



COBRA

FLOW CONTROL INDUSTRIES

PRODUCT

CATALOG



FLOW CONTROL INDUSTRIES

We want to extend our heartfelt thanks to all our partners who helped make this dream a reality. At "COBRA" , we've poured passion and dedication into creating high-quality, affordable products just for you. Your input, suggestions, and feedback—combined with our market experience—have been the driving force behind our exceptional product line.

COMPANY MISSION

We provide our loyal customers with top-quality, safe, and reliable products while complying with all stringent fire safety regulations. "COBRA" will continuously invest in expanding our product and equipment lines to meet our customers' evolving needs.

COMPANY VISION

Our vision is to provide all customers with access to high-quality products, enabling them to be more competitive in their projects. We believe every contractor should have the opportunity to use reliable, top-quality products.

SOLUTIONS

Our line of products is supported by leading manufacturers, delivering exceptional quality and exceeding safety, performance, and regulatory standards. We are continually expanding our portfolio to support our customers' needs. Our experienced shipping department carefully selects, packs, and ships your order as requested, ensuring it arrives on time, undamaged, clearly labeled, and with the correct parts. With our inventory, strategic shipping locations, and dedication to service "COBRA" is the ideal choice for your projects.

GENERAL NOTES

Flow Control Industries reserves the right to change product design and/or specifications without prior notice or obligation. Please visit our website for the most up-to-date information.





1

FIRE HOSE CABINET

FIGURE C100

2

FIRE HOSE RACK ASSEMBLY

FIGURE C200

3 - 4

HOSE VALVES

FIGURE C300

5

ACCESSORIES

FIGURE C400

6

PLUGS & ADAPTORS

FIGURE C500

7

NOZZLES & TOOLS

FIGURE C600

8

OS&Y GATE VALVE

FIGURE C700

9

NRS GATE VALVE

FIGURE C800

10

SWING CHECK VALVE

FIGURE C900

11

BUTTERFLY VALVE WITH TAMPER SWITCH

FIGURE 1000

12

GROOVED SWING CHECK VALVE

FIGURE C1100

13

DELUGE VALVE

FIGURE C1200

14

INDICATOR POSTS

FIGURE C1300

15

FIRE HYDRANTS

FIGURE C1400

16

GROOVED FITTINGS

FIGURE C1500

17

GENERAL SERVICES

FIGURE C1600

FIRE HOSE CABINET

**FIGURE
C100**

STANDARD CONSTRUCTION & FEATURES

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



PRODUCT OPTION

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

ORDERING PROCEDURE

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

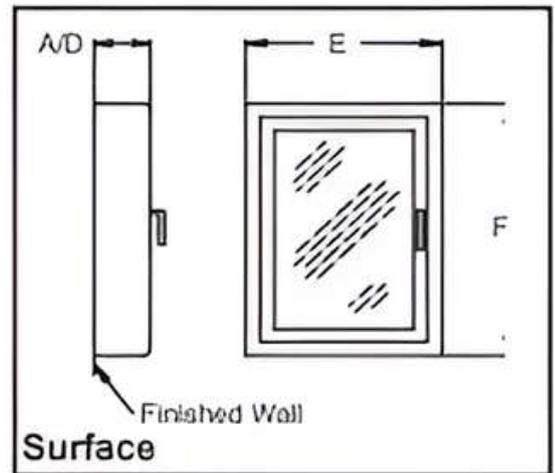


FIGURE	Mounting Style	Trim A	Inside Box Dimensions			Frame O.D		Knockout Location			Wall Opening		ADA
			B	C	D	E	F	G	H	J	K	W	
C150	Surface	9"	27" 1/4	33 1/4"	8 1/4"	27 1/2"	33 1/2"	No

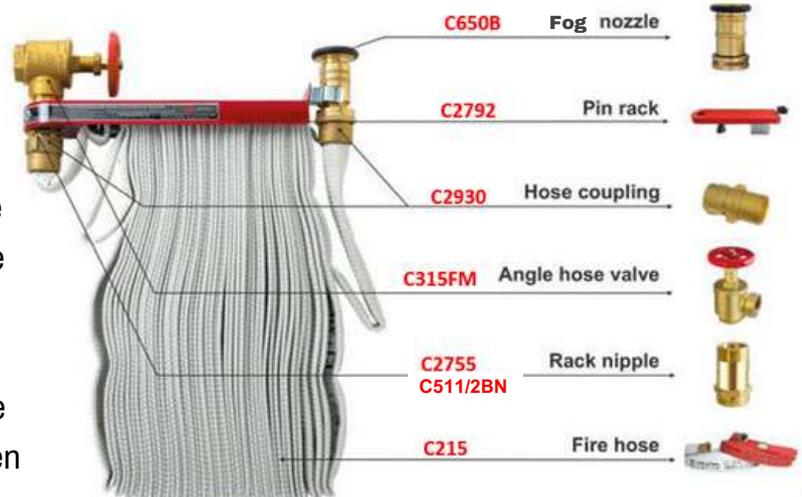
FIRE HOSE RACK ASSEMBLY

FIGURE C200

FUNCTIONS

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

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



ASSEMBLY COMPONENTS

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

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

C511/2BN Brass Male to Male Hose Rack nipple

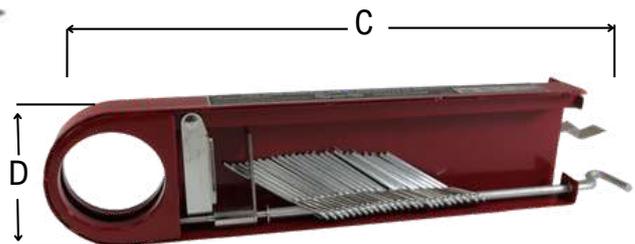
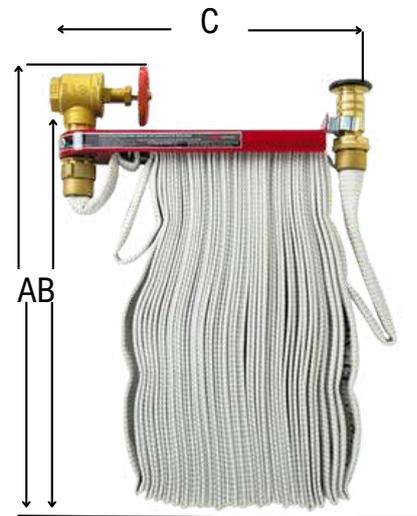
C650B UL/ULC Listed and FM Approved 1½" Brass combination fog nozzle with bumper.

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

C2930 1½" Brass Expansion Ring Couplings



C215 Fire Hose



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

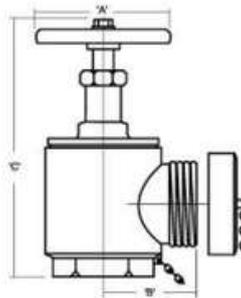
C315FM - STANDARD ANGLE HOSE VALVE



1.5" Female Inlet x 1.5" Male Hose Thread Outlet Standard Angle Hose Valve. The **C315FM** is UL Listed and FM Approved, has a rated operation pressure up to 300 PSI.



