 | 28.18  | 716  | 23.89    | 607  | 0.98 | 25  | 10.98 | 279 | 12.39 | 315 |
| 8    | 200 | 11.49 | 292 | 36.29  | 922  | 29.68    | 754  | 1.14 | 29  | 13.50 | 343 | 14.75 | 375 |
| 10   | 250 | 12.99 | 330 | 44.64  | 1134 | 35.03    | 890  | 1.18 | 30  | 15.98 | 406 | 16.37 | 416 |
| 12   | 300 | 14.01 | 356 | 51.96  | 1320 | 40.59    | 1031 | 1.25 | 32  | 19.01 | 483 | 17.51 | 445 |

### WEIGHTS

| VALVE SIZE     | 2.5"      | 3"      | 4"        | 6"         | 8"         | 10"         | 12"         |
|----------------|-----------|---------|-----------|------------|------------|-------------|-------------|
| WEIGHT LB (KG) | 46.3 (21) | 64 (29) | 79.4 (36) | 136.7 (62) | 213.8 (97) | 315.3 (143) | 425.5 (193) |

All information contained herein is supplied by manufacturer and deemed to be accurate. Information is subject to change without notice. Purchaser is responsible for proper installation, use and maintenance of product. American Fire Control USA, LLC. passes on manufacturer's warranty but extends no other warranty. All products sold by American Fire Control USA, LLC. are subject to its full terms and conditions of sales as published and available on request. Any warranty made extends to original purchaser and is not assignable or transferable.





The American A-3150 Swing check valves are designed only for fire protection services, also referred to as non-return, retention, or one-way valve, a check valve is designed to only allow the flow of water in one direction, a swing type clapper is found inside the valve which is spring loaded preventing water from flowing in a return direction.

### SPECIFICATIONS

- Meet or exceed the requirements of AWWA C508 Standard,
- Full waterway designed
- Max working pressure: 300PSI (21 bar) / Max testing pressure 600PSI (42bar)
- Approvals: UL listed, FM approved
- Flanged ends to ANSI B 16.1 class 125 or ANSI B16.42 class 150
- Min/Max working temperature: 0°C to 80°C (32°F to 176°F)



## Jacobs

TECHNICALLY ACCEPTABLE  
 30/07/23

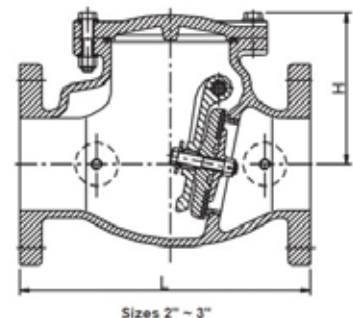
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 FURNISHED.

### COATINGS

- The interior and exterior of the valve coated with fusion-bonded epoxy in accordance with ANSI/AWWA C550

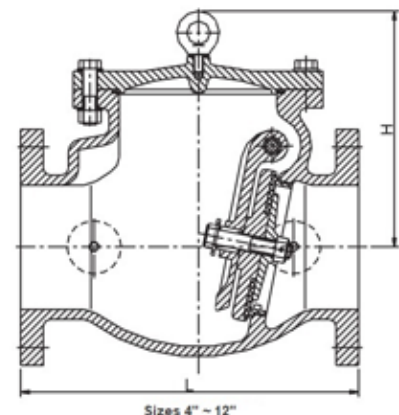
### PART LIST

| ID | PART            | MATERIAL                         |
|----|-----------------|----------------------------------|
| 1  | Valve Body      | Ductile Iron ASTM, A536 65-45-12 |
| 2  | Cover           | Ductile Iron ASTM, A536 65-45-12 |
| 3  | Gasket          | EPDM ASTM D2000                  |
| 4  | Clapper Arm     | Ductile Iron ASTM, A536 65-45-12 |
| 5  | Disc Ring       | EPDM ASTM D2000                  |
| 6  | Disc            | Ductile Iron ASTM, A536 65-45-12 |
| 7  | Retainer Washer | Bronze ASTM A148                 |
| 8  | Hinge Pin       | Stainless Steel ASTM A276, 304   |
| 9  | Pin Plug        | Stainless Steel ASTM A276, 304   |
| 10 | Seat Ring       | Bronze ASTM A148                 |



### DIMENSIONS

| IN   | DN    | L     | H     |
|------|-------|-------|-------|
| 2"   | DN50  | 8"    | 5.6"  |
| 2.5" | DN65  | 8.5"  | 5.8"  |
| 3"   | DN80  | 9.5"  | 6.4"  |
| 4"   | DN100 | 11.5" | 6.8"  |
| 6"   | DN150 | 14"   | 9.2"  |
| 8"   | DN200 | 19.5" | 11.8" |
| 10"  | DN250 | 24.5" | 13.7" |
| 12"  | DN300 | 27.5" | 16.5" |



### WEIGHTS

| VALVE SIZE     | 2"     | 2.5"   | 3"     | 4"     | 6"      | 8"       | 10"      | 12"      |
|----------------|--------|--------|--------|--------|---------|----------|----------|----------|
| WEIGHT LB (KG) | 33(15) | 44(20) | 55(25) | 75(34) | 143(65) | 251(114) | 408(185) | 617(280) |

All information contained herein is supplied by manufacturer and deemed to be accurate. Information is subject to change without notice.  
 Purchaser is responsible for proper installation, use and maintenance of product. American Fire Control USA, LLC. passes on manufacturer's warranty but extends no other warranty. All products sold by American Fire Control USA, LLC. are subject to its full terms and conditions of sales as published and available on request.  
 Any warranty made extends to original purchaser and is not assignable or transferable.



