

Title

Material Submittal for Fire
Hydrant & Post Indicator

Brand

AMERICAN AFC



AMERICAN
FIRE CONTROL

Index

- ***Technical Data Sheets (Catalogues).***
- ***UL Listed.***
- ***FM Approvals.***
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***Technical Data
Sheets (Catalogues).***



FIRE HYDEANT



FW-9000 Wet Barrel Fire Hydrant

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

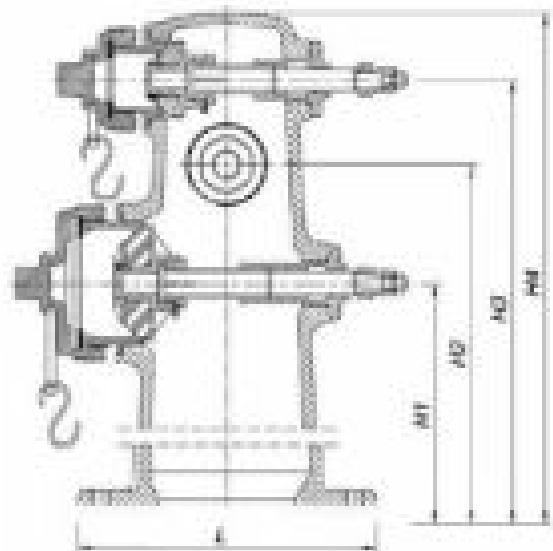


PART LIST

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"



All information contained herein is supplied by manufacturer and deemed to be accurate. Information is subject to change without notice. Manufacturer is responsible for proper installation and use and maintenance of product. American Fire Control USA, LLC reserves all manufacturer's warranty and liability for other warranty. All products sold by American Fire Control USA, LLC are subject to its AFC terms and conditions of sale, as is shown and available on request. Any warranty made extends to original purchaser and is not assignable or transferable.





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



LISTED



APPROVED

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

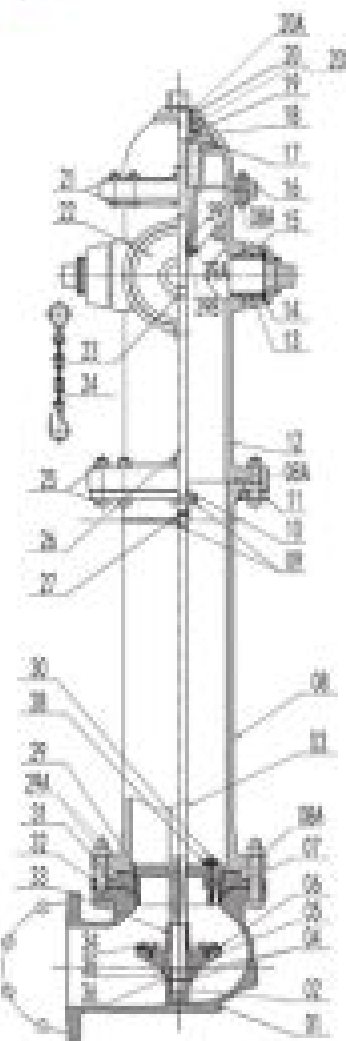
- Fire Pump Steamer 4 1/2" - 4nh
- 2 1/2" - 7.5NH Standard

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DRY BARREL FIRE HYDRANT


AMERICAN FIRE CONTROL
MANUFACTURING COMPANY
DUCTILE IRON BODY • SEAT AND DISC REPAIRABLE WITHOUT EXCAVATION • AWWA C550 EPOXY COATED
250 PSI (17.2 BAR) MAXIMUM OPERATING PRESSURE

F-7700
**ASSE 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 Bolt	Carbon Steel 3045 ASTM A29/29M
4	Lock Nut	Ductile EPDM ASTM D2001
5	Tree	Ductile Iron ASTM A536 Grade 65-45-12
6	Seat	EPDM ASTM D2001
7	Tree Hole Spring	Stainless Steel 304 ASTM A304
8	Lower Barrel	Ductile Iron ASTM A536 Grade 65-45-12
8A	O-Ring	NBR ASTM D2000
9	Refractory Cylinder Pin	Carbon Steel 3045 ASTM A29/29M
10	Connecting Bolt Sleeve	Carbon Steel 3045 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	C30400 ASTM B148
14	Outlet Gasket	EPDM ASTM D2001
15	Outlet Cap	Ductile Iron ASTM A536 Grade 65-45-12
16	Upper Barrel	Ductile Iron ASTM A536 Grade 65-45-12
17	Thread Plug	C30400 ASTM B148
18	Screw Stem Nut	C30400 ASTM B148
19	Screw Nut Gasket	C30400 ASTM B148
20	Screw Nut Seal	C30400 ASTM B148
20A	O-Ring	NBR ASTM D2000
20B	O-Ring	NBR ASTM D2000
21	Barrel Bolts and Nuts	Carbon Steel 3045 ASTM A29/29M
22	Pumper Control Cap	Ductile Iron ASTM A536 Grade 65-45-12
23	Cylindrical Pin	Carbon Steel 3045 ASTM A29/29M
24	Cover Chain	Carbon Steel C-10 ASTM A783-B
25	Body Bolts and Nuts	Carbon Steel 3045 ASTM A29/29M
26	Upper Stem	Carbon Steel 3045 ASTM A29/29M
27	Cushion	EPDM ASTM D2001
28	Tree Hole Cover	C30400 /EPDM
29	Seat	C30400 ASTM B148
29A	O-Ring	NBR ASTM D2000
30	Bolt and Nut	Stainless Steel 304 ASTM A304
31	Seat Retainer Plate	Ductile Iron ASTM A536 Grade 65-45-12
32	Lower Barrel Bolts and Nuts	3045 ASTM A29/29M
33	Annular Tube	Carbon Steel 3045 ASTM A29/29M
34	Flow Retainer	Ductile Iron ASTM A536 Grade 65-45-12
35	Lock Nut Seal	Ductile Iron ASTM A536 Grade 65-45-12
36	Check Turn Gasket	GR-B ASTM A263-B
37	Steamer Connector Tube	C30400 ASTM B148
38	Steamer Gasket	GR-B ASTM A263-B
39	Steam Stem Packing	Stainless Steel 304 ASTM A304
39A	O-Ring	NBR ASTM D2000
39B	O-Ring	NBR ASTM D2000
40	Bolt	Stainless Steel 304 ASTM A304

Seat Repair Kit: Includes all seals, O-rings and removal tool "T" Handle. (1) Item #4, (1) Item #9, (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 item wrench.

Traffic Repair Kit: Includes new connecting sleeve, clamp ring, pins and O-rings for above ground repair (2) Item 8A, (2) Item 8, (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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Any warranty made extends to original purchaser and is not assignable or transferable.