DIMENSIONS



A= 4" (100mm)
B= 2 1/4" (56mm)
C= 8" (OPEN) (200mm)
C= 7" (CLOSED) (175mm)

Angle-Hose Valve TECHNICAL SPECIFICATION	
Figure	C315FM
Material	Bronze
Size	1 1/2" FNPT X MNST
Pressure	300 PSI

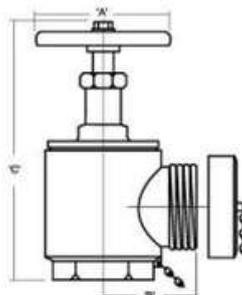
C325FM - STANDARD ANGLE HOSE VALVE



2.5" Female Inlet x 2.5" Male Hose Thread Outlet Standard Angle Hose Valve. The **C325FM** is UL Listed and FM Approved, has a rated operation pressure up to 300 PSI.



DIMENSIONS



A= 5" (125mm)
B= 3 3/16" (79mm)
C= 11" (OPEN) (275mm)
C= 9 1/4" (CLOSED) (231mm)

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

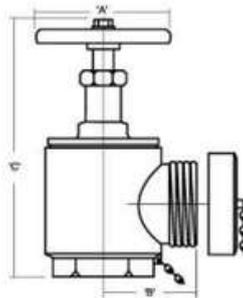
C315FF - STANDARD ANGLE HOSE VALVE



1.5" Female Inlet x 1.5" Female Hose Thread Outlet Standard Angle Hose Valve. The **C315FF** is UL Listed and FM Approved, has a rated operation pressure up to 300 PSI.



DIMENSIONS



A= 4" (100mm)
B= 2 1/4" (56mm)
C= 8" (OPEN) (200mm)
C= 7" (CLOSED) (175mm)

Angle-Hose Valve TECHNICAL SPECIFICATION	
Figure	C315FF
Material	Bronze
Size	1 1/2" FNPT X FNST
Pressure	300 PSI

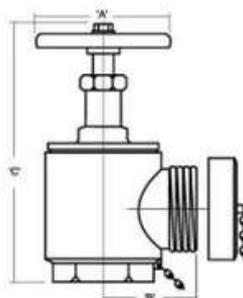
C325FF - STANDARD ANGLE HOSE VALVE



2.5" Female Inlet x 2.5" Female Hose Thread Outlet Standard Angle Hose Valve. The **C325FF** is UL Listed and FM Approved, has a rated operation pressure up to 300 PSI.



DIMENSIONS



A= 5" (125mm)
B= 3 3/16" (79mm)
C= 11" (OPEN) (275mm)
C= 9 1/4" (CLOSED) (231mm)

Angle-Hose Valve TECHNICAL SPECIFICATION	
Figure	C325FF
Material	Bronze
Size	2 1/2" FNPT X FNST
Pressure	300 PSI

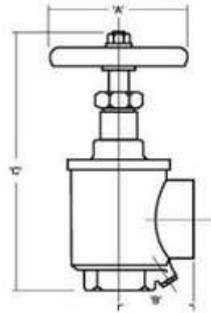
C315FFH - ANGLE VALVE WITH HYDROLATOR



1.5" Female Inlet x 1.5" Female Hose Thread Outlet Angle Hose and Hydrolator Valve. The **C315FFH** is UL Listed and FM Approved, has a rated operation pressure up to 300 PSI, . Automatically drains and vents, safeguarding against hose deterioration



DIMENSIONS



A= 4" (100mm)
B= 2 1/4" (56mm)
C= 8" (OPEN) (200mm)
C= 7" (CLOSED) (175mm)

Angle-Hose Valve with Hydrolator TECHNICAL SPECIFICATION	
Figure	C315FFH
Material	Bronze
Size	1 1/2" FNPT X FNST
Pressure	300 PSI

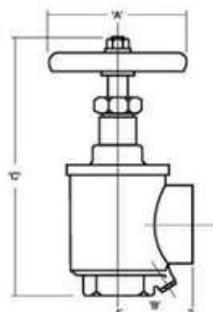
C315FMH - ANGLE VALVE WITH HYDROLATOR



1.5" Female Inlet x 1.5" Female Hose Thread Outlet Angle Hose and Hydrolator Valve. The **C315FMH** is UL Listed and FM Approved, has a rated operation pressure up to 300 PSI, . Automatically drains and vents, safeguarding against hose deterioration



DIMENSIONS



A= 4" (100mm)
B= 2 3/4" (56mm)
C= 8" (OPEN) (200mm)
C= 7" (CLOSED) (175mm)

Angle-Hose Valve with Hydrolator TECHNICAL SPECIFICATION	
Figure	C315FMH
Material	Bronze
Size	1 1/2" FNPT X MNST
Pressure	300 PSI

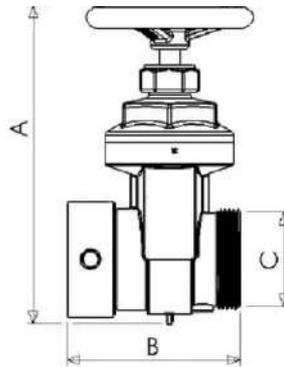
C325HFM - HYDRANT GATE VALVE



2.5" Female Swivel Hose Thread x 2.5" Male Hose thread Bronze Gate Valve with non-rising stem and swivel inlet. The **C325HFM** is UL/ULC Listed and FM Approved for use on hydrants, standpipes and fire pump test connections rated for up to 300 lbs.



DIMENSIONS



A= 9 11/16" (246mm)

B= 5 5/16" (135mm)

C= 2 1/16" (52mm)

Hydrant Gate Valve	
TECHNICAL SPECIFICATION	
Figure	C325HFM
Material	Bronze
Size	2½
Pressure	300 PSI

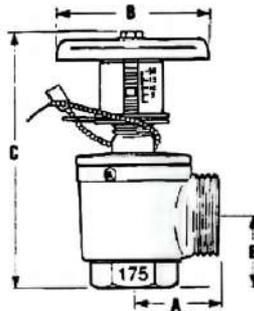
C315APFM - ADJUSTABLE PRESSURE RESTRICTING VALVE



1.5" Female N.P.T. inlet x male hose thread outlet. Bronze valve with red hand wheel with pressure restricting feature. The **C315APFM** is UL Listed and FM Approved, has a rated operation pressure up to 175PSI.



DIMENSIONS



A= 2 1/4" (56mm)
B= 3 1/2" (89mm)
C= 7 1/2" (OPEN) (191mm)
C= 6 1/2" (CLOSED) (165mm)

Adjustable pressure Valve TECHNICAL SPECIFICATION	
Figure	C315APFM
Material	Bronze
Size	1 1/2" FNPT X MNST
Pressure	175 PSI

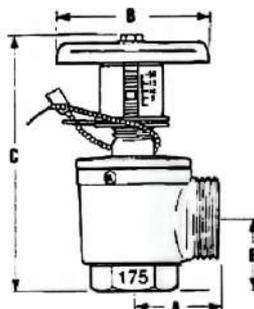
C325APFM - ADJUSTABLE PRESSURE RESTRICTING VALVE



2.5" Female N.P.T. inlet x male hose thread outlet. Bronze valve with red hand wheel with pressure restricting feature. The **C325APFM** is UL Listed and FM Approved, has a rated operation pressure up to 175PSI.