## Submittal #COM-1873.0 - Fire Fighting Valves COM - Material Submittal

### Distribution Summary

Distributed by Ubada Dange (Contractor Main - Lynx Contracting Company) on Oct 11, 2023

**To** Omar Turk (Contractor Main - Lynx Contracting Company), Abdullah Shalan (Contractor Main - Lynx Contracting Company), Read Sabbah (Contractor Main - Lynx Contracting Company)

**Message** FOR CONST. --REFER TO THE CONSULTANT COMMENTS

**Attachments** [Jawhart Jeddah Mall FF Valve MTS Rv-0.pdf](#), [12 - MAR - firefighting valves.pdf](#)

| Name   | Response          | Attachments | Comments  |
|--|-------------------|-------------|---|
| Naseem Yousef Anaqerh<br>(Consultant - Echo Architecture)  | Approved as Noted |             | <b>Approved as noted subject to :</b><br>- all materials are UL/FM approved .<br>- all material to comply with specification and project documents.<br>- Alarm Check Valve type H with variable pressure trim with retard chamber and motor gong .<br>- Butterfly valves for shops only .<br>- follow detail of installation as per drawing and NFPA recommendation . |
| Ahmad Basheer (Contractor Main - Lynx Contracting Company) | For Record Only   |             |   |

|                               |  |                          |  |
|-------------------------------|--|--------------------------|--|
| <b>Revision</b>               | 0  | <b>Submittal Manager</b> | Ubada Dange (Contractor Main - Lynx Contracting Company) |
| <b>Status</b>                 | Closed   | <b>Date Created</b>      | Oct 1, 2023  |
| <b>Issue Date</b>             | Oct 1, 2023  | <b>Spec Section</b>      | COM - Material Submittal                                 |
| <b>Responsible Contractor</b> | SC - Injaz Technical for Contracting Est.  | <b>Received From</b>     |  |
| <b>Received Date</b>          |  | <b>Submit By</b>         |  |
| <b>Final Due Date</b>         | Oct 9, 2023  | <b>Lead Time</b>         |  |
|                               |  | <b>Cost Code</b>         | 5112500-15500 - FIRE PROTECTION                          |
| <b>Location</b>               | Mechanical   | <b>Type</b>              | Manufacturer Data & Specs                                |
| <b>Approvers</b>              | Nisar Ahmed (Contractor Main - Lynx Contracting Company), Ali Danon (Contractor Main - Lynx Contracting Company), Ahmad Basheer (Contractor Main - Lynx Contracting Company), Syed Fizan (Contractor Main - Lynx Contracting Company), Marko Injac (Contractor Main - Lynx Contracting Company), Feras Jabr (Contractor Main - Lynx Contracting Company), Naseem Yousef Anaqerh (Consultant - Echo Architecture), Mohammed Jamal (Consultant - Echo Architecture), Ibrahim Quraishi (Consultant - Echo Architecture) |                          |  |
| <b>Ball in Court</b>          |  |                          |  |
| <b>Distribution</b>           | Syed Fizan (Contractor Main - Lynx Contracting Company)  |                          |  |
| <b>Description</b>            | <b>Submitted Material List:</b><br>1) OS&Y Gate Valve - American Fire Control.<br>2) Swing Check Valve - American Fire Control.  |                          |  |

- 3) Supervisory Switch - Potter.
- 4) Flow Switch - Potter.
- 5) Test & Drain Valve - HD Fire.
- 6) Pressure Gauge - AGF.
- 7) Alarm Check Valve - HD Fire.
- 8) Butterfly Valve - American Fire Control.

### Submittal Workflow

| Name                               | Sent Date  | Due Date    | Returned Date | Response          | Attachments   |
|------------------------------------|--|-------------|---------------|-------------------|---|
| General Information<br>Attachments |  |             |               |                   | <a href="#">12 - MAR - firefighting valves.pdf</a><br><a href="#">Jawhart Jeddah Mall FF Valve MTS Rv-0.pdf</a> |
| Ubada Dange                        |  | Oct 3, 2023 | Oct 1, 2023   | Submitted         |   |
| Nisar Ahmed                        | Oct 1, 2023  | Oct 5, 2023 | Oct 2, 2023   | For Record Only   |   |
| Ali Danon                          | Oct 1, 2023  | Oct 5, 2023 |               | Pending           |   |
| Ahmad Basheer                      | Oct 2, 2023  | Oct 7, 2023 | Oct 10, 2023  | For Record Only   |   |
| <b>Comment</b>                     | for approval   |             |               |                   |   |
| Syed Fizan                         | Oct 2, 2023  | Oct 7, 2023 |               | Pending           |   |
| Marko Injac                        | Oct 2, 2023  | Oct 7, 2023 |               | Pending           |   |
| Feras Jabr                         | Oct 2, 2023  | Oct 7, 2023 |               | Pending           |   |
| Naseem<br>Yousef Anaqerh           | Oct 10, 2023   | Oct 9, 2023 | Oct 11, 2023  | Approved as Noted |   |
| <b>Comment</b>                     | <b>Approved as noted subject to :</b> <ul style="list-style-type: none"> <li>- all materials are UL/FM approved .</li> <li>- all material to comply with specification and project documents.</li> <li>- Alarm Check Valve type H with variable pressure trim with retard chamber and motor gong .</li> <li>- Butterfly valves for shops only .</li> <li>- follow detail of installation as per drawing and NFPA recommendation .</li> </ul> |             |               |                   |   |
| Mohammed Jamal                     | Oct 10, 2023   | Oct 9, 2023 |               | Pending           |   |
| Ibrahim Quraishi                   | Oct 10, 2023   | Oct 9, 2023 |               | Pending           |   |



KING ABDULAZIZ INTERNATIONAL  
AIRPORT  
JEDDAH- SAUDI ARABIA  
HAJJ TERMINAL COMPLEX



Project Name : Fire Protection System

Project ID : UDC-P-528

Contractor : UNITED DIAMOND CONTRACTORS Co.

Contract NO :

Reference No : UDC-P528-ME-FF-MS-008

Revision No : 0

Date : 12-Feb-24

Subject : Fire Fighting Valves - American Fire Control - AFC

Specification & BOQ Reference :

| DOCUMENTS                      | DRAWINGS   | MATERIALS  |
|--------------------------------|--|--|
| Specify<br>Technical Submittal | <input type="checkbox"/> Design Drawings<br><input type="checkbox"/> Shop Drawings<br><input type="checkbox"/> As Built Drawings | <input checked="" type="checkbox"/> Materials Submittals<br><input type="checkbox"/> Calculation<br><input type="checkbox"/> Samples |