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

DRY BARREL FIRE HYDRANT



AMERICAN FIRE CONTROL

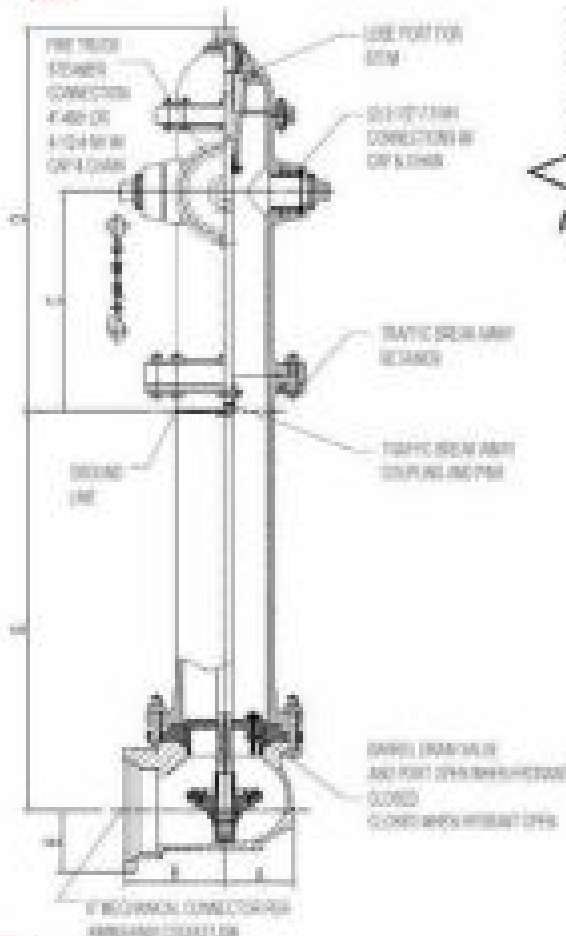
A QUALITY USA PRODUCT

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

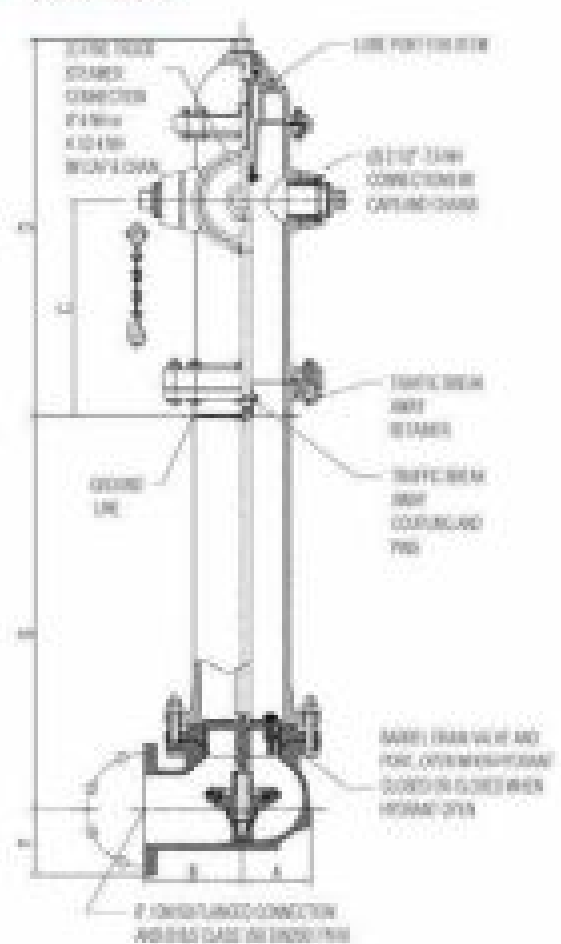
F-8700

AWWA MECHANICAL JOINT



F-7700

ASME CLASS 150 / ISO PN16 FLANGED



OPTIONS:

- Inlet flanged ASME B16.5 Class 150 or ISO2501 PN16, or / mechanical AWWA C153 / A21.53B
- 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

Port Number Flanged	Port Number Mechanical	A (mm / inch)	B (mm / inch)	C (mm / inch)	D (mm / inch)	E (mm / inch)	F (mm / inch)	G (mm / inch)	Weight lbs
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
								1675 / 66	230
								1835 / 72	243
								1938 / 76	248
								2130 / 84	253

All dimensions provided herein are subject to manufacturing and design changes without notice.

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FW-9000 Wet Barrel Fire Hydrant



AMERICAN FIRE CONTROL
QUALITY TO A PURPOSE

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

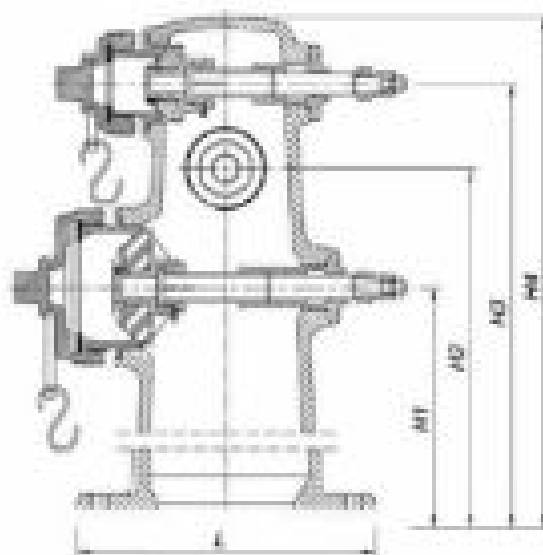
- Design and materials comply with AWWA C503
- Flanges conform to ASTM B16.5 class 150 (6")
- Fusion bonded epoxy coated inside and outside per AWWA C550
- 250 PSI working pressure factory tested 100% to 500 PSI
- Working temperature: 0°C to 80°C (32°F to 176°F)
- (1) 4.5" pumper nozzle and (2) 2.5" 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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Buyer is responsible for proper installation, use and maintenance of product. American Fire Control USA, LLC products and services are sold as-is and without warranty. All products sold by American Fire Control USA, LLC are subject to its full terms and conditions of sale, as published and available on request. Any warranty made contrary to original purchase and is not assigned or transferred.



AMERICAN FIRE CONTROL CO., LLC 295 S Orange Ave, Orlando, FL 32801, USA

+1 407 252 6814 info@american-afc.com www.american-afc.com

5100 Vertical Indicator Post



AMERICAN FIRE CONTROL
QUALITY IN A PRESENCE

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

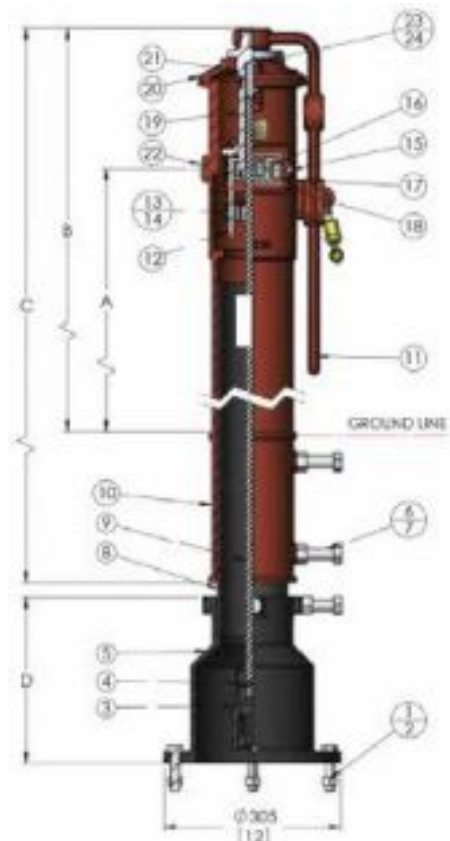
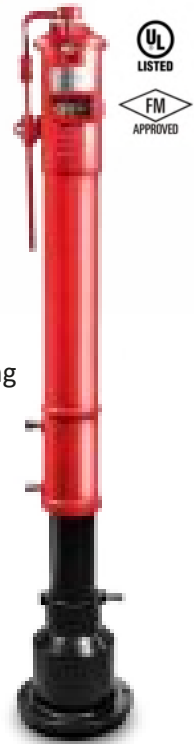
- Internally and externally spray epoxy painted ral3000

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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5100 Vertical Indicator Post