DIMENSIONS



A= 3 1/2" (89mm)
B= 5" (127mm)
C= 11 1/2" (OPEN) (292mm)
C= 9 1/2" (CLOSED) (241mm)

Adjustable pressure Valve TECHNICAL SPECIFICATION	
Figure	C325APFM
Material	Bronze
Size	2 1/2" FNPT X MNST
Pressure	175 PSI

C300T - TEST AND DRAIN



C300T Cobra Test and Drain valve for sprinkler systems combines the functions of test and drain for wet sprinkler systems. **C300T** is UL/ULC Listed and FM Approved, complies with the requirements of NFPA-13, NFPA-13R and NFPA-13D.



Test & Drain Valve	
TECHNICAL SPECIFICATION	
Figure	C300T
Material	Bronze
Size	1", 1 1/4", 2"
Pressure	300 PSI

Have forged Brass body with chrome plated brass ball valve and PTFE seats. The **C300T** valves are single handle ball valves with three working positions. They include tamper resistant test orifice and sight glass for the visual control. Rated 300 PSI

MATERIALS

- Forged Brass Body
- Chrome Plated Ball
- Steel Handle
- Valve seat in PTFE
- Indication disk in Brass
- Sight glass in Polycarbonate

DIMENSIONS

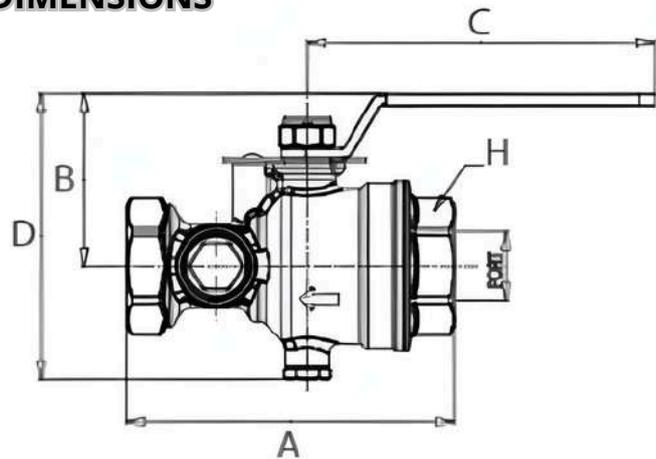


Figure	Size	C (plug)	Port	A	B	C	D	H
C301T	1"	1/4"	1-1/16"	5-1/32"	2-43/64"	5-11/32"	4-27/64"	1-57/64"
C3125T	1-1/4"	1/4"	1-1/16"	5-1/32"	2-43/64"	5-11/32"	4-27/64"	1-57/64"
C302T	2"	1/4"	1-12/16"	6-6/32"	4"	6-26/32"	6-21/64"	2-40/64"

Note: Subject to change without prior notice due to products optimization.

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your best **option**.

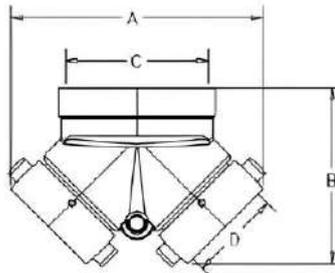
C340SSC - SIAMESE CONNECTIONS FDC INLINE WITH SINGLE CLAPPER



C340SSC is an inline, straight body, cast brass fire department connection (FDC) featuring a single 4.0" outlet and two 2.5" hose swivels with clapper. The **C340SSC** is UL/ULC Listed and FM Approved as an auxiliary connection to allow up to 500 GPM to supplement a system water supply for fire protection.



DIMENSIONS



A= 8-1/4" (209.55mm)

B= 5.63" (143mm)

C= 4" NPT

D= SUBJECT TO HOSE THREAD

Siamese connections with Clapper	
TECHNICAL SPECIFICATION	
Figure	C340SSC
Material	Bronze
Size	4" X 2½" X 2½"
GPM	500 GPM

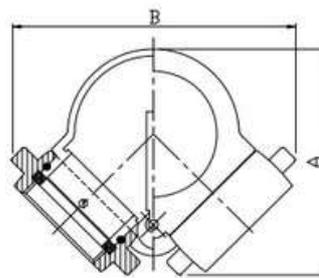
C340SCA - SIAMESE CONNECTIONS FDC INLINE WITH SINGLE CLAPPER



C340SCA is an angled (90-Degree), exposed body, cast brass fire department connection (FDC) featuring a single 4.0" outlet and two 2.5" hose swivels with clapper. The **C340SCA** is UL/ULC Listed and FM Approved as an auxiliary connection to allow up to 500 GPM to supplement a system water supply for fire protection.



DIMENSIONS



A= 8 1/4" (209.55mm)

B= 10 1/4" (260mm)

C= 4" NPT

Siamese connections with Clapper	
TECHNICAL SPECIFICATION	
Figure	C340SCA
Material	Bronze
Size	4" X 2½" X 2½"
GPM	500 GPM

C340SC - SIAMESE CONNECTIONS FDC EXPOSED WALL HYDRANT

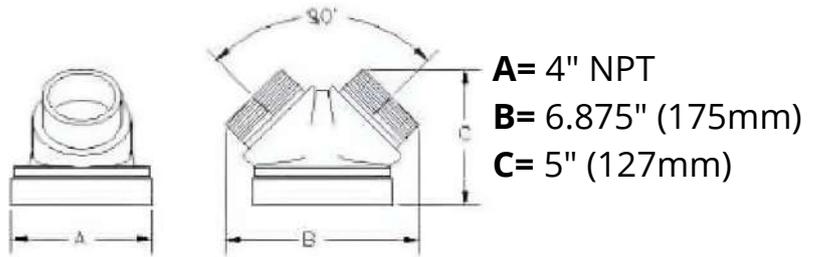


4" NPT x 2.5" Hose Thread x 2.5" Hose Thread. The **C340SC** is brass straight wall hydrant, UL/ULC Listed and FM Approved as an auxiliary connection to allow up to 500 GPM to supplement a system water supply for fire protection.