Attachments Hard Copies & PCMs

|                |   |                |   |
|----------------|---|----------------|---|
| Documents      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Soft Copy / CD | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Drawings       | <input type="checkbox"/> Yes <input type="checkbox"/> No            | Samples        | <input type="checkbox"/> Yes <input type="checkbox"/> No            |
| Technical Data | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Others         |   |

| Reviewers (BCC)                                 | Initial Approval | Remarks |   |   |  |
|---|------------------|---------|---|---|--|
|   | A                | B       | C | D |  |
| <input type="checkbox"/> Architectural          |                  |         |   |   |  |
| <input type="checkbox"/> Structural             |                  |         |   |   |  |
| <input checked="" type="checkbox"/> Mechanical  |                  |         |   |   | * OY&Y Gate Valves - American Fire Control - AFC |
| <input type="checkbox"/> Electrical             |                  |         |   |   |  |
| <input type="checkbox"/> Contract Administrator |                  |         |   |   |  |
| <input type="checkbox"/> PCM & Planning         |                  |         |   |   |  |
| <input type="checkbox"/> Quality Assurance      |                  |         |   |   |  |
| <input type="checkbox"/> Safety                 |                  |         |   |   |  |
| <input type="checkbox"/> Surveying              |                  |         |   |   |  |
| <input type="checkbox"/> Others                 |                  |         |   |   |  |

Final Approval Code:

A - Approved

☐

C - Revise and Resubmit

☐

B - Approved As Noted, Resubmittal Not Required

☒

D - Not Approved

☐

Consultant's Comments

- follow The Instructions of NFPA code.

UDC Representative

Name : Eng. Mahmood Ismaeil

Signature :

Date : 12-Feb-24

Stamp :

Consultant or Client Representative

Name :




Signature :

Date : 19/2/2024

Stamp :

3550038237 5130000071

0202 / / التاريخ: 19/2/2024

|  |                                |  |   |
|--|--------------------------------|--|---|
| Q03/2022   | رقم المشروع                    |  اسم المشروع : إنشاء القرية الشعبية - اشبيلية |   |
| المقاول  |                                | المطور   | الإستشاري   |
|  المرشد للمقاولات والبريكاست<br>ALMARSHAD CONTRACTING & PRECAST |                                | شركة حدة اشبيلية<br>للاستثمار  |  المركز المعماري<br>ARCH. CENTRE |
| REQUEST FOR MATERIALS APPROVAL   |                                | طلب اعتماد مواد  |   |
| 2/11/2023  | تاريخ التقديم:                 | M-MAT-14   | رقم التقديم :   |
| REV  | 0                              | ميكانيكا   | نوع التقديم :   |
| AMEICAN FIRE CONTROL   |                                | نوع المادة المقدمة :   |   |
| مواصفات المادة المقدمة للإعتماد ( حسب العقد ) :  |                                | جداول الكميات والمواصفات   |   |
|  |                                | رقم البند:   | 15-1  |
|  |                                | رقم الصفحة:  |   |
|  |                                | رقم المواصفه:  | 15-100  |
|  |                                | مكان الاستخدام:  | كامل المشروع  |
| هاتف   | المصنع أو الوكيل               | بلد المنشأ   | عينات   |
| 6991226  | شركة الاعمال العمومية المغربية | امريكا   | م   |
|  |                                | امريكا   | 1   |
|  |                                | امريكا   | 2   |
|  |                                | امريكا   | 3   |
|  |                                | امريكا   | 4   |
|  |                                | المادة   | TEST & DRAIN VALVE ( HD FIRE )  |
|  |                                |  | BUTTERFLY VALVE (AMEICAN FIRE CONTROL )   |
|  |                                |  | FLOW SWITCH (POTTER )   |
|  |                                |  | PRESSURE GAUGE (AGF)  |
|  |                                | توقيع و ختم المقاول:   | المهندس المختص: م/ السيد هيكل   |
|  |                                | Contractor's Stamp & Sin   | التوقيع :   |
|  |                                | مدير المشروع: م/ غسان الحسين   | التاريخ : 2/11/2023   |
|  |                                | التوقيع :  | التاريخ : 2/11/2023   |
|  |                                | ملاحظات و توصيات الإستشاري :   |   |
|  |                                | التوصية بالموافقه A  | <input type="checkbox"/>  |
|  |                                | التوصية بالموافقه مع ملاحظات B   | <input checked="" type="checkbox"/>   |
|  |                                | التوصية بالرفض مع اعادة التقديم  | <input type="checkbox"/>  |
|  |                                | RECEIVED   | 04 NOV 2023   |
|  |                                | المرشد للمقاولات   | المرشد للمقاولات  |
|  |                                | اشبيلية  | اشبيلية   |
|  |                                | ١ محسني لايضيار د (ZCVA) من نوع (HD Fire) (UL-FM)  |   |
|  |                                | ٢ محسني فراشة مع Tamersulite متصل لوحه اخراج الحريق (UL-FM)  |   |
|  |                                | ٣ Flow switch من نوع (Potter) - (UL-FM) لنفاث (ZCVA)   |   |
|  |                                | ٤ حمار منقطع من نوع AGF - (UL-FM) ويستند لجميع دقعات الغيار من (ZCVA)  |   |
|  |                                | ٥ اك مفتح الحريق   |   |
|  |                                | ويتم تقديم شهادة المنشأ عند لتوريد من الموقع مع شهادات اصفان   |   |
|  |                                | مدير المشروع: م/صالح كامل  | المهندس المختص: م/سامح نصير   |
|  |                                | التوقيع :  | التوقيع :   |
|  |                                | التاريخ : 2023/11/4  | التاريخ : 2023/11/4   |
|  |                                | ١ : هذا النموذج يكتمل بملحق من جدول  | ٢ : هذا النموذج يكتمل بملحق من جدول   |
|  |                                | ملاحظات هامه :   |   |