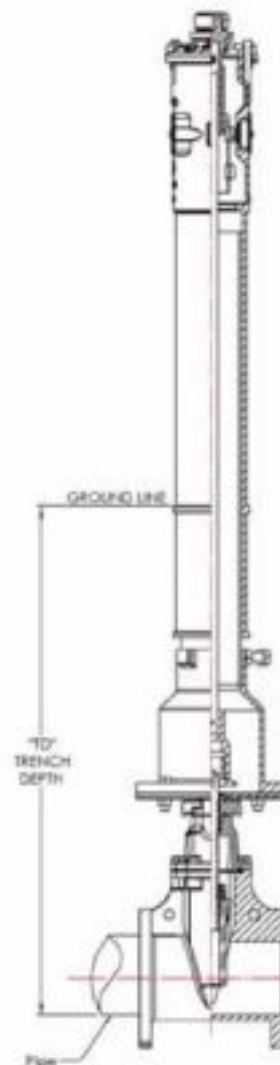
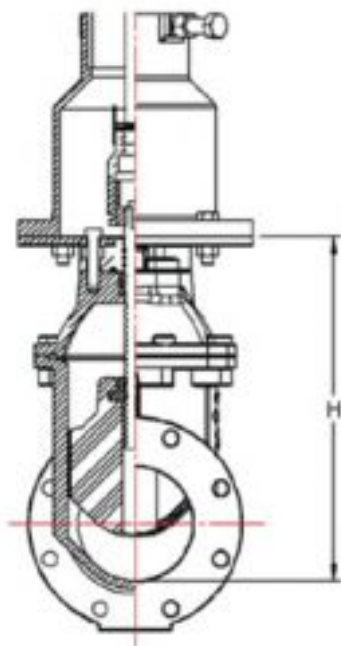
AMERICAN FIRE CONTROL
QUALITY IN A COMMITMENT

DIMENSIONS

Valve Size	Model No.	A	B	C	D
4" ~12"	5100	700 (27.5")	1000 (39.3")	1248 (49.1")	297 (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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AMERICAN
FIRE CONTROL
QUALITY IS A PRIORITY



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

Category	Hydrants, Wet Barrel
Class of Work	1511 - Fire Hydrant(Wt Brl Ty), Pvt
Certification Type	FM Approved
Listing Country	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

Category	Hydrants, Dry Barrel
Class of Work	1510 - Hydrants(Dry Brl Ty), Pvt FS
Certification Type	FM Approved
Listing Country	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

FM Approvals

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

Model 5100

Product Description

Model 5100 Vertical type

Details

Category	Indicator Posts
Class of Work	1110 - Indicator Posts
Approval Standard	FM 1110 - Indicator Posts
Certification Type	FM Approved
Listing Country	United States of America

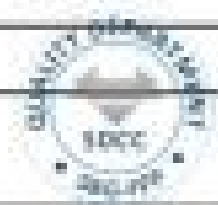
Company

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:	THIRD SAUDI EXPANSION OF THE HOLY MOSQUE & SURROUNDING AREAS	Contractor: 																												
CONTRACTOR : SAUDI BINLADIN GROUP (HARAMAIN DIVISION)		Date : 06/Nov/2024																												
☐ New Submittal ☒ Resubmittal	SUBMITTAL FOR TECHNICAL APPROVAL (STA)	Submittal Ref. No.: SHS-PRC-SBG-ME-MF-G-0203-01																												
DEPARTMENT																														
AR	CV	ST																												
☐	☐	☐																												
ME	EL	LC																												
☒	☐	☐																												
☐ Material Submittal ☐ Sample Submittal ☒ Pre-qualification ☐ Method Statement ☐ Other																														
To : DAR AL- HANDASAH																														
1. Subject: 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;">☐</td></tr> <tr><td>Catalogue</td><td style="text-align: center;">☐</td></tr> <tr><td>Product Warranty</td><td style="text-align: center;">☐</td></tr> <tr><td>Test Report</td><td style="text-align: center;">☐</td></tr> <tr><td>Tech. Data</td><td style="text-align: center;">☐</td></tr> <tr><td>Pre-Qualification</td><td style="text-align: center;">☒</td></tr> <tr><td>Compliance Statement</td><td style="text-align: center;">☐</td></tr> <tr><td>Drawings</td><td style="text-align: center;">☐</td></tr> <tr><td>Supplier Calculation</td><td style="text-align: center;">☐</td></tr> <tr><td>Reply of comments</td><td style="text-align: center;">☒</td></tr> <tr><td>Certificates</td><td style="text-align: center;">☐</td></tr> <tr><td>Method Statement</td><td style="text-align: center;">☐</td></tr> <tr><td>Others</td><td style="text-align: center;">☒</td></tr> </tbody> </table>		Attachments	No.	Sample Board	☐	Catalogue	☐	Product Warranty	☐	Test Report	☐	Tech. Data	☐	Pre-Qualification	☒	Compliance Statement	☐	Drawings	☐	Supplier Calculation	☐	Reply of comments	☒	Certificates	☐	Method Statement	☐	Others	☒
Attachments	No.																													
Sample Board	☐																													
Catalogue	☐																													
Product Warranty	☐																													
Test Report	☐																													
Tech. Data	☐																													
Pre-Qualification	☒																													
Compliance Statement	☐																													
Drawings	☐																													
Supplier Calculation	☐																													
Reply of comments	☒																													
Certificates	☐																													
Method Statement	☐																													
Others	☒																													
2. Submittal Description:  Prequalification Document for Modern Arab Enterprises Co. Ltd., KSA for Fire Protection Products Manufactured by American Fire Control (AFC). USA	<table style="width: 100%;"> <tr> <td style="width: 50%;">Area Of Application</td> <td style="width: 50%;">: Service Building (All Zones)</td> </tr> <tr> <td>Drawing Ref.</td> <td>: N/A</td> </tr> <tr> <td>Specification Ref.</td> <td>: N/A</td> </tr> <tr> <td>Attached MAT Approval Copy</td> <td>: N/A</td> </tr> </table>		Area Of Application	: Service Building (All Zones)	Drawing Ref.	: N/A	Specification Ref.	: N/A	Attached MAT Approval Copy	: N/A																				
Area Of Application	: Service Building (All Zones)																													
Drawing Ref.	: N/A																													
Specification Ref.	: N/A																													
Attached MAT Approval Copy	: N/A																													
Note: Original attached: ☐ Soft copy attached: ☒																														
3. MANUFACTURER / SUPPLIER: Manufacturer & Address : American Fire Control (AFC), USA Supplier & Address : Modern Arab Enterprises Co. Ltd., KSA																														
4. SBG Comments: ☒ Please proceed ☐ Refer to attached sheet																														
Submitted by	Sub-Contractor	Contractor																												
Name:	N/A	Engr. Haltham Qashou																												
Signature:	N/A																													
		SBG Q.C 																												
This section will be used by Approving Authority only.																														
5. ENGINEER'S REPRESENTATIVE'S COMMENTS: Refer to comments on the attached "A4" sheets (2 nos.) H. Ghonamy/M. Mohammadin/T. Abbas HG/MM/TA 05-12-2024		A). Approved ☐ B). Approved as Noted ☒ C). Revise & Resubmit ☐ D). Rejected ☐																												
Eng. Name: Mohamed Attal on behalf of Engr. A. Halim Title: _____ Signature: <i>Mohamed Attal</i> Date: 07/12/2024																														
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-TOC-2IF-MIR-ME-00047

To : Zuhair Fayed Partnership

Phase No. :

Date : 21-Mar-24

Inspection scheduled for - Time:

Date : 21-Mar-24

Location :

Building/Plot :

Level :

Zone :

Material to be inspected :

Spec./Drawg 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 SC/SEP

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)

Contractor :

Project Manager

Date :

21-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.