DIMENSIONS

Siamese connections	
TECHNICAL SPECIFICATION	
Figure	C340SC
Material	Bronze
Size	4" X 2½" X 2½"
GPM	500 GPM



HOSE RACK COVER

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



**FIGURE C410R
ROUND RACK COVER**

**FIGURE C410S
SQUARE RACK COVER**

FIRE HOSE REEL

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



**FIGURE C426
HOSE REEL**

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



Brass Plug & chain	
TECHNICAL SPECIFICATION	
Figure	C500PB
Material	Bronze
Size	1 1/2", 2 1/2"
Finish	Brass/Chrome



Brass Cap & Chain	
TECHNICAL SPECIFICATION	
Figure	C500B
Material	Brass
Size	1 1/2", 2 1/2"
Finish	Brass/Chrome



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



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



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



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



Rack Nipple Male NPT x Male NST	
TECHNICAL SPECIFICATION	
Figure	C511/2BN
Material	Bronze
Size	1 1/2"
Finish	Brass/Chrome



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



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



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

C650B - BRASS COMBINATION FOG NOZZLE

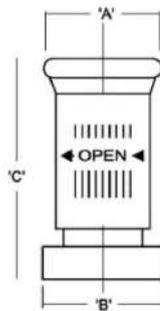


1.5" (38mm) Brass combination fog nozzle with bumper. The **C650B** is UL Listed and FM Approved and adjusts from straight stream to fog to shutoff. The **C650B** has a rated operation pressure up to 100 psi and is used in most industrial applications, including hose rack and reel assemblies. Specify regional hose thread.



Brass Nozzle	
TECHNICAL SPECIFICATION	
Figure	C650B
Material	Bronze
Size	1 1/2"
Finish	Polish Brass
PSI	100 PSI

DIMENSIONS



A= 2 9/20" (62mm)

B= 1 11/14"

C= 4 8/10" (122mm)

C650P - PLASTIC FOG COMBINATION NOZZLE

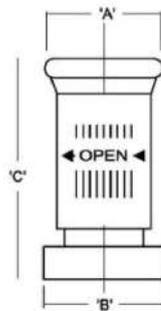


1.5" (38mm) Red Plastic combination fog nozzle with bumper. The **C650P** is UL Listed and FM Approved and adjusts from straight stream to fog to shutoff. The **C650P** has a rated operation pressure up to 100 psi and is used in most industrial applications, including hose rack and reel assemblies. Specify regional hose thread.



Lexan Nozzle	
TECHNICAL SPECIFICATION	
Figure	C650P
Material	Lexan
Size	1 1/2"
Finish	Red
PSI	100 PSI

DIMENSIONS



A= 2 6/16" (59mm)

B= 1 11/14"

C= 5" (127mm)

C600GSW - GRIP ALL SPANNER WRENCH



The **C600GSW** fits 3/4" to 6" split lug, rocker lug and pin lug couplings.

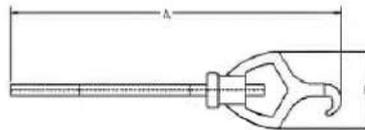
Grip All Spanner Wrench	
TECHNICAL SPECIFICATION	
Figure	C600GSW
Material	Aluminum

C600AHW - ADJUSTABLE HYDRANT WRENCH



The **C600AHW** is adjustable for Pentagon nuts up to 1 3/4". Built in spanner for rocker lug or pin lug couplings.

DIMENSIONS



A= 17.5" (444.5mm)
B= 3.2" (81.84mm)

Adjustable Hydrant Wrench	
TECHNICAL SPECIFICATION	
Figure	C600AHW
Material	Aluminum
Size	2 1/2" Heavy Duty

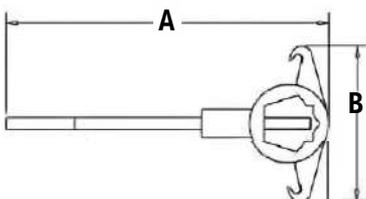
C600DHAW - DOUBLE HEAD ADJUSTABLE HYDRANT WRENCH



The **C600DHAW** fits 3/4" - 6" rocker lug or pin lug couplings, can also be used for long handle couplings.

For pentagon hydrant nuts up to 1-7/8" and square heads up to 1-1/2"

DIMENSIONS



A= 19.5"
B= 5.26"

Double Head Adjustable Hydrant Wrench	
TECHNICAL SPECIFICATION	
Figure	C600DHAW
Material	Aluminum
Size	19 1/2"

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

DESCRIPTION

1. Valve Standard

conforms to AWWA C515 / BS5163

Fusion-bonded coating comply with AWWA C550

2. Working Pressure

2½" - 12" - 365 PSI

14"-18" - 250 PSI

20", 24" - 200 PSI

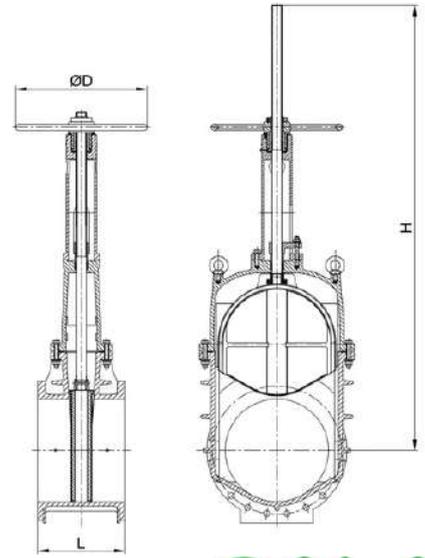
3. Working Temperature

-10°C to 120°C

4. Connection Ends

ANSI B16.1 CLASS 125/B16.

42 CLASS 150 EN1092-2PN16



GALA

MATERIALS LIST

Part Name	Material	Specification
Body	Ductile Iron	A536 65-42-16
Wedge	Ductile Iron Epdm coated	
Wedge nut	Stainless Steel	AISI 304
Stem	Stainless Steel	AISI 304/420
Bonnet	Ductile Iron	A536 65-42-16
Gasket	EPDM	Commercial
Packing	PTFE	Non-abestos
Stem nut	Bronze	ASTM B62
Handwheel	Ductile Iron	A536 65-42-16

INSTALLATION

Valves installed in horizontal piping systems should have the stems oriented vertically.

Valves installed in vertical piping systems should have the stems oriented horizontally.

DIMENSIONAL DATA

SIZE	mm inch	50 2	65 2½	80 3	100 4	125 5	150 6	200 8	250 10	300 12	350 14	400 16	450 18	500 20	600 24
L	mm inch	178 7	191 7.50	203 8	229 9	254 10	267 10.5	292 11.5	330 13	356 14	381 15	406 15.98	432 17.01	457 17.98	508 20
H	mm inch	411 16.18	411 16.18	462 18.19	514 20.18	629 24.76	709 27.91	922 36.30	1116 43.94	1300 51.18	1577 62.09	1800 70.87	2048 80.63	2297 90	2600 102.34
D	mm inch	183 7.20	183 7.20	253 9.96	253 9.96	306 12.05	306 12.05	355 13.98	455 17.52	455 17.52	508 20	558 21.97	610 24.02	610 24.02	762 30

Note: Subject to change without prior notice due to products optimization.

