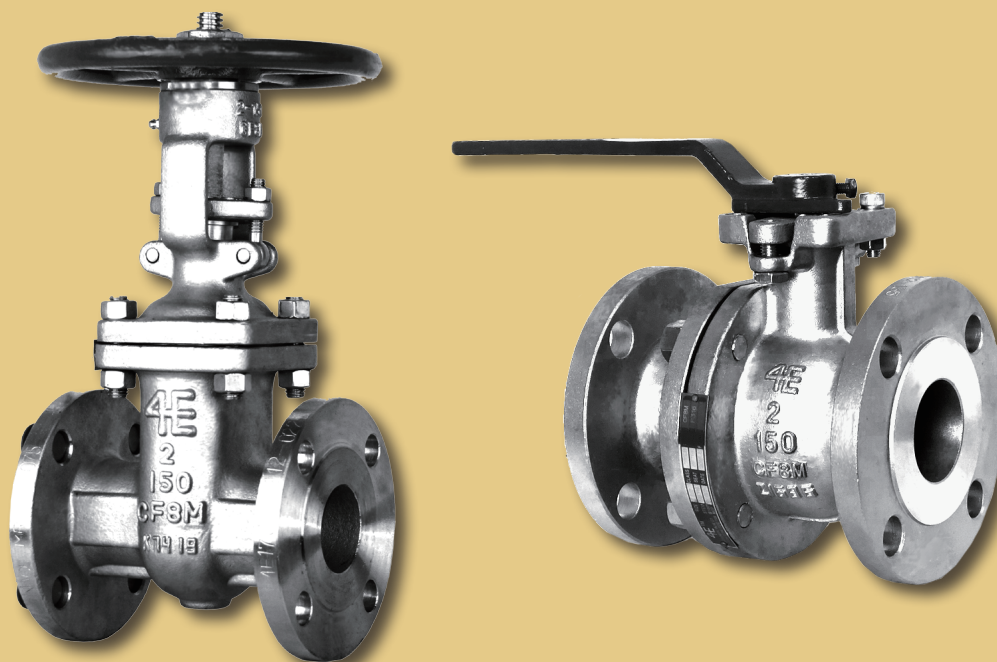




# **STAINLESS STEEL VALVES**

**CF8M Flanged Gate Globe Check Ball Valves**



**4E Valve**



**4E** Valve is a Texas Corporation Company located in Stafford, TX. Since 1993, 4Excellent Quality, 4Extraordinary Service, 4Expediant Delivery and 4Extensive Inventory is what many Industries have counted on for over decades 4E Valve. Our World-Wide Distributor Network which will be there for anyone who represent a Reliable Source of 4E Valve Products.

For Excellent Quality, 4E's API Certified manufacturing facilities are dedicated to exceeding applicable API, ANSI, ASTM and other industry standards. Our products come with a vigilant quality assurance program and Liability Insurance. 4E monitors its products from scratch to finish. And Our commitment to quality does not end at our factories where all 4E valves are tested in accordance with API 598. 4E scrutinizes material test reports and maintains an MTR Data Base System. Furthermore, 4E valves are selected periodically to undergo full non-destructive and destructive testing in accordance with ASTM A703 and API 598 at an independent laboratory to insure product integrity.

For Extraordinary Service, our trained professionals are ready to provide immediate answers to your inquiries. 4E strives to quote within the hour of receiving large inquiries via email, fax or any means of communication.

For Expediant Delivery, 4E dispatches valves from stock within 24 hours after placement of order.

For Extensive Inventory, 4E maintains a significant inventory of valves in Houston, TX and our products are available from 4E distributors and agents in the the United States, North America and overseas.

**4EXCELLENT**  
**4EXTRAORDINARY**  
**4EXPEDIANT**  
**4EXTENSIVE**

**4E Stainless Steel Valve Brochure**  
**2020-2**



# 4E MANUFACTURER



a.	b.
c.	
d.	

## 4E Manufacture's

- a. Foundry
- b. Machining Center
- c. Testing Stations

## 4E U.S.A.

- d. 4E New Warehouse in Houston (2019)



## CONTACT 4E

### New Warehouse Ready by Summer 2020

6907 Brasada Dr., Southwest Business Park,  
at the junction of Fort Bend Parkway Toll Road  
and Beltway 8, Houston, TX.