1	Approved
2	Approved with Comments ✓
3	Revised & Resubmit
4	For Information Only
5	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 :

Resubmitted 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

DRY BARREL FIRE HYDRANT



AMERICAN FIRE CONTROL
AFC

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

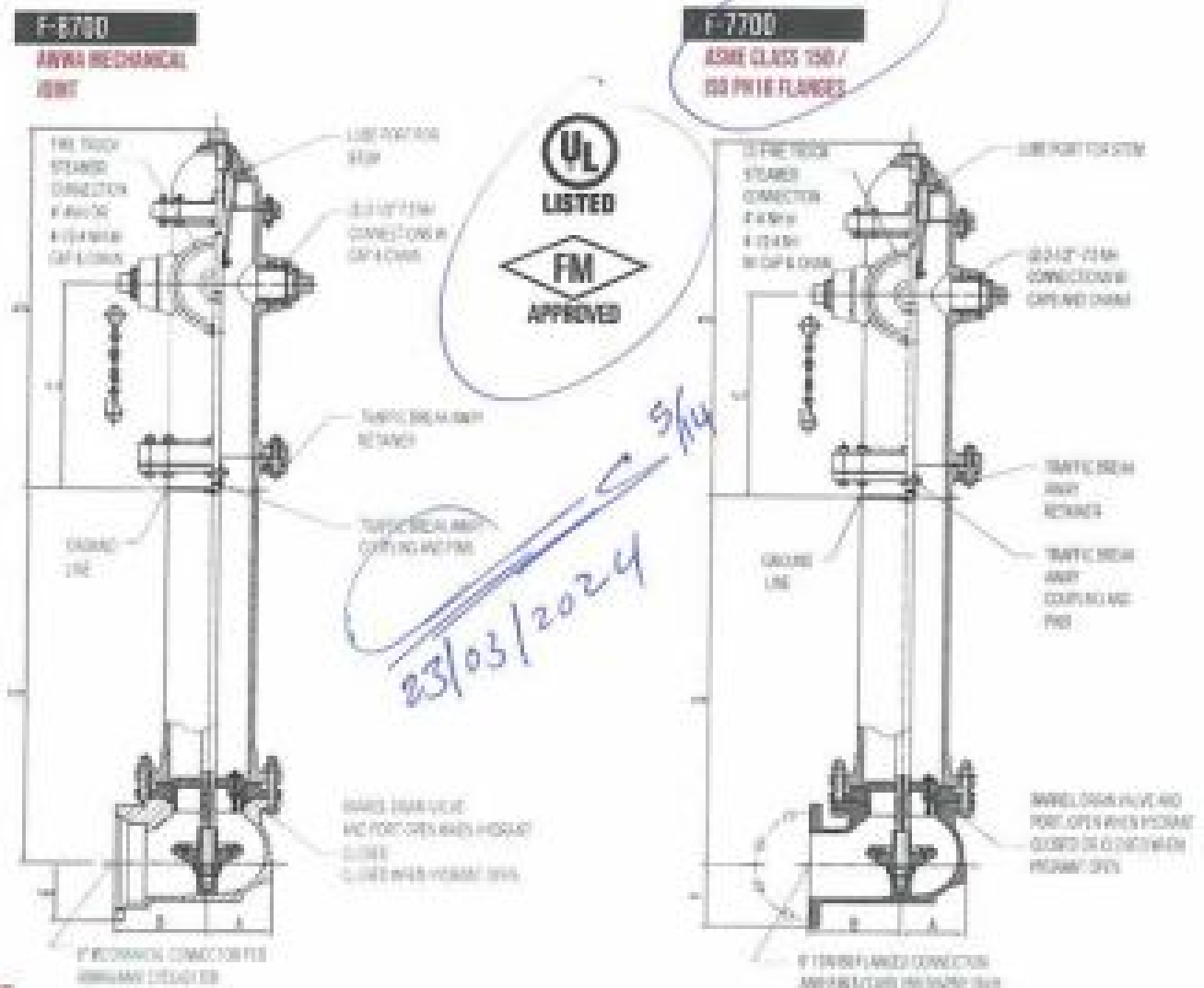
DRY BARREL FIRE HYDRANT



AMERICAN FIRE CONTROL
QUALITY TO PROTECT

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



OPTIONS:

- Inlet flanged ASME B16.5 Class 150 or ISO2501 PN16, or / mechanical ANWA 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 Flanged	Part Number Mechanical	A (inches)	B (inches)	C (inches)	D (inches)	E (inches)	F (inches)	G (inches)	Weight kg
F-7700	F-6700	346/ 5.75	288/ 8.18	465/ 18.11	805/ 31.7	190/ 5.12	146/ 5.51	303/ 43	185
								321/ 48	190
								368/ 54	196
								378/ 60	211
								423/ 66	238
								482/ 72	241
								508/ 78	246
								530/ 84	251



DATA SHEET

5100 Vertical Indicator Post



AMERICAN FIRE CONTROL
ESTABLISHED 1961

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

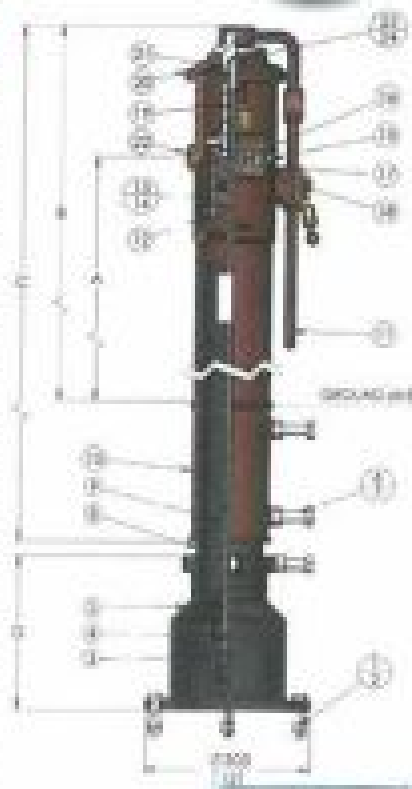
- Internally and externally spray epoxy painted ra3000

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	Flexiglass
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



DATA SHEET

5100 Vertical Indicator Post



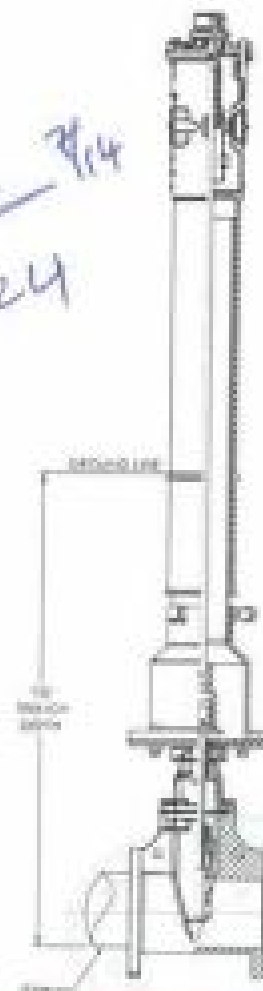
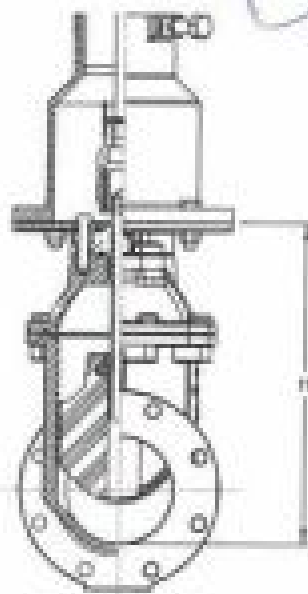
AMERICAN FIRE CONTROL
FIRE PROTECTION EQUIPMENT

DIMENSIONS

Valve Size	Model No.	A	B	C	D
4" - 12"	5100	700 (27.5")	1000 (39.3")	1248 (49.1")	297 (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"



Handwritten: 23/03/2024

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"



AMERICAN FIRE CONTROL CO., LLC 9355 S Orange Ave. Orlando, FL 32801, USA
 Tel: +1 407 252 6814 Email: info@american-afc.com Website: www.american-afc.com





CERTIFICATE

This is to certify that

American Fire Control

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

Handwritten signature and date: 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. 051223010169
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.lalcertsearch.org>



ARS Assessment Private Limited

Handwritten signature of Managing Director

Managing Director

UAF Address : 404, North Canal Rd, 4th Flr, North, NJ 07055, 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 or info@arscert.com

CERTIFICATE



This is to certify that

American Fire Control

355 S Orange Ave.
Orlando, FL 32801
United States of America

Handwritten signature and date:
23/03/2024

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://iaf.accreditation.org>
<https://www.iafcertsearch.org>



ARS Assessment Private Limited

Handwritten signature of Managing Director.