**RESILIENT SEATED NRS
TYPE-FLANGED ENDS**

DESCRIPTION

1. Valve Standard

conforms to AWWA C515 / BS5163
Fusion-bonded coating comply with
AWWA C550}

Non-Rising Stem, Resilient Seated
(EDPM encapsulated wedge)

Post Indicator Valves provided with
universal "Indicator Post Plate"
Available with HANDWHEEL OP

2. Working Pressure

2½" - 12" - 365 PSI

14"-18" - 250 PSI

20", 24" - 200 PSI

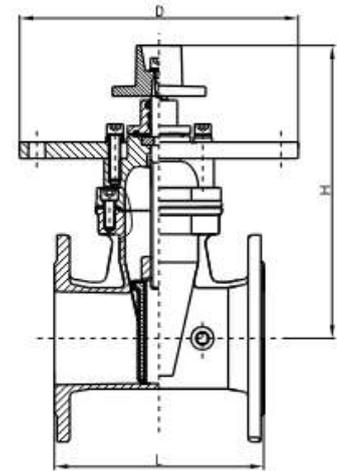
3. Working Temperature

-10°C to 120°C

4. Connection Ends

ANSI B16.1 CLASS 125/B16.

42 CLASS 150 EN1092-2PN16



GALA

MATERIALS LIST

Part Name	Material	Specification
Body	Ductile Iron	A536 65-42-16
Wedge Disc	Ductile Iron Epdm coated	
Disc nut	Bronze	ASTM B62
Stem	Stainless Steel	AISI 304/420
Bonnet	Ductile Iron	A536 65-42-16
Gasket	EPDM	Commercial
Thrust collar	Bronze	ASTM C151 100
Wrench nut	Ductile Iron	A536 65-42-16
Gland	Ductile Iron	A536 65-42-16
Handwheel	Ductile Iron	A536 65-42-16

DIMENSIONAL DATA

SIZE	mm inch	50 2	65 2½	80 3	100 4	125 5	150 6	200 8	250 10	300 12	350 14	400 16	450 18	500 20	600 24
L	mm	178	191	203	229	254	267	292	330	356	381	406	432	457	508
	inch	7	7.50	8	9	10	10.5	11.5	13	14	15	15.98	17.01	17.98	20
H	mm	279	279	305	324	394	428	537	640	723	862	938	1057	1142	1295
	inch	10.98	10.98	12.01	12.76	15.51	16.85	21.14	25.20	28.46	33.94	36.93	41.61	44.96	50.98
D	mm	305	305	305	305	305	305	305	305	305	305	305	305	305	305
	inch	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01

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RESILIENT SEATED FLANGED ENDS

DESCRIPTION

1. Valve Standard

conforms to AWWA C508, Clear Waterway
Fusion-bonded coating comply with AWWA C550

2. Working pressure

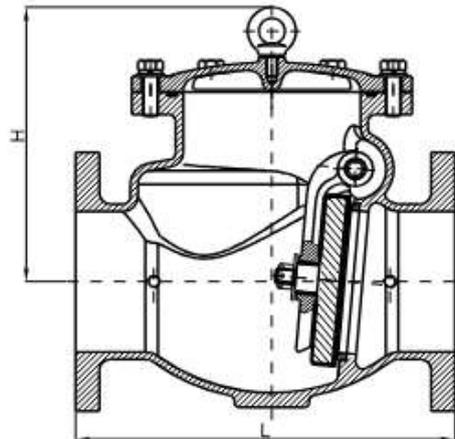
200PSI/250PSI/300PSI

3. Working Temperature

-10°C to 110°C

4. Flanged Ends

ANSI B16.1 CLASS 125 / B16.42 CLASS 150 / B16.1
CLASS250 EN 1092-2 PN 16/PN25



MATERIALS LIST

Part Name	Material	Specification
Body	Ductile Iron	A536 65-42-16
Cover	Ductile Iron	A536 65-42-16
Clapper	Carbon Steel	A36+SS304+EPDM
Clapper Arm	Ductile Iron	A536 65-42-16
Hinge Pin	Stainless Steel	AISI 304
Seat	Bronze	ASTM C84400

DIMENSIONAL DATA

SIZE	mm inch	50 2	65 2½	80 3	100 4	125 5	150 6	200 8	250 10	300 12
L	mm inch	203 8	254 10	279 11	330 13	356 14	406 16	495 19.5	559 22	660 26
H	mm inch	254 10	279 11	132.5 5.22	222.5 8.76	290 11.42	297 11.69	365 14.37	417.5 16.44	453 17.83

Note: Subject to change without prior notice due to products optimization.

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GROOVED BUTTERFLY VALVE

DESCRIPTION

1. Valve Standard

Fusion-bonded coating comply with FM 1112, UL 1091

2. Face-to-face Standard

MSS-SP67 Long

3. Test Standard

FM 1112. UL 1091



4. Working pressure

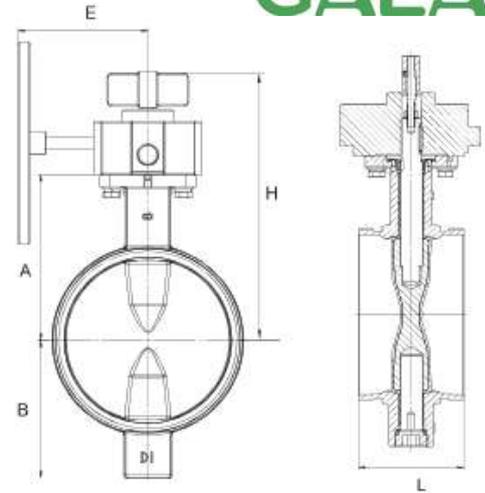
200PSI/250PSI/300PSI

5. Working temperature

-10°C to 120°C

6. Double Tamper Switch

- Factory installed UL Listed double Tamper
- Switches For Indoor and Outdoor Use.



MATERIALS LIST

Component	Material	Specification
Body	Ductile Iron	A536 65-42-16
Disc	Ductile Iron EPDM Coated	A536 + EPDM
Upper & Low Stems	Stainless Steel	AISI 410
O-Ring	EPDM	
Bushing	Bronze	ASTM B150M C63000
Gland	Galvanized Carbon Steel	
Washer	Galvanized Carbon Steel	
Plug	Galvanized Carbon Steel	
Gear Box Housing	Ductile Iron	ASTM A536
Gear Box Fasteners	Galvanized Carbon Steel	

DIMENSIONAL DATA

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

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GALA

RESILIENT SEATED GROOVED ENDS

DESCRIPTION

1. Valve Standard

Fusion bonded coating comply with AWWA C550

2. Features

Can be installed horizontally or vertically (with upward flow)
Convenient to install and maintain low pressure drop

3. Working pressure

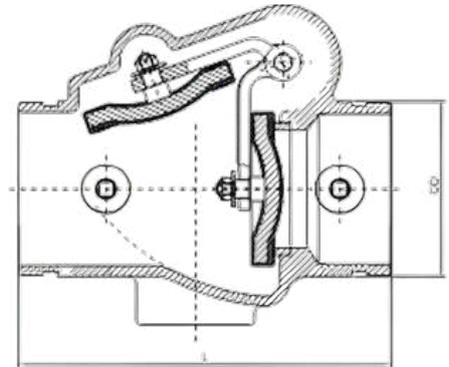
200 PSI / 250 PSI / 300 PSI / 365 PSI

4. Working Temperature

0°C to 80° C

5. Connection Ends

AWWA C 606, VDS2100



MATERIALS LIST

Part Name	Material	Specification
Body	Ductile Iron	A536 65-42-16
Seat	Bronze	ASTM B62 CB3600
Clapper	Stainless Steel	AISI 304
Clapper Arm	Stainless Steel	AISI 304
Hexagonal Slot Thin Nut	Stainless Steel	AISI 304
Split Pin	Stainless Steel	AISI 304