مشروع  
استكمال متطلبات الدفاع المدني لإصلابية الحائض

طلب اعتماد مواد المشروع

اللائحة: وزارة الداخلية - المديرية العامة للدفاع  
الخدمات الوقائية، مجموعة من لوائح السعودية  
الاستشاري الوقائي، شركة دار جيمس  
استشاري أعمال السلامة، مكتب ماثيو الاستشارات  
معايير أعمال الدفاع المدني شركة أنظمة المعن المعمورة

| رقم التقديم | رقم المشروع | اسم المشروع                                   | التاريخ   |
|-------------|-------------|---|-----------|
| ١           | ٢           | استكمال متطلبات الدفاع المدني لإصلابية الحائض | 2024-4-21 |

| مقدم إلى    | مكتب عاشور للاستشارات الهندسية      |
|-------------|-------------------------------------|
| نوع التقديم | مواد<br>● للاعتماد<br>○ للموافقة    |
| آخرى        | ملفات تغيير<br>وثيقة نظام<br>الجودة |

| تفاصيل طلب<br>الإشهاد | الشركات المصنعة<br>American Fire Control, Tyro, Viking & HD Fire |
|-----------------------|--|
|-----------------------|--|

| المرفقات | مواصفات المنتج الفنية + تقرير اختبار  |
|----------|---|
| إشادات   | ١- بما كسر على أن تكون كائن بجانب قبل الإرسال على بحكم كسر<br>٢- بر لوح في سبيل لتمام لغيره مواصفات كسر في سبيل كسر |

| حالة المراجعة | قيد الانتظار | موافقة | وافق كسما<br>لو حقت | تم - إعادة الإرسال<br>الرفض | غير مكتمل -<br>إعادة الإرسال |
|---------------|--------------|--------|---------------------|-----------------------------|------------------------------|
|---------------|--------------|--------|---------------------|-----------------------------|------------------------------|



ختم المطور



MAERSK

MAERSK  
HEAD OFFICEJEDDAH  
(RASD BUILDING)



UNITED DIAMOND CONTRACTORS CO.  
شركة الماس المثلج  
للبناء والتشييد  
For Construction and Building

Project Name : MAERSK HEAD OFFICEJEDDAH (RASD BUILDING)

Project ID : UDC-P-685

Contractor : UNITED DIAMOND CONTRACTORS Co.

Contract NO. :

Reference No : UDC-P685-ME-DR-MAT-007

Revision No : 0

Date : 19-Jun-23

Subject : FF - Zone Control Valve

Specification & BOQ Reference :

Attachments (Plant Support & PCM)

Specify  
1 Technical Submittal

☐ Design Drawings  
☐ Shop Drawings  
☐ As Built Drawings

☒ Materials Submittals  
☐ Calculation  
☐ Samples

Documents

☒ Yes ☐ No

Soft Copy / CD

☒ Yes ☐ No

Drawings

☐ Yes ☐ No

Samples

☐ Yes ☐ No

Technical Data

☐ Yes ☐ No

Others

Reviews (BS)

Initial Approval  
A B C D

Remarks

☐ Architectural

☐ Structural

☒ Mechanical

Fire Fighting - Zone Control Valve  
- American Fire Control - Mueller  
- Potter - Ashcroft - AGF - Giacomini

☐ Electrical

☐ Contract Administrator

☐ PCM & Planning

☐ Quality Assurance

☐ Safety

☐ Surveying

☐ Others

Final Approval Gate:

☒ A - Approved

☐ B - Approved As Noted, Resubmittal Not Required

☒ C - Revise and Resubmit

☐ D - Not Approved

Consultant's Comments

Accepted.

UDC Representative

Name : Mahmoud Ismail Mohamed  
Signature :  
Date :  
Stamp :

Consultant or Client Representative

Name :  
Signature :  
Date :  
Stamp :  
20/06/23

Design Department


## Material List

| Sr.# | Description                 | Brand Name            | Model   |
|------|-----------------------------|-----------------------|---------|
| 1.1  | OS&Y Gate Valve             | American Fire Control | A-3000  |
| 1.2  | OS&Y Gate Valve             | Mueller               | R-MFP2  |
| 2    | Swing Check Valve           | American Fire Control | A-3150  |
| 3    | Water Flow Switch           | Potter                | VSR     |
| 4    | Supervisory / Tamper Switch | Potter                | OSYSU   |
| 5.1  | Pressure Guge               | Ashcroft              | 1005P   |
| 5.2  | Pressure Guge               | AGF                   | 7500    |
| 6.1  | Test & Drain Valve          | American Fire Control | TDF-100 |
| 6.2  | Test & Drain Valve          | GIACOMINI             | A61     |

| Material Submittal |  |         |    |       |            |
|--------------------|--|---------|----|-------|------------|
| Submittal Ref:     | RAC-AEC-MK27-TSL-MEC-0035  | Rev No: | 00 | Date: | 04/07/2024 |
| Program Title:     | Developmental Housing Program of Saudi Arabia                      |         |    |       |            |
| Project Title:     | AL-SADAN, Jeddah, P1&P3, (Contract # 23001513)                     |         |    |       |            |
| The Employer:      | National Housing Company (NHC)                                     |         |    |       |            |
| Third party:       | Dar AL Riyadh  |         |    |       |            |
| Consultant:        | Al Mnaab Consulting Engineering                                    |         |    |       |            |
| Contractor:        | REZAIK ABDULAH SAEID ALGEDRAWY ALSEBAITY AND PARTNERS COMPANY LTD. |         |    |       |            |


|   |
|---|
| <b>Guidance notes:</b>  |
| The submission should only include documents which are deemed compliant with the SOPR, Applicable Codes and have been reviewed and coordinated between the Contractor and Designer (and Engineer if applicable) and should include any authorised variations/changes as instructed. |

|  |
|--|
| <b>Review Discipline:</b>  |
| Architectural <input type="checkbox"/> Structural/Civil <input type="checkbox"/> MECH/Plumb <input checked="" type="checkbox"/> Elec. <input type="checkbox"/> Others (specify) <input type="checkbox"/> |

| Material Details:  |  | DAR AL RIYADH Review |  |
|--|--|----------------------|--|
| Notes: DAR AL RIYADH review will recommend either Objection or No Objection to each item. Non-Objected shall be issued to the NHC with the recommendation to approve. Objected shall be returned to the Contractor with an Objection report. |  |                      |  |
|  |  |                      |  |
| Proposed by: REZAIK AL GEDRAWY CO.   | The Consultant (Designer & The Engineer)   |                      |  |
| Sign/Stamp   |  | Sign/Stamp           |  |