Managing Director

ARS Address : 408, North Green Dr., 5th Floor, Noida, India (201301), 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 verification regarding the scope of this certificate and the applicability of standard may be obtained by consulting the Registration on iafgroup.com.



CERTIFICATE

This is to certify that

American Fire Control

355 S Orange Ave.
Orlando, FL 32801
United States of America

19/4
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://iafaccreditation.org>
<https://www.iafcentsearch.org>



ARS Assessment Private Limited

ARS

Managing Director

ARS Address : 805, North Center Dr, 8th floor, North, TX 75002, 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 verification regarding the scope of the certificate and the applicability of standard may be obtained by consulting ARS Organization or info@arscert.com.

HBOR.EX28963 - Hydrants

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

Hydrants

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23/03/2024

EX28963

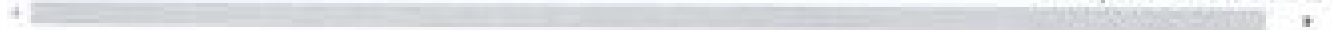
Base-valve design:

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 2025-02-10



The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

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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

Product Description

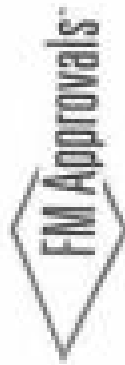
1 3/4
23103/2024

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



Member of the FM Global Group

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

Company

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


23/03/2024
13/4

		COMMENT RESOLUTION SHEET(CRS)			
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: ☒ CLOSED ☐ OPEN	1	
* All new comments are marked in RED		

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

S/NO.	DOCUMENT /DRAWING/ REPORT SECTION OR CLAUSE NO.	ENGINEER'S COMMENTS	CONTRACTOR'S RESPONSE	FINAL RESOLUTION
1.		Material Approval Request for Zone Control Valves-Rev.0A 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

TECHNICALLY ACCEPTABLE
30/ 07/ 23

APPROVAL OF THIS DOCUMENT DOES NOT RELIEVE
VENDOR OF HIS RESPONSIBILITY FOR DESIGN,
FABRICATION, AND PERFORMANCE OF THE EQUIPMENT

 	ARCHIRODON GROUP NV Integrated Management System  MATERIAL APPROVAL REQUEST FOR ZONE CONTROL VALVE	Jeddah South Container Terminal Upgrade Design & Build Main Works		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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30/07/23

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FABRICATION, AND PERFORMANCE OF THE EQUIPMENT
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	

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

INDEX

1. SCOPE OF WORK	Page 004
2. COMPLIANCE STATEMENTS	Page 006
3. TECHNICAL SPECIFICATIONS (REFERENCE LIST)	Page 019
4. TECHNICAL DATA SHEETS	Page 020

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FURNISHED.

 	ARCHIRODON GROUP NV Integrated Management System  MATERIAL APPROVAL REQUEST FOR ZONE CONTROL VALVE	Jeddah South Container Terminal Upgrade Design & Build Main Works		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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TECHNICALLY ACCEPTABLE
30/07/23

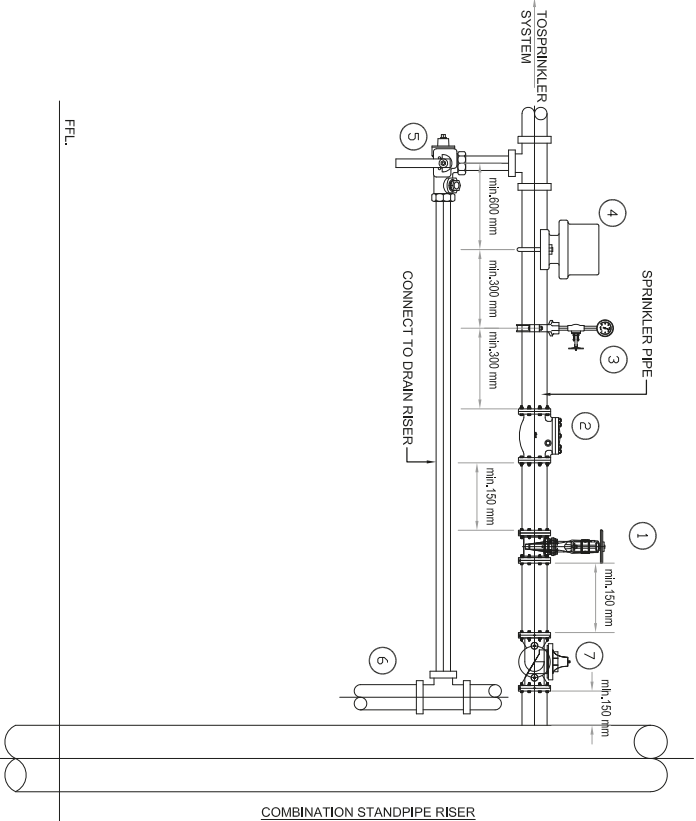
APPROVAL OF THIS DOCUMENT DOES NOT RELIEVE
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FABRICATION, AND PERFORMANCE OF THE EQUIPMENT
FURNISHED.

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	0.58Y 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

Jacobs
TECHNICALLY ACCEPTABLE
30/ 07/ 23

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FABRICATION, AND PERFORMANCE OF THE EQUIPMENT
FURNISHED.



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



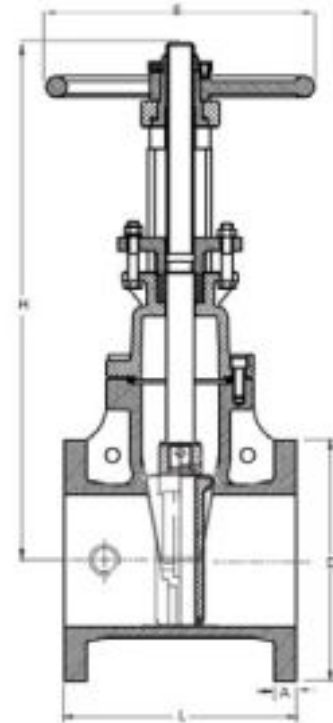
Jacobs

TECHNICALLY ACCEPTABLE
30/07/23

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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 intended for reference. Information is subject to change without notice. Manufacturer is responsible for proper installation, use and maintenance of product. American Fire Control LLC, LLC reserves all manufacturing property but reserves no other warranty. All products sold by American Fire Control LLC, 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

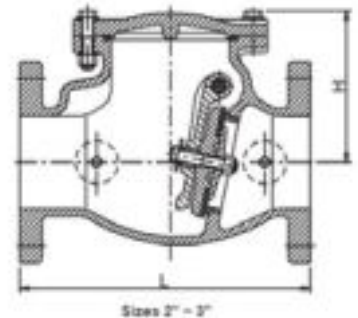
APPROVAL OF THIS DOCUMENT DOES NOT RELIEVE
VENDOR OF HIS RESPONSIBILITY FOR DESIGN,
FABRICATION, AND PERFORMANCE OF THE EQUIPMENT
FURNISHED.