DIMENSIONAL DATA

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2½	3	4	5	6	8	10	12
L	mm	169	203	213	245	267	292	356	432	495
	inch	6.65	8	8.39	9.65	10.51	11.5	14.02	17	19.5
OD	mm	60.3	73	88.9	114.3	139	165.1	219.1	273	323.8
	inch	2.37	2.88	3.5	4.5	5.5	6.5	8.63	10.75	12.75

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REMOTE RESET DELUGE VALVE

DESCRIPTION

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

Actuator

- Hydraulic
- Pneumatic Remote
- Electro-Pneumatic Remote

Trim Orientation

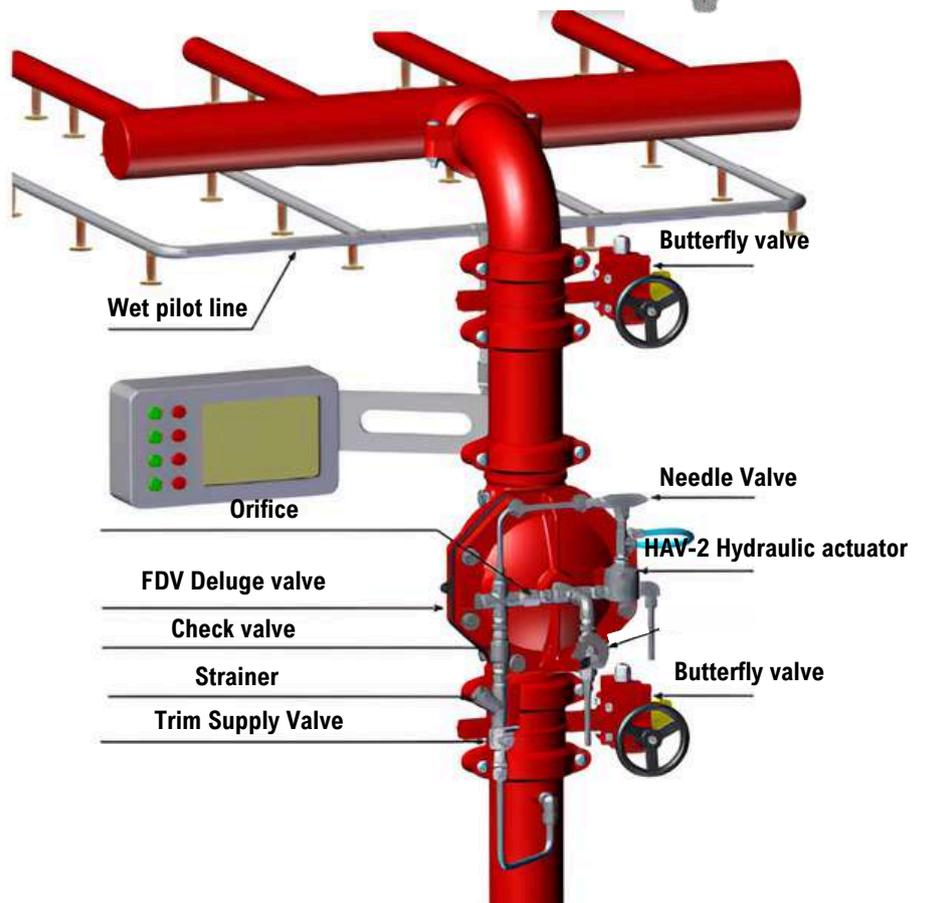
- Horizontal
- Vertical

Material

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



Typical installation

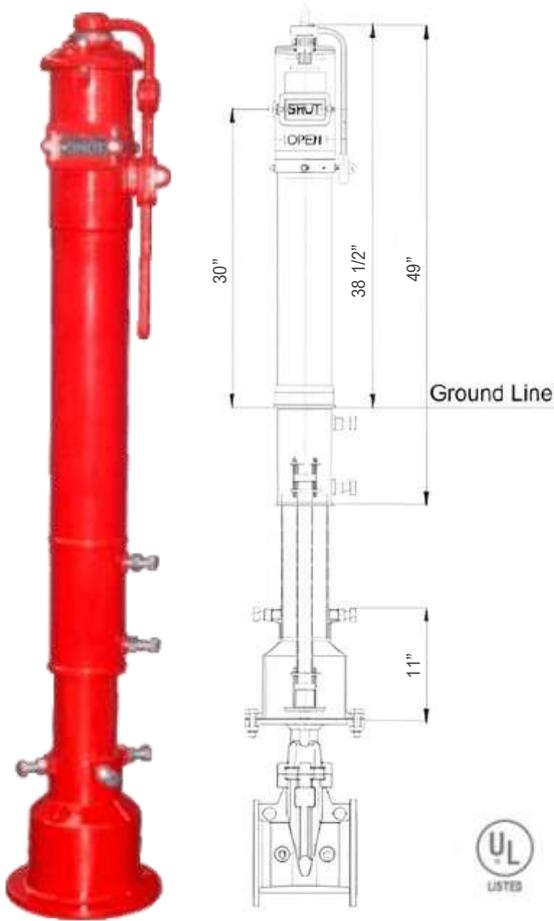


UNDERGROUND TYPE

DESCRIPTION

Valve Standard

Fusion bonded coating comply with AWWA C550



DIMENSIONAL DATA

SIZE	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
Min. Bury Depth	24.528"	24.528"	25.32"	26.26"	28.66"	30"	33.35"	37.09"	40.47"
Max. Bury Depth	58.78"	58.78"	59.57"	60.51"	62.91"	64.25"	67.60"	71.34"	74.72"
H	7.72"	7.72"	8.82"	9.92"	13.50"	13.50"	17.09"	21.02"	24.14"

Note: Subject to change without prior notice due to products optimization.

Field Adjustment

1. Remove the top section from the top of the Indicator Post assembly.
2. Set the "OPEN" and "SHUT" targets for the appropriate valves size.
3. Reattach the Top Section to the top of the Indicator Post assembly
4. Design and materials are subject to change without notice.