| Material Information             |  | Checklist                          |                                     |
|----------------------------------|--|------------------------------------|-------------------------------------|
| Location/element Ref:            | Mechanical Works                                       | Drawing/Specification              | <input type="checkbox"/>            |
| Specified Material:              | FIREFIGHTING VALVES AND SPRINKLER SYSTEM               | Product Datasheet                  | <input checked="" type="checkbox"/> |
| Proposed Material:               | FIREFIGHTING VALVES AND SPRINKLER SYSTEM               | Compliance Certificates/ Documents | <input checked="" type="checkbox"/> |
| Manufacturer & Product code ref: | United Diamond Contractors Company.                    | Compliance Statement               | <input checked="" type="checkbox"/> |
| Remarks/Notes:                   | Pre-Qualification Approved - RAC-AEC-MK27-SAT-MEC-0027 | Sample (available)                 | <input checked="" type="checkbox"/> |

|               |              |  |          |          |         |  |
|---------------|--------------|--|----------|----------|---------|--|
| THE ENGINEER* | Review Date: |  | Rejected | Approved | Signed: |  |
|               | Print Name:  |  |          |          |         |  |

|     |                              |  |           |              |         |   |
|-----|------------------------------|--|-----------|--------------|---------|---|
| PMC | Recommendations to NHC Date: |  | Objection | No Objection | Signed: |  |
|     | Print Name:                  |  |           | ✓            |         |   |

|     |              |  |           |              |         |  |
|-----|--------------|--|-----------|--------------|---------|--|
| NHC | Review Date: |  | Objection | No Objection | Signed: |  |
|     | Print Name:  |  |           |              |         |  |

## Supplier Approval Request

|                |  |         |    |       |            |
|----------------|--|---------|----|-------|------------|
| Submittal Ref: | RAC-AEC-MK27-SAT-MEC-0027  | Rev No: | 00 | Date: | 20/02/2024 |
| Program Title: | Developmental Housing Program of Saudi Arabia                      |         |    |       |            |
| Project Title: | AL-SADAN, Jeddah, P1&P3, (Contract # 23001513)                     |         |    |       |            |
| The Employer:  | National Housing Company (NHC)                                     |         |    |       |            |
| Third party:   | Dar AL Riyadh  |         |    |       |            |
| Consultant:    | Al Mnabr Consulting Engineering                                    |         |    |       |            |
| Contractor:    | REZAIK ABDULAH SAEID ALGEDRAWY ALSEBAITY AND PARTNERS COMPANY LTD. |         |    |       |            |

### Guidance notes:

The submission should only include documents which are deemed compliant with the SOPR, Applicable Codes and have been reviewed and coordinated between the Contractor and Designer (and Engineer if applicable) and should include any authorised variations/changes as instructed.

### Review Discipline:

|  |   |  |                                |   |
|--|---|--|--------------------------------|---|
| Architectural <input type="checkbox"/> | Structural/Civil <input type="checkbox"/> | MECH/Plumb <input checked="" type="checkbox"/> | Elec. <input type="checkbox"/> | Others (specify) <input type="checkbox"/> |
|--|---|--|--------------------------------|---|

### Document Details: ✓

### DAR AL RIYADH Review

Notes: DAR AL RIYADH review will recommend either Objection or No Objection to each item. Non-Objected shall be issued to the NHC with the recommendation to approve. Objected shall be returned to the Contractor with an Objection report.

The Title: Pre-Qualification of United Diamond Contractors Co.

Proposed by: REZAIK AL GEDRAWY CO.

The Consultant (Designer & The Engineer)

Sign/Stamp



Sign/Stamp

| S. No: | Document Title/Description:                         | Reference No: | Rev No: | Remarks       |
|--------|---|---------------|---------|---------------|
| 1      | Pre-Qualification of United Diamond Contractors Co. |               |         | Attached file |
|        |   |               |         |               |

### Reviewed for compliance by:

Notes: The Engineer\* shall review and approve when the Supervision Consultant differs from the Designer only. DAR AL RIYADH shall only issue recommendations based upon 'No Objection' to the Client. Any 'Objections' shall be returned to the Contractor with a review report for action and may be copied to the NHC when necessary.

|               |              |  |          |          |         |  |
|---------------|--------------|--|----------|----------|---------|--|
| THE ENGINEER* | Review Date: |  | Rejected | Approved | Signed: |  |
|               | Print Name:  |  |          |          |         |  |

|     |                              |  |           |              |         |  |
|-----|------------------------------|--|-----------|--------------|---------|--|
| PMC | Recommendations to NHC Date: |  | Objection | No Objection | Signed: |  |
|     | Print Name:                  |  |           | ✓            |         |  |

|     |              |  |           |              |         |  |
|-----|--------------|--|-----------|--------------|---------|--|
| NHC | Review Date: |  | Objection | No Objection | Signed: |  |
|     | Print Name:  |  |           |              |         |  |

# TECHNICAL SUBMITTAL

|                        |   |  |
|------------------------|---|--|
| <b>Project Name</b>    | : | El Sadan Society Jeddah  |
| <b>Client</b>          | : | National Housing Company   |
| <b>Consultant</b>      | : | Dar Al Riyadh  |
| <b>FF Consultant</b>   | : | Al Mnabr Consultng   |
| <b>Main Contractor</b> | : | Rezaik Al Gedrawy Company  |
| <b>FF Supplier</b>     | : | United Diamond Contractors   |
| <b>Scope Of Work</b>   | : | 1-Fire Fighting Valves – AFC<br>2-Fire Fighting Valves<br>3-Sprinkler System |
| <b>Ref. #</b>          | : | UDC-P698-ME-FF-MAT-002   |

**Date : 1 July 2024**

# INDEX

| Sr. # | Description                |
|-------|----------------------------|
| 1     | Fire Fighting Valves – AFC |
| 2     | Fire Fighting Valves       |
| 3     | Sprinkler System           |

# DATA SHEET

## AG-3000 OS&Y Resilient Wedge Gate Valve - Grooved Ends



**AMERICAN FIRE CONTROL**  
QUALITY IS A PRIORITY

The American AG-3000 Grooved OS&Y (Outside Screw and Yoke) Gate Valve is a reliable and robust valve designed for various industrial applications. This valve complies with the AWWA C515 standard ensuring high-quality performance and adherence to industry standards. It features a heavy-duty handwheel and attachment nut and high-quality graphite.