### Call us

+1(281)494-4300  
800-496-4042

### Fax us

+1(281)494-0090

### Email us

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sales@4evalve.com  
ben@4evalve.com

### U.S.A. Office

10700 Corporate Dr. #124  
Stafford, TX 77477  
U.S.A.

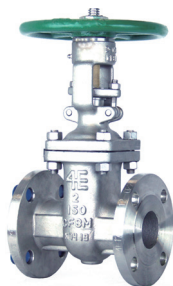
### Check Our Website

[www.4Evalve.com](http://www.4Evalve.com)



## Stainless Steel - Gate Globe Check Ball - Index

### 4E VALVE API 603 FLANGED STAINLESS STEEL C.C.G. VALVES, TRIM 10



**150# GATE VALVE**  
In Stock 2" - 12"  
FIG.# 4E-11C8M10F



**150# GLOBE VALVE**  
In Stock 2" - 8"  
FIG.# 4E-21C8M10F



**150# CHECK VALVE**  
In Stock 2" - 12"  
FIG.# 4E-31C8M10F

### 4E VALVE API 6D FLANGED STAINLESS STEEL BALL VALVES,



**150# BALL VALVE**  
In Stock 2" - 8"  
FIG.# 4E-41C8M16RGF



**300# BALL VALVE**  
In Stock 2" - 8"  
FIG.# 4E-43C8M16RGF

### BACK ORDER & OTHER PRODUCTS

**4E NOW STOCKS API 603 TRIM 10 GATE GLOBE & CHECK VALVES UP TO 12"  
API 6D BALL VALVES UP TO 8"**

**FOR 4E API 600 150# - 300# GATE, GLOBE & CHECK VALVES  
BACK ORDER & PRICES AVAILABLE UPON REQUEST**

**FOR SMALL THREADED BALL, FORGED 316L & BUTTERFLY VALVES IN STAINLESS STEEL  
PLEASE REFER TO OUR OTHER BROCHURES OR CALL FOR INQUIRIES**

# Class 150 Stainless Steel OS&Y Gate Valve



**FIG.# 4E-11C8M10F**

**Sizes: 2"-12" @ ANSI 150, Trim 10 IN STOCK**

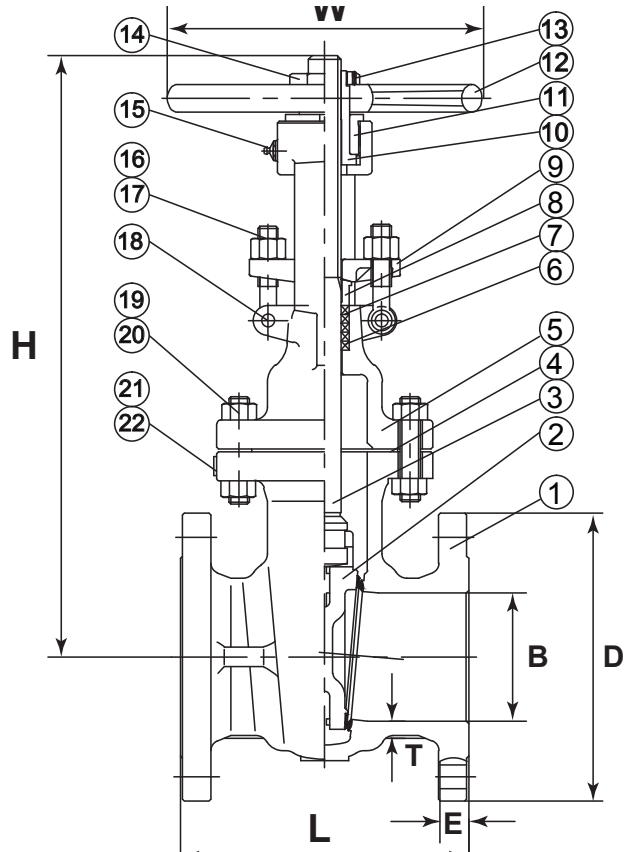
Corrosion Resistant, Intergral Seat, Flanged  
Wall Thickness to ASME B16.34

## STANDARDS COMPLIANCE:

Basic Design	API 603/ ASME B16.34
Face to Face Dimensions	ANSI B 16.10
End Flange Dimensions	ASME B16.5
Test Standard	API 598

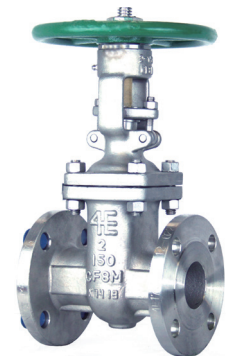
## MATERIAL LIST

No.	Part Name	Material
1.	Body	A351 CF8M
2.	Gate	A351 CF8M
3.	Stem	A182 F316
4.	Bonnet Gasket	F316 + Flexible Graphite
5.	Bonnet	A351 CF8M
6.	Stem Packing	F304 + Graphite + C.I.
7.	Stem Packing	Flexible Graphite + C.I.
8.	Gland	A182 F316
9.	Gland Flange	A351 CF8M
10.	Stem Nut	A439 - D2
11.	Gland Nut	A182 F316
12.	Handwheel	Ductile Iron
13.	Screw	A182 F316
14.	Handwheel Nut	A182 F316
15.	Grease Nipple	A182 F316
16.	Gland Bolt	A193 - B8M
17.	Gland Nut	A194 - 8M
18.	Pin	A182 F316
19.	Bonnet Bolt	A193 - B8M
20.	Bonnet Nut	A194 - 8M
21.	Name Plate	ANSI 304
22.	Rivet	ANSI 304