COATINGS

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

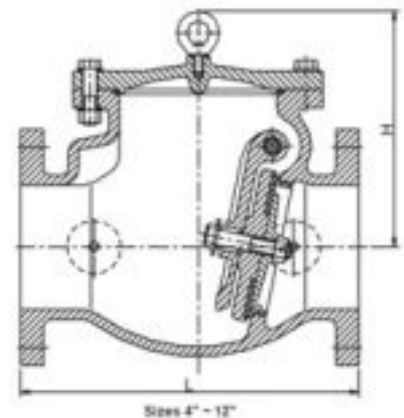
PART LIST

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. Manufacturer is responsible for proper installation, use and maintenance of product. American Fire Control LLC, LLC, assumes no manufacturer's warranty and neither for other warranty. All products sold by American Fire Control LLC, 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 (Consultant - Echo Architecture)	Approved as Noted		Approved as noted subject to : - all materials are UL/FM approved . - all material to comply with specification and project documents. - Alarm Check Valve type H with variable pressure trim with retard chamber and motor gong . - Butterfly valves for shops only . - follow detail of installation as per drawing and NFPA recommendation .
Ahmad Basheer (Contractor Main - Lynx Contracting Company)	For Record Only		

Revision	0	Submittal Manager	Ubada Dange (Contractor Main - Lynx Contracting Company)
Status	Closed	Date Created	Oct 1, 2023
Issue Date	Oct 1, 2023	Spec Section	COM - Material Submittal
Responsible Contractor	SC - Injaz Technical for Contracting Est.	Received From	
Received Date		Submit By	
Final Due Date	Oct 9, 2023	Lead Time	
		Cost Code	5112500-15500 - FIRE PROTECTION
Location	Mechanical	Type	Manufacturer Data & Specs
Approvers	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)		
Ball in Court			
Distribution	Syed Fizan (Contractor Main - Lynx Contracting Company)		
Description	Submitted Material List: 1) OS&Y Gate Valve - American Fire Control. 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 Attachments					12 - MAR - firefighting valves.pdf Jawhart Jeddah Mall FF Valve MTS Rv-0.pdf
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	
Comment	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 Yousef Anaqerh	Oct 10, 2023	Oct 9, 2023	Oct 11, 2023	Approved as Noted	
Comment	Approved as noted subject to : - all materials are UL/FM approved . - all material to comply with specification and project documents. - Alarm Check Valve type H with variable pressure trim with retard chamber and motor gong . - Butterfly valves for shops only . - follow detail of installation as per drawing and NFPA recommendation .				
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-028 Contractor: UNITED DIAMOND CONTRACTORS Co.

Contract NO.:

Reference No: UDC-P508-ME/FF-005-006 Revision No: 2 Date: 12-Feb-24

Subject: Fire Fighting Valves - American Fire Control - AFC

Specification & BOQ Reference:

DOCUMENTS	DRAWINGS	MATERIALS
☐ Sketch	☐ Design Drawing	☐ Materials Submittal
☐ Technical Submittal	☐ Shop Drawing	☐ Calculation
	☐ As Built Drawing	☐ Samples

Submittal Requirements (B/M/FC)					
Documents	☒ Yes	☐ No	Set Copy / CD	☒ Yes	☐ No
Drawings	☐ Yes	☐ No	Samples	☐ Yes	☐ No
Technical Data	☒ Yes	☐ No	Others		

Document / Item	Item Description	Remarks
☐ Architectural		
☐ Structural		
☒ Mechanical	CHRY Gate Valves - American Fire Control - AFC	
☐ Electrical		
☐ Contract Administrator		
☐ PCM & Planning		
☐ Quality Assurance		
☐ Safety		
☐ Surveying		
☐ Others		

Final Approval Code:

A - Approved	☐	C - Review and Resubmit	☐
B - Approved As Noted, Resubmittal Not Required	☒	D - Not Approved	☐

Consultant's Comments:

- Follow The Instruction of NFPA Code.

UDC Representative		Consultant or Client Representative	
Name:	Eng. Mohamed Ismail	Name:	Abdulaziz Al-Fayez
Signature:		Signature:	
Date:	12-Feb-24	Date:	19/2/2024
Stamp:		Stamp:	

اسم المشروع : إنشاء القرية الشعبية - اشبيليا		 الجهة المختصة		رقم المشروع	Q03/2023
المستشار		المطور		المقاول	
 RCH CENTRE		 شركة حدوة أشبيلية للأستشارات		 المارشد للمقاولات والبريخاست ALMARSHAD CONTRACTING & PRECAST	
REQUEST FOR MATERIALS APPROVAL				طلب اعتماد مواد	
نوع التقديم :	مكتبات :	رقم التقديم :	M-MAT-14	تاريخ التقديم :	2/11/2023
REV		0			
AMERICAN FIRE CONTROL				نوع المادة المقدمه :	
مواصفات المادة المقدمه للاعتماد (حسب العقد) :		جداول الكميات والمواصفات			
رقم البند :		15-1			
رقم الصلعة :					
رقم المواصفة :		15-100			
مكان الاستخدام :		قصر المشروع			
م	المادة	بلد المنشأ	المصنع أو الوكيل	هاتف	
1	TEST & DRAIN VALVE (HD FIRE)	امريكا	شركة الاصل	6991220	
2	BUTTERFLY VALVE (AMERICAN FIRE CONTROL)	امريكا			
3	FLOW SWITCH (POTTER)	امريكا			
4	PRESSURE GAUGE (AGF)	امريكا			
توقيع و ختم المقاول :		Contractor's Stamp & Sin			
المهندس المختص : م/ السيد هيكال		مدير المشروع : م/ هسان العسوي			
التوقيع :		التوقيع :			
التاريخ : 2/11/2023		التاريخ : 2/11/2023			
ملاحظات و توصيات الاستشاري :					
☐ التوصية بالموافقة A ☒ التوصية بالموافقة مع ملاحظات B ☐ التوصية بالرفض مع اعطاء التقييم					
لا مانع من اعتماد الاستشارات الخريفية لدراسة					
(1) محبس الاختيار (ZCVA) من نوع (HD Fire) (UL-FM)					
(2) محبس فراشة Flow Switch من نوع (Patter) - (UL-FM) لاختيار (ZCVA)					
(3) حاد ضغط من نوع AGF - (UL-FM) ويستحب لجميع قطع الاختيار (ZCVA) ان يكون من الخريف					
مقيم قديم خرافة اطنشا عن لتوريد من لموقع مع شهادات لاختيار					
المهندس المختص : م/سليم نصير		مدير المشروع : م/صلاح كمال			
التوقيع :		التوقيع :			
التاريخ : 2023 / 11 / 2		التاريخ : 2023 / 11 / 2			
ملاحظات عامة :		1 - بعد اتمام العمل بالمشروع يتم تسليمه الى العميل			



استخدامات منهجيات التدقيق العدلي في المصاحبة القضائية

© 2000 Blackwell Science Ltd

Year	Number of cases	Number of deaths
1990	100	10
1991	120	12
1992	150	15
1993	180	18
1994	200	20
1995	220	22
1996	250	25
1997	280	28
1998	300	30
1999	320	32
2000	350	35
2001	380	38
2002	400	40
2003	420	42
2004	450	45
2005	480	48
2006	500	50
2007	520	52
2008	550	55
2009	580	58
2010	600	60
2011	620	62
2012	650	65
2013	680	68
2014	700	70
2015	720	72
2016	750	75
2017	780	78
2018	800	80
2019	820	82
2020	850	85
2021	880	88
2022	900	90
2023	920	92
2024	950	95
2025	980	98
2026	1000	100
2027	1020	102
2028	1050	105
2029	1080	108
2030	1100	110

1. *What is the purpose of the study?*
 2. *What are the research objectives?*
 3. *What is the research design?*
 4. *What are the variables?*
 5. *What are the hypotheses?*
 6. *What are the results?*
 7. *What are the conclusions?*
 8. *What are the implications?*
 9. *What are the limitations?*
 10. *What are the future research directions?*

[illegible]

The first
 level of the
 hierarchy is the
 "lowest" level of
 the hierarchy.