MATERIALS LIST

Part Name	Material
Hex Nut and Hex Bolt	STEEL/SS304
Plug	ASTM SS304
Screw	STEEL/SS304
Pedestal	ASTM A536 65-45-12
Body	Ductile Iron
Cotter	WCB/SS304
Square Tube	AISI 1045
Square Tube	AISI 1045
Hoisting Ring	AISI 1045
Lower Barrel- First and Second	ASTM A536 65-45-12
Support Barrel	ASTM A53
Shut And Open Indicator	ASTM 2024
Plat Washer	STEEL/SS304
Seal Ring	EPDM
Window	LEXAN-UN SATBLIZED
Window Cover	ASTM A307B
Pin	STEEL/SS304
Operating Screw	ASTM SS304
Dust Cap	EPDM
Retainer Ring	65Mn
Wrench	ASTM A536 65-45-12
Operating Nut	ASTM A536 65-45-12

WALL TYPE

DESCRIPTION

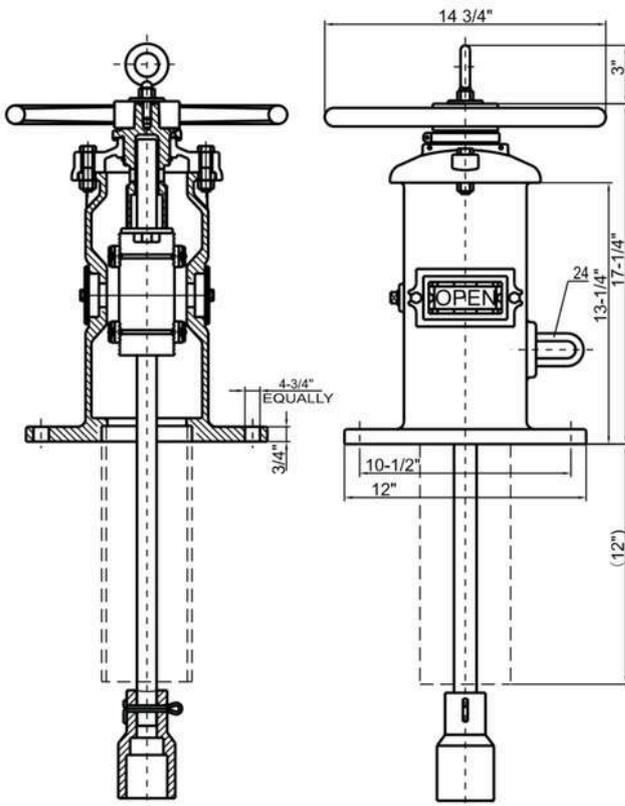
Valve Standard

Fusion bonded coating comply with AWWA C550

Field Adjustment

1. Remove the top section from the top of the Indicator Post assembly.
2. Set the "OPEN" and "SHUT" targets for the appropriate valves size.
3. Reattach the Top Section to the top of the Indicator Post assembly
4. Design and materials are subject to change without notice.

DIMENSIONS



MATERIALS LIST

Part Name	Material
Hex Nut	STEEL/SS304
Lifting Eyebolt	STEEL/SS304
Washer	STEEL/SS304
Handwheel	ASTM SS304
Body	STEEL/SS304
Operating Nut	ASTM A536 65-45-12
Hex Cap Screw	AISI 1045
Snap Ring	WCB/SS304
Target Carrier Nut	AISI 1045
Target	AISI 1045
Window Glass Gasket	ASTM A53
Window Glass	ASTM A536 65-45-12
Stand Pipe	ASTM A536 65-45-12
Stem	ASTM 2024
Cotter Pin	ASTM 2024
Crane Coupling	EPDM
Plug	STEEL/SS304
Cover	STEEL/SS304
Cross Recessed Countersunk Head Screw	LEXAN-UN SATBLIZED
Locking Nose	ASTM A536 65-45-12

Note: Subject to change without prior notice due to products optimization.

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DRY BARREL FIRE HYDRANT - 3 WAY

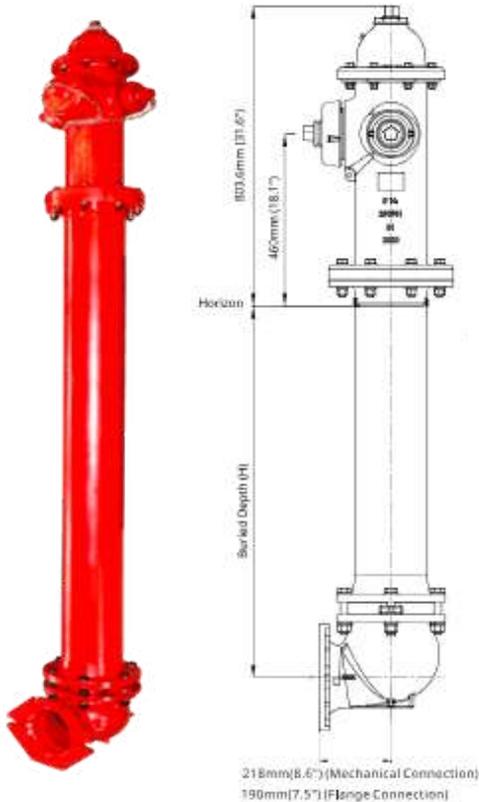
GALA

DESCRIPTION

Design Standard	FM 1510/ UL 246/ AWWA C502
Coating Standard	AWWA C550
Nozzle Thread Standard	NFPA 1963
Hose Nozzle	2-1/2 (TWO)
Pumper Nozzle	4" or 4-1/2" (ONE)
Mechanical Joint	6" ANSI/ AWWA C111/A21.11 ANSI/ AWWA C153/A21.53
Flanged End	6" ANSI/ CLASS 125/150 BS EN1092-2 PN10/16
Working Pressure	250 PSI

MATERIALS LIST

Part Name	Material
Operation Nut	C84400
Dust Ring	EPDM
Lock Nut	CF8
Antifriction Mat	C63000/PTFE
Plug	SS304
Cover and Drain Valve Cover	Ductile Iron
Upper and Lower Hydrant Body	Ductile Iron
Top and Under Shaft	SS420
Gland	SS304
Fire Engine Nozzle Cap	Ductile Iron
Fire Engine Nozzle	C84400
Steel Wire Rope	SS304/PLASTIC COATED
O-Ring	EPDM
Coupling	SS420
Safety Flange	Ductile Iron
MJ Elbow Body	Ductile Iron
Hexagon Head Bolts, Flat/Spring Washer and Hexagonal Nut	SS304
Drain Valve Cover Seal	EPDM
Pin and Cotter Pin	SS304
Upper Fire Hydrant Body Seal	EPDM
Hexagon Socket Head/Set Screws	SS304
Hose Nozzle Cap	Ductile Iron
Hose Nozzle Gasket	EPDM
Hose Nozzle	C84400
Drain Valve Cap	C84400+EPDM
Spring	SS304
Seat	C84400
Table	Ductile Iron
Disc Sealing Ring	EPDM
Disc	Ductile Iron
Nut Press Ring	Ductile Iron



BURIED DEPTH (H)

Inch	1'	2'	3'	3'-6"	4'	4'-6"	5'	5'-6"	6'	6'-6"	7'
mm	326	543	848	1001	1153	1306	1458	1611	1763	1916	2068

- Specify Bury Depth
- Specify (M) for Mechanical Joint or (F) for Flange

Note: Subject to change without prior notice due to products optimization.