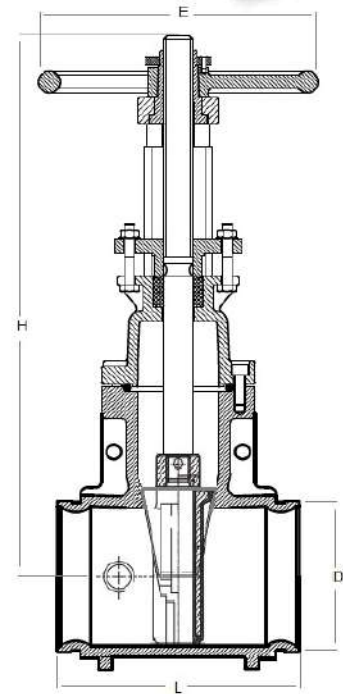


### SPECIFICATIONS

- Complies with AWWA C515 standard
- End Connections: Groove to AWWA C606
- Size Range: Available in sizes ranging from 2.5" to 12"
- Max working pressure: 300PSI (21 bar) /Max testing pressure: 600PSI (42bar)
- Working Temperature: 0°C to 80°C (32°F to 176°F)
- Fusion-bonded epoxy coating inside and outside complying with AWWA C550 standards
- Approvals: UL listed , FM approved

### PART LIST

| ID | PART                  | MATERIAL                               |
|----|-----------------------|--|
| 1  | Valve Body            | Ductile Iron ASTM A536 65-45-12        |
| 2  | Resilient Wedge       | Ductile Iron ASTM A536/EPDM ASTM D2000 |
| 3  | Wedge Nut             | Stainless Steel 304                    |
| 4  | Dowel Pin             | Stainless Steel 304                    |
| 5  | Stem Back Seat O-Ring | EPDM ASTM D2000                        |
| 6  | Bonnet Gasket         | EPDM ASTM D2000                        |
| 7  | Bonnet                | Ductile Iron ASTM A536                 |
| 8  | Packing               | PTFE Graphite                          |
| 9  | Threaded Rod          | Stainless Steel 304                    |
| 10 | Gland                 | Ductile Iron ASTM A536 65-45-12        |
| 11 | Gland Nut             | Stainless Steel 304                    |
| 12 | Yoke                  | Ductile Iron ASTM A536 65-45-12        |
| 13 | Handwheel             | Ductile Iron ASTM A536 65-45-12        |
| 14 | Handwheel Nut         | C95400 Aluminum Bronze                 |
| 15 | Stem                  | Stainless Steel 304                    |
| 16 | Bolt                  | Stainless Steel 304                    |
| 17 | Yoke Screw            | C95400 Aluminum Bronze                 |
| 18 | NPT Plug              | C95400 Aluminum Bronze                 |



### DIMENSIONS

| SIZE |     | L     |     | H OPEN |      | H CLOSED |      | E     |     | D     |       |
|------|-----|-------|-----|--------|------|----------|------|-------|-----|-------|-------|
| IN.  | MM. | IN.   | MM. | IN.    | MM.  | IN.      | MM.  | IN.   | MM. | IN.   | MM.   |
| 2.5  | 65  | 7.48  | 190 | 16.96  | 431  | 14.56    | 370  | 7.87  | 200 | 2.99  | 76    |
| 3    | 80  | 7.99  | 203 | 18.46  | 469  | 16.53    | 420  | 7.87  | 200 | 3.5   | 88.9  |
| 4    | 100 | 9.01  | 229 | 21.22  | 539  | 17.59    | 447  | 10.24 | 260 | 4.5   | 114.3 |
| 6    | 150 | 10.51 | 267 | 28.18  | 716  | 23.89    | 607  | 12.39 | 315 | 6.62  | 168.3 |
| 8    | 200 | 11.49 | 292 | 36.29  | 922  | 29.68    | 754  | 14.75 | 375 | 8.62  | 219.1 |
| 10   | 250 | 12.99 | 330 | 44.64  | 1134 | 35.03    | 890  | 16.37 | 416 | 10.74 | 273   |
| 12   | 300 | 14.01 | 356 | 51.96  | 1320 | 40.59    | 1031 | 17.51 | 445 | 12.75 | 323.9 |

### WEIGHTS

| VALVE SIZE     | 2.5"       | 3"       | 4"       | 6"        | 8"        | 10"        | 12"        |
|----------------|------------|----------|----------|-----------|-----------|------------|------------|
| WEIGHT LB (KG) | 36.4(16.5) | 48.5(22) | 57.3(26) | 105.8(48) | 158.7(72) | 240.3(109) | 337.3(153) |

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AMERICAN FIRE CONTROL CO., LLC 255 S Orange Ave, Orlando, FL 32801, USA

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The American AG-3500 Grooved swing check valves are designed to exclusively permit the flow of water in one direction. Inside the valve a swing-type clapper equipped with a spring mechanism ensures that water can only move in the intended direction preventing any backflow. This critical feature is essential for maintaining the effectiveness and reliability of fire protection systems.



### SPECIFICATIONS

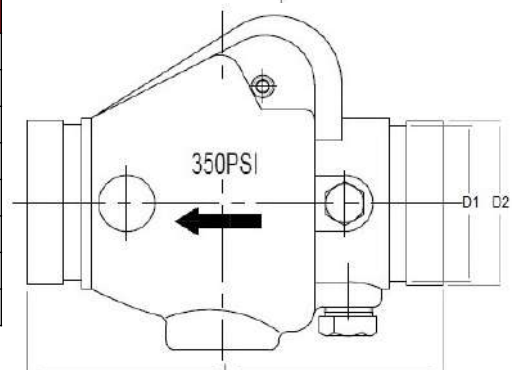
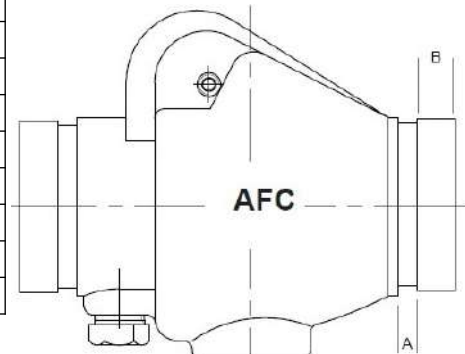
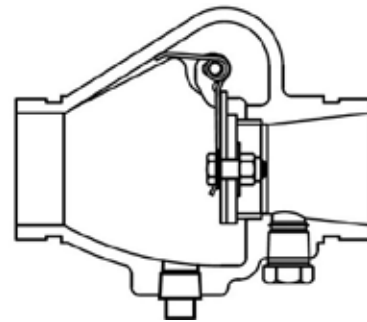
- Grooved dimensions comply with metric or AWWA C606 standard
- Max working pressure: 350PSI (24 bar) / Max testing pressure 700PSI (48 bar)
- Approvals: UL listed, FM approved
- Min/Max working temperature: 0°C to 80°C (32°F to 176°F)
- Application: indoor and outdoor use
- Installation: horizontal or vertical