Author	Year	Country	Sample Size	Study Design	Findings
Smith et al.	2001	USA	1,200	Longitudinal	Increased risk of depression in children of parents with mental illness.
Johnson et al.	2003	UK	800	Cross-sectional	Higher levels of anxiety in children of parents with anxiety disorders.
Lee et al.	2005	Canada	1,500	Longitudinal	Increased risk of substance use in children of parents with substance use disorders.
Wong et al.	2007	Australia	900	Cross-sectional	Higher levels of conduct problems in children of parents with conduct disorders.
Chen et al.	2009	China	1,100	Longitudinal	Increased risk of emotional and behavioral problems in children of parents with mental illness.
Miller et al.	2011	USA	1,300	Cross-sectional	Higher levels of internalizing problems in children of parents with anxiety disorders.
Ng et al.	2013	UK	1,000	Longitudinal	Increased risk of externalizing problems in children of parents with substance use disorders.
Patel et al.	2015	India	1,400	Cross-sectional	Higher levels of depression in children of parents with mental illness.
Kim et al.	2017	South Korea	1,200	Longitudinal	Increased risk of anxiety in children of parents with anxiety disorders.
Nguyen et al.	2019	Vietnam	1,100	Cross-sectional	Higher levels of conduct problems in children of parents with substance use disorders.
Almeida et al.	2021	Brazil	1,300	Longitudinal	Increased risk of emotional and behavioral problems in children of parents with mental illness.

مدرستہ اسلامیہ تعلیم + تعلیم و تربیت

۱۔ (بظاہر کیونکہ والد) ان کی سزا کا حکم جاری کیا تو والدین نے ان کی سزا کو مسترد کر دیا۔

۲۔ (میں نے) ان کی سزا کو مسترد کر دیا۔

2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030	2030-2031	2031-2032	2032-2033	2033-2034	2034-2035	2035-2036	2036-2037	2037-2038	2038-2039	2039-2040	2040-2041	2041-2042	2042-2043	2043-2044	2044-2045	2045-2046	2046-2047	2047-2048	2048-2049	2049-2050	2050-2051	2051-2052	2052-2053	2053-2054	2054-2055	2055-2056	2056-2057	2057-2058	2058-2059	2059-2060	2060-2061	2061-2062	2062-2063	2063-2064	2064-2065	2065-2066	2066-2067	2067-2068	2068-2069	2069-2070	2070-2071	2071-2072	2072-2073	2073-2074	2074-2075	2075-2076	2076-2077	2077-2078	2078-2079	2079-2080	2080-2081	2081-2082	2082-2083	2083-2084	2084-2085	2085-2086	2086-2087	2087-2088	2088-2089	2089-2090	2090-2091	2091-2092	2092-2093	2093-2094	2094-2095	2095-2096	2096-2097	2097-2098	2098-2099	2099-2100	2100-2101	2101-2102	2102-2103	2103-2104	2104-2105	2105-2106	2106-2107	2107-2108	2108-2109	2109-2110	2110-2111	2111-2112	2112-2113	2113-2114	2114-2115	2115-2116	2116-2117	2117-2118	2118-2119	2119-2120	2120-2121	2121-2122	2122-2123	2123-2124	2124-2125	2125-2126	2126-2127	2127-2128	2128-2129	2129-2130	2130-2131	2131-2132	2132-2133	2133-2134	2134-2135	2135-2136	2136-2137	2137-2138	2138-2139	2139-2140	2140-2141	2141-2142	2142-2143	2143-2144	2144-2145	2145-2146	2146-2147	2147-2148	2148-2149	2149-2150	2150-2151	2151-2152	2152-2153	2153-2154	2154-2155	2155-2156	2156-2157	2157-2158	2158-2159	2159-2160	2160-2161	2161-2162	2162-2163	2163-2164	2164-2165	2165-2166	2166-2167	2167-2168	2168-2169	2169-2170	2170-2171	2171-2172	2172-2173	2173-2174	2174-2175	2175-2176	2176-2177	2177-2178	2178-2179	2179-2180	2180-2181	2181-2182	2182-2183	2183-2184	2184-2185	2185-2186	2186-2187	2187-2188	2188-2189	2189-2190	2190-2191	2191-2192	2192-2193	2193-2194	2194-2195	2195-2196	2196-2197	2197-2198	2198-2199	2199-2200	2200-2201	2201-2202	2202-2203	2203-2204	2204-2205	2205-2206	2206-2207	2207-2208	2208-2209	2209-2210	2210-2211	2211-2212	2212-2213	2213-2214	2214-2215	2215-2216	2216-2217	2217-2218	2218-2219	2219-2220	2220-2221	2221-2222	2222-2223	2223-2224	2224-2225	2225-2226	2226-2227	2227-2228	2228-2229	2229-2230	2230-2231	2231-2232	2232-2233	2233-2234	2234-2235	2235-2236	2236-2237	2237-2238	2238-2239	2239-2240	2240-2241	2241-2242	2242-2243	2243-2244	2244-2245	2245-2246	2246-2247	2247-2248	2248-2249	2249-2250	2250-2251	2251-2252	2252-2253	2253-2254	2254-2255	2255-2256	2256-2257	2257-2258	2258-2259	2259-2260	2260-2261	2261-2262	2262-2263	2263-2264	2264-2265	2265-2266	2266-2267	2267-2268	2268-2269	2269-2270	2270-2271	2271-2272	2272-2273	2273-2274	2274-2275	2275-2276	2276-2277	2277-2278	2278-2279	2279-2280	2280-2281	2281-2282	2282-2283	2283-2284	2284-2285	2285-2286	2286-2287	2287-2288	2288-2289	2289-2290	2290-2291	2291-
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MAERSK

MAERSK
HEAD OFFICE/EDDAH
(RABO BUILDING)



UNITED STATES CONTRACTORS INC.
Head Office of UPE
Washington, D.C. 20004

Project Name: WPE 100 - 1000 OFF OFFSHORE (RABO BUILDING)

Project ID: WPE-100 Contract: UNITED STATES CONTRACTORS INC.

Contract NO.: _____

Business No.: WPE-100-100-100-100-100

Supplier: 10 - 1000 Contract Year

Specification & BOQ Reference: _____

DESCRIPTION

REMARKS

DATE

Item:

Technical Specification

Design Drawing
Shop Drawing
As Bid Drawing

Material Submittal
Specification
Sample

Quantity:

Unit:

Unit Price:

Unit Price:

Unit Price:

Remarks:

Unit:

Unit Price:

Unit Price:

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Remarks:

Unit:

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Remarks:

Unit:

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Unit Price:

Unit Price:

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 Gage	Ashcroft	1005P
5.2	Pressure Gage	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 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	☐	Structural/Civil	☐	MECH/Plumb	☒	Elec.	☐	Others (specify)	☐
---------------	--------------------------	------------------	--------------------------	------------	-------------------------------------	-------	--------------------------	------------------	--------------------------

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	☐
Specified Material:	FIREFIGHTING VALVES AND SPRINKLER SYSTEM	Product Datasheet	☒
Proposed Material:	FIREFIGHTING VALVES AND SPRINKLER SYSTEM	Compliance Certificates/Documents	☒
Manufacturer & Product code ref:	United Diamond Contractors Company.	Compliance Statement	☒
Remarks/Notes:	Pre-Qualification Approved - RAC-AEC-MK27-SAT-MEC-0027	Sample (available)	☒

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 ☐	Structural/Civil ☐	MECH/Plumb ☒	Elec. ☐	Others (specify) ☐
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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

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

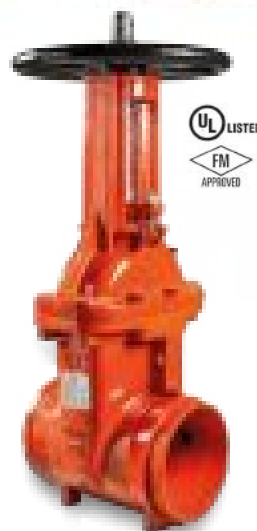
Date : 1 July 2024

INDEX

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



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.