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WET BARREL FIRE HYDRANT - 3 WAY

GALA

DESCRIPTION

Design Standard	FM 1510/ UL 246/ AWWA C502
Coating Standard	AWWA C550
Nozzle Thread Standard	NFPA 1963
Hose Nozzle	2-1/2 (TWO)
Pumper Nozzle	4" or 4-1/2" (ONE)
Monitor Flanged	4" ANSI CLASS 125
Inlet Flange Connection	6" ANSI/ CLASS 125/150 BS EN1092-2 PN10/16
Working Pressure	250 PSI

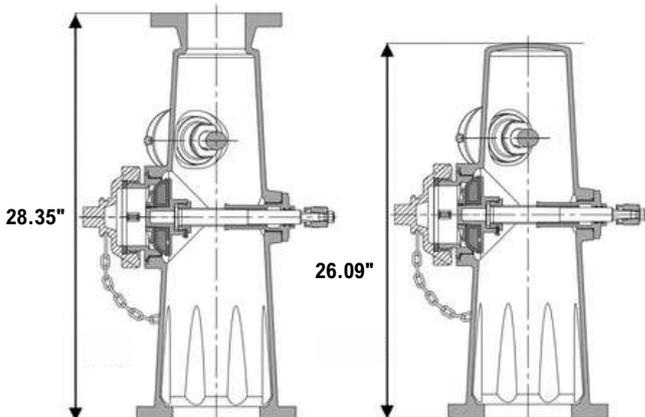
MATERIALS LIST

Part Name	Material
Hydrant Body	Ductile Iron
O-Ring	EPDM
Steel Wire Rope	SS304/PLASTIC COATED
Fire Engine Nozzle Cap	Ductile Iron
Fire Engine Nozzle	C84400
4.5" Gland	CF8
2.5" Gland	CF8
Inner Six Angle Flat End Set Screw	A2
Shaft	SS304
4.5" Shaft Nut	C84400
4.5" Disc Sealing Ring	EPDM
4.5" Disc	CF8
Fixed Nut	CF8
Inner Six Angle Cylindrical Head Screw	A2-70
Operating Nut	CF8
Hexagonal Nut	A2-70
Hose Nozzle Cap	Ductile Iron
Hose Nozzle	C84400
Hose Nozzle Gasket	EPDM
Uper Fire Hydrant Body Seal	EPDM
Hexagon Socket Head/Set Screws	SS304
Hose Nozzle Cap	Ductile Iron
Hose Nozzle Gasket	EPDM
Hose Nozzle	C84400
2.5" Disc Sealing Ring	EPDM
2.5" Disc	CF8
Shaft Stem Nut	C84400
Inner Six Angle Set Screw	Carbon Steel + Zinc



Available: With Outlet for Monitor of 4" Flanged ANSI CLASS 125

DIMENSIONS



Note: Subject to change without prior notice due to products optimization.

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Flexible Grooved Coupling

Sizes 2" - 10"



90° Grooved Elbow

Sizes 2" - 10"



Grooved Tee

Sizes 2" - 10"



Mechanical Tee Grooved Outlet

Sizes
1/2" x 1" - 4x2



U - Bolt Mechanical Tee

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



Flange Adapter ANSI Class 150

Sizes 2 1/2" - 8"



Grooved Flange ANSI Class 150

Sizes 2" - 10"



Ductile Iron Treated Fittings



Malleable Iron Treated Fittings



General Service Valves



Flanged Fittings



Fireloop

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



Portable and wheeled Fire Extinguishers

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



Pipe Hangers



TERMS & CONDITIONS

PRICING

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FREIGHT TERMS

Our product offering is divided into freight categories. All items within the same category can be combined to qualify for freight prepaid. FCI reserves the right to specify freight terms on specially quoted, net-priced orders. For prepaid orders, the choice of shipper will be at FCI's discretion.

SHORTAGES DAMAGES

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

RETURNS

Claims for damaged products or items lost in transit must be directed to the appropriate carrier by the consignee. FCI's responsibility ends, and title passes to the carrier upon delivery.

Returns of material are not allowed without prior written authorization from FCI. A copy of the RGA Authorization must accompany any material return. Goods returned for reasons other than defects must be in their original, unopened cartons, unless they were originally sold loose, and will be subject to inspection to ensure the items are in resalable condition.

WARRANTY AND LIMITATIONS OF LIABILITY

As used herein, "Supplier" shall mean Flow Control Industries, or any of its affiliates (for clarity, as used herein, Supplier shall only refer to such entity which actually sold the product being warranted to the initial purchaser). Supplier warrants to its initial purchaser only that the products delivered to this initial purchaser will be of the kind described in the order or price list and will be delivered free of defects in workmanship or material.

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

The "Warranty Period" shall mean a period that is the shorter of (i) twenty-four (24) months from the date of delivery to its initial purchaser or (ii) twelve(12) months after installation. In the event that Supplier elects to replace or repair the defective product, Supplier shall pay up to \$50 per defective product for total cost of installation, in addition to repairing or replacing such product in accordance with the terms contained herein. In the event of multiple claims, such payment shall be no greater than \$ 500 for each installation project. Except as set forth in the foregoing sentence, Supplier shall not be responsible for the cost of providing working access to the nonconforming products, including disassembly and re-assembly of non-Supplier supplied equipment, or for transportation to or from any repair facility, all of which shall be at the initial purchaser's risk and expense.

This warranty applies only during normal, intended, and proper use that meets the above-referenced conditions of storage, installation, usage, maintenance, and operation. It is absolutely void if the product has been damaged after purchase, or if it has been repaired (except if such repair was expressly authorized by Supplier and performed by Supplier), misused, altered, or modified in any manner whatsoever. Without limiting the generality of the foregoing, this warranty is void if any portion of the product—including, without limitation, any component—has been misused, modified, altered, repaired (except if such repair was expressly authorized by Supplier and performed by Supplier), remanufactured, or replaced (except if such replacement was expressly authorized by Supplier) in any manner by the initial purchaser, customer, user of the product, or any third party. Supplier does not warrant or cover damages arising from a disaster such as fire, flood, wind, earthquake, or lightning. The warranty set forth herein also does not cover normal and customary wear and tear. The limitations contained herein on the validity of the warranty shall govern not only the express warranty made by the Supplier herein, but also any other warranty which, contrary to the terms herein, is deemed or implied by law to be in effect. Products supplied by Supplier but manufactured by others are warranted only to the extent of the manufacturer's warranty, and only the remedies, if any, provided by the manufacturer will be allowed.

No returns will be allowed unless prior written permission of Supplier is first obtained. Purchasers shall be responsible for all costs of transportation as well as any applicable restocking charges. All causes of action against Supplier arising out of or relating to this warranty, or the performance or breach hereof, shall expire unless brought within one year of the time of accrual thereof.

THIS WARRANTY IS EXCLUSIVELY FOR THE BENEFIT OF THE INITIAL PURCHASER OF THIS PRODUCT FROM SUPPLIER, AND, EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, THE FOREGOING WARRANTY IS IN LIEU OF, AND THE SUPPLIER DOES NOT MAKE, AND EXPRESSLY DISCLAIMS, ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, WRITTEN OR ORAL, ARISING FROM COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE, LAW, OR OTHERWISE, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE REMEDIES STATED HEREIN CONSTITUTE THE PURCHASER'S EXCLUSIVE REMEDIES AND THE SUPPLIER'S ENTIRE LIABILITY FOR ANY BREACH OF WARRANTY.

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