### COATINGS

- The interior and exterior of the valve coated with fusion-bonded epoxy in accordance with ANSI/AWWA C550 or painting according to request

### PART LIST

| ID | PART          | MATERIAL                         |
|----|---------------|----------------------------------|
| 1  | Valve Body    | Ductile Iron ASTM, A536 65-45-12 |
| 2  | Clapper       | Stainless Steel ASTM A276, 304   |
| 3  | Coil Spring   | Stainless Steel ASTM A276, 304   |
| 4  | Nut           | Stainless Steel ASTM A276, 304   |
| 5  | Bolt          | Stainless Steel ASTM A276, 304   |
| 6  | Spring Washer | Stainless Steel ASTM A276, 304   |
| 7  | Seal Ring     | EPDM ASTM D2000                  |
| 8  | Seat          | Bronze , C95400                  |
| 9  | Drain Plug    | Stainless Steel ASTM A276, 304   |
| 10 | Pin Plug      | Stainless Steel ASTM A276, 304   |
| 11 | Gasket        | EPDM ASTM D2000                  |
| 12 | Hinge Pin     | Stainless Steel ASTM A276, 304   |



### DIMENSIONS

| IN   | DN    | A     | B     | D1     | D2     | L      |
|------|-------|-------|-------|--------|--------|--------|
| 2"   | DN50  | 0.31" | 0.63" | 2.25"  | 2.37"  | 6.65"  |
| 2.5" | DN65  | 0.31" | 0.63" | 2.84"  | 2.99"  | 7.12"  |
| 3"   | DN80  | 0.31" | 0.63" | 3.34"  | 3.50"  | 7.79"  |
| 4"   | DN100 | 0.37" | 0.63" | 4.33"  | 4.50"  | 8.42"  |
| 6"   | DN150 | 0.37" | 0.63" | 6.33"  | 6.62"  | 10.63" |
| 8"   | DN200 | 0.44" | 0.75" | 8.44"  | 8.63"  | 12.80" |
| 10"  | DN250 | 0.50" | 0.75" | 10.75" | 10.55" | 17.99" |
| 12"  | DN300 | 0.50" | 0.75" | 12.75" | 12.53" | 21.06" |

### WEIGHTS

| VALVE SIZE | 2"     | 2.5"   | 3"     | 4"     | 6"      | 8"      | 10"     | 12"     |
|------------|--------|--------|--------|--------|---------|---------|---------|---------|
| WEIGHT LB  | 6.17   | 10.14  | 13.66  | 19.62  | 44.75   | 78.70   | 124.12  | 173.72  |
| (KG)       | (2.80) | (4.60) | (6.20) | (8.90) | (20.30) | (35.70) | (56.30) | (78.80) |

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## DATA SHEET

### A-3000 OS&Y Resilient Wedge Gate Valve - Flanged Ends



**AMERICAN FIRE CONTROL**  
QUALITY IS A PRIORITY

The American A-3000 Flange OS&Y (Outside Screw and Yoke) Gate Valve is a reliable and robust valve designed for various industrial applications. This valve complies with the AWWA C515 standard ensuring high-quality performance and adherence to industry standards. It features a heavy-duty handwheel and attachment nut and high-quality graphite packing.

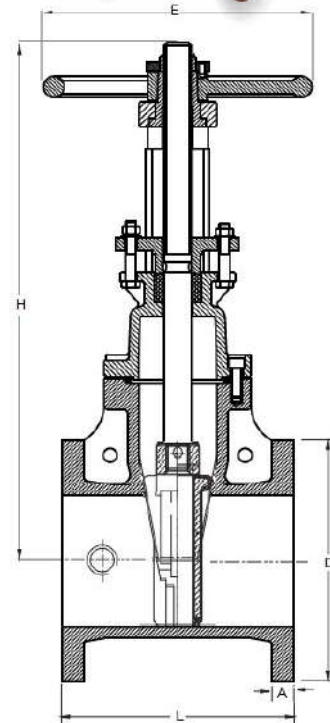
#### SPECIFICATIONS

- Complies with AWWA C515 standard
- Flanged end to ANSI B16.1 Class 125/ANSI B16.42 Class 150/BS EN1092-2 PN16
- Size Range: Available in sizes ranging from 2.5" to 12"
- Max working pressure: 300PSI (21 bar) /Max testing pressure: 600PSI (42bar)
- Working Temperature: 0°C to 80°C (32°F to 176°F)
- Fusion-bonded epoxy coating inside and outside complying with AWWA C550 standards
- Approvals: UL listed , FM approved



#### PART LIST

| ID | PART                  | MATERIAL                               |
|----|-----------------------|--|
| 1  | Valve Body            | Ductile Iron ASTM A536 65-45-12        |
| 2  | Resilient Wedge       | Ductile Iron ASTM A536/EPDM ASTM D2000 |
| 3  | Wedge Nut             | Stainless Steel 304                    |
| 4  | Dowel Pin             | Stainless Steel 304                    |
| 5  | Stem Back Seat O-Ring | EPDM ASTM D2000                        |
| 6  | Bonnet Gasket         | EPDM ASTM D2000                        |
| 7  | Bonnet                | Ductile Iron ASTM A536                 |
| 8  | Packing               | PTFE Graphite                          |
| 9  | Threaded Rod          | Stainless Steel 304                    |
| 10 | Gland                 | Ductile Iron ASTM A536 65-45-12        |
| 11 | Gland Nut             | Stainless Steel 304                    |
| 12 | Yoke                  | Ductile Iron ASTM A536 65-45-12        |
| 13 | Handwheel             | Ductile Iron ASTM A536 65-45-12        |
| 14 | Handwheel Nut         | C95400 Aluminum Bronze                 |
| 15 | Stem                  | Stainless Steel 304                    |
| 16 | Bolt                  | Stainless Steel 304                    |
| 17 | Yoke Screw            | C95400 Aluminum Bronze                 |
| 18 | NPT Plug              | C95400 Aluminum Bronze                 |