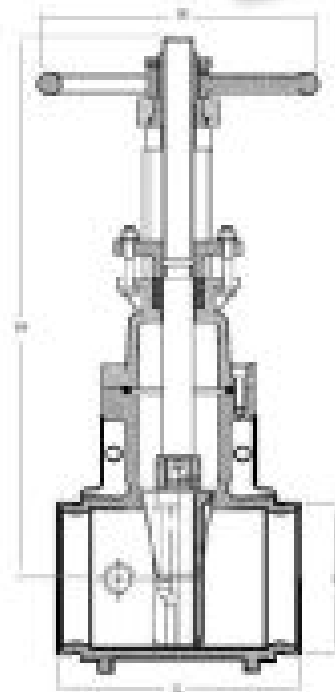


SPECIFICATIONS

- 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)

All information contained herein is supplied by American Fire Control and is intended to be accurate. Information is subject to change without notice. Fastener torques and proper installation, use and maintenance of product American Fire Control LLC, passed on manufacturer's warranty but extends to other warranty. All products sold by American Fire Control LLC are subject to its full terms and conditions of sale as outlined and available on request. Any warranty made extends to original purchaser and is not assignable or transferable.





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

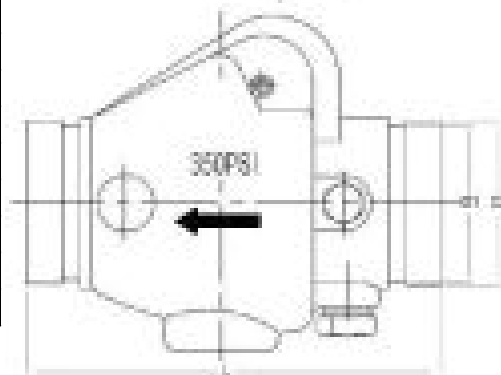
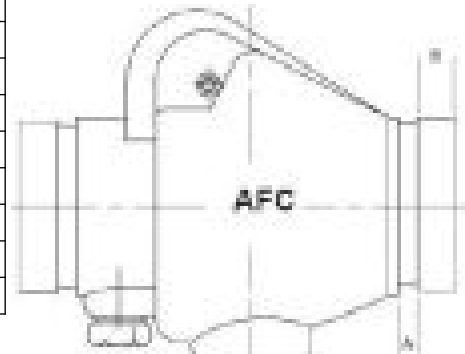
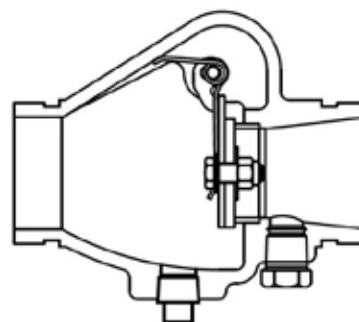
- Grooved dimensions comply with metric or AWWA C606 standard
- Max working pressure: 350PSI (24 bar) / Max testing pressure 700PSI (48 bar)
- Approvals: UL listed, FM approved
- Min/Max working temperature: 0°C to 80°C (32°F to 176°F)
- Application: indoor and outdoor use
- Installation: horizontal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

All information contained herein is supplied by the manufacturer(s) named herein for reference. Information is subject to change without notice. American Fire Control is not responsible for proper installation and maintenance of product. American Fire Control U.S.A., LLC, passes on manufacturer's warranty but extends no other warranty. All products sold by American Fire Control U.S.A., LLC are subject to its full terms and conditions of sale as published and available on request. Any warranty made extends to original purchaser and is not assignable or transferable.





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.

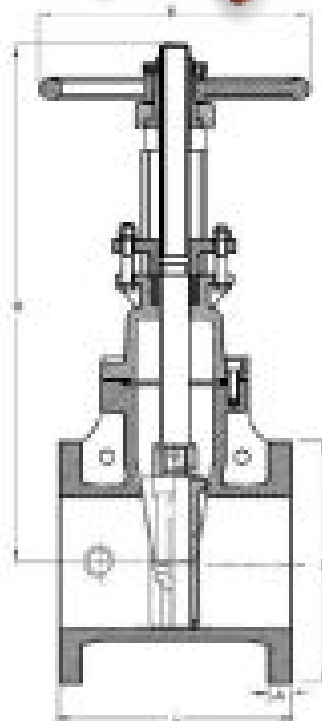
SPECIFICATIONS

- 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)

All information contained herein is supplied by American Fire Control and is intended to be accurate. Information is subject to change without notice. Purchaser is responsible for proper installation, use and maintenance of product. American Fire Control LLC, U.S. patent on manufacture's warranty but extends no other warranty. All products sold by American Fire Control LLC are subject to its full terms and conditions of sale as outlined 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)

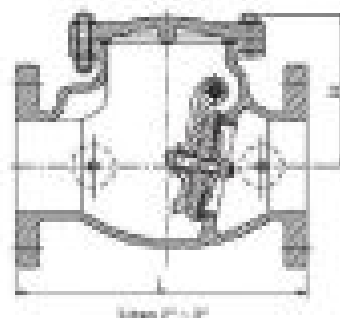


COATINGS

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

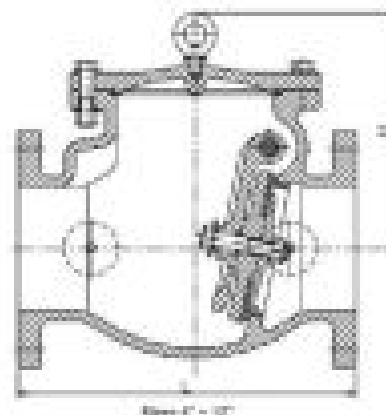
PART LIST

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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	Design Change Notice		DCN No. JCP-DCN-0106
	JAFURAH COGENERATION PLANT		GRADE: A

REQUESTER :

☐ CIVIL ☐ ARCHI. ☒ MECH. ☐ ELEC. ☐ I&C ☐ PIPING ☐ Others ()

REFERENCE DOCUMENT / DCN NO.(*)	REV	REMARKS / TITLE
JCP-YT01-00SGA-130003	1	HYDRANT, WATER MONITOR & VALVES MATERIAL SUBMITTAL
JCP-DCN-0106		Previous latest DCN No.

REASONS FOR CHANGE:

HYDRANT Valve from “American Fire Control” is added to this submittal as the approved brand from “Viking” are facing problems in supplying within the targeted schedule. The selected new brand “American Fire Control” is UL-listed / FM-approved as well and is suitable for this application.

EXISTING CONDITION:  Page 6 of 41	DESCRIPTION OF CHANGE  Page 6 of 41
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OWNER'S COMMENTS

Status-1 : Approved

Comment specified by Owner after review

1. Noted

PREPARED BY		25.09.24
CHECKED BY		25.09.24
APPROVED BY		25.09.24
OWNER'S REVIEW	NAME :	DATE :

DOCUMENT INCORPORATION (DOCUMENT(S) TO BE REVISED TO INCORPORATE DCN)

DOCUMENT NO.	REV NO.	REMARKS/TITLE
JCP-YT01-00SGA-130003	1INT1	HYDRANT, WATER MONITOR & VALVES MATERIAL SUBMITTAL

GRADE : A: Urgent major change B: Major change, not urgent C: Minor Change

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