#### DIMENSIONS

| SIZE |     | L     |     | H OPEN |      | H CLOSED |      | A    |     | D     |     | E     |     |
|------|-----|-------|-----|--------|------|----------|------|------|-----|-------|-----|-------|-----|
| IN.  | MM. | IN.   | MM. | IN.    | MM.  | IN.      | MM.  | IN.  | MM. | IN.   | MM. | IN.   | MM. |
| 2.5  | 65  | 7.48  | 190 | 16.96  | 431  | 14.56    | 370  | 0.70 | 18  | 7     | 178 | 7.87  | 200 |
| 3    | 80  | 7.99  | 203 | 18.46  | 469  | 16.53    | 420  | 0.74 | 19  | 7.51  | 191 | 7.87  | 200 |
| 4    | 100 | 9.01  | 229 | 21.22  | 539  | 17.59    | 447  | 0.94 | 24  | 9.01  | 229 | 10.24 | 260 |
| 6    | 150 | 10.51 | 267 | 28.18  | 716  | 23.89    | 607  | 0.98 | 25  | 10.98 | 279 | 12.39 | 315 |
| 8    | 200 | 11.49 | 292 | 36.29  | 922  | 29.68    | 754  | 1.14 | 29  | 13.50 | 343 | 14.75 | 375 |
| 10   | 250 | 12.99 | 330 | 44.64  | 1134 | 35.03    | 890  | 1.18 | 30  | 15.98 | 406 | 16.37 | 416 |
| 12   | 300 | 14.01 | 356 | 51.96  | 1320 | 40.59    | 1031 | 1.25 | 32  | 19.01 | 483 | 17.51 | 445 |

#### WEIGHTS

| VALVE SIZE     | 2.5"      | 3"      | 4"        | 6"         | 8"         | 10"         | 12"         |
|----------------|-----------|---------|-----------|------------|------------|-------------|-------------|
| WEIGHT LB (KG) | 46.3 (21) | 64 (29) | 79.4 (36) | 136.7 (62) | 213.8 (97) | 315.3 (143) | 425.5 (193) |

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The American A-3150 Swing check valves are designed only for fire protection services, also referred to as non-return, retention, or one-way valve, a check valve is designed to only allow the flow of water in one direction, a swing type clapper is found inside the valve which is spring loaded preventing water from flowing in a return direction.

### SPECIFICATIONS

- Meet or exceed the requirements of AWWA C508 Standard,
- Full waterway designed
- Max working pressure: 300PSI (21 bar) / Max testing pressure 600PSI (42bar)
- Approvals: UL listed, FM approved
- Flanged ends to ANSI B 16.1 class 125 or ANSI B16.42 class 150
- Min/Max working temperature: 0°C to 80°C (32°F to 176°F)

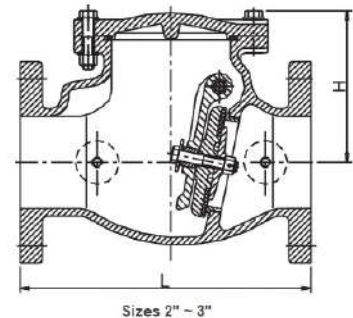


### COATINGS

- The interior and exterior of the valve coated with fusion-bonded epoxy in accordance with ANSI/AWWA C550

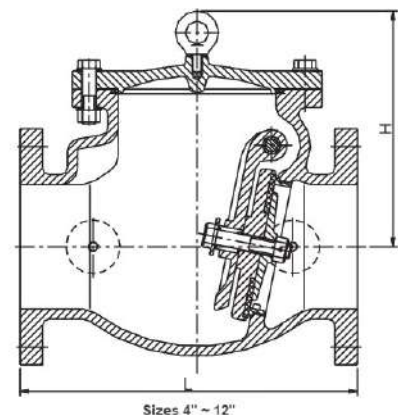
### PART LIST

| ID | PART            | MATERIAL                         |
|----|-----------------|----------------------------------|
| 1  | Valve Body      | Ductile Iron ASTM, A536 65-45-12 |
| 2  | Cover           | Ductile Iron ASTM, A536 65-45-12 |
| 3  | Gasket          | EPDM ASTM D2000                  |
| 4  | Clapper Arm     | Ductile Iron ASTM, A536 65-45-12 |
| 5  | Disc Ring       | EPDM ASTM D2000                  |
| 6  | Disc            | Ductile Iron ASTM, A536 65-45-12 |
| 7  | Retainer Washer | Bronze ASTM A148                 |
| 8  | Hinge Pin       | Stainless Steel ASTM A276, 304   |
| 9  | Pin Plug        | Stainless Steel ASTM A276, 304   |
| 10 | Seat Ring       | Bronze ASTM A148                 |



### DIMENSIONS

| IN   | DN    | L     | H     |
|------|-------|-------|-------|
| 2"   | DN50  | 8"    | 5.6"  |
| 2.5" | DN65  | 8.5"  | 5.8"  |
| 3"   | DN80  | 9.5"  | 6.4"  |
| 4"   | DN100 | 11.5" | 6.8"  |
| 6"   | DN150 | 14"   | 9.2"  |
| 8"   | DN200 | 19.5" | 11.8" |
| 10"  | DN250 | 24.5" | 13.7" |
| 12"  | DN300 | 27.5" | 16.5" |



### WEIGHTS

| VALVE SIZE     | 2"     | 2.5"   | 3"     | 4"     | 6"      | 8"       | 10"      | 12"      |
|----------------|--------|--------|--------|--------|---------|----------|----------|----------|
| WEIGHT LB (KG) | 33(15) | 44(20) | 55(25) | 75(34) | 143(65) | 251(114) | 408(185) | 617(280) |

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# ***Authorization Letter.***

**Date:** October 28,2024

**Ref.:** 01027/24

**Subject: Distribution in Saudi Arabia**

To whom it may concern

This is to confirm that Azeidk Group is our authorized distributor in Saudi Arabia for American Fire Control's range of fire protection products.

Azeidk Group will be responsible for the distribution and support of our products throughout the Kingdom.

We trust that this information provides the reassurance you require. Should you need any further details or wish to discuss this matter further, please do not hesitate to contact us.

Yours sincerely,

**Mark Smith**  
Sales & Marketing Director