## DIMENSION & WEIGHT

SIZE	unit	2"	3"	4"	6"	8"	10"	12"
L	inch	7.0	8.0	9.0	10.5	11.5	13.0	14.0
	mm	178	203	229	267	292	330	356
B	inch	2.0	3.0	4.0	6.0	8.0	10.0	12.0
	mm	51	76	102	152	203	254	305
D	inch	6.0	7.5	9.0	11.0	13.5	16.0	19.0
	mm	152	190	229	279	343	406	483
E	inch	0.63	0.75	0.94	1.00	1.14	1.19	1.26
	mm	16	19.1	24	25.4	29	30.3	32
H	inch	11.65	13.94	17.32	22.52	28.19	34.02	39.37
	mm	296	354	440	572	716	864	1000
T	inch	0.22	0.24	0.26	0.28	0.32	0.35	0.38
	mm	5.6	6.0	6.6	7.2	8.1	8.8	9.7
W	inch	8.0	10.0	10.0	12.0	12.0	14.0	16.0
	mm	200	250	250	300	300	350	400
WT.	lbs.	28.5	51.0	80.0	128.0	196.0	284.0	441
	kg.	13.0	23.0	36.0	58.0	89.0	129.0	200







# Class 150 Stainless Steel Globe Valve

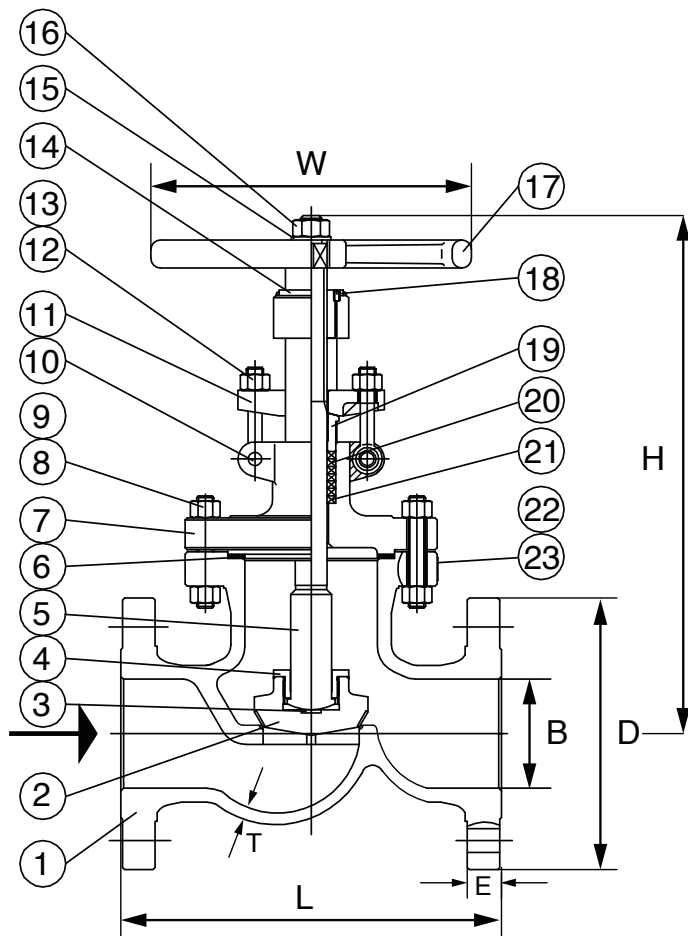
FIG.# 4E-21C8M10F

Sizes: 2"-12" @ ANSI 150, Trim 10 IN STOCK

Corrosion Resistant, Integral Seat, Flanged  
Wall Thickness to ASME B16.34

## STANDARDS COMPLIANCE:

Basic Design	API 603/ ASME B16.34
Face to Face Dimensions	ANSI B 16.10
End Flange Dimensions	ASME B16.5
Test Standard	API 598



## MATERIAL LIST

No.	Part Name	Material
1.	Body	A351 CF8M
2.	Disc	A182 F316
3.	Thrust Plate	A182 F316
4.	Disc Cover	A182 F316
5.	Stem	A182 F316
6.	Bonnet Gasket	F316+ Flexible Graphite
7.	Bonnet	A351 CF8M
8.	Bonnet Bolt	A193- B8M
9.	Bonnet Nut	A194- 8M
10.	Pin	A182 F316
11.	Gland Flange	A351 CF8M
12.	Gland Bolt	A193- B8M
13.	Gland Nut	A194- 8M
14.	Stem Nut	A439- D2
15.	Gasket	A182 F316
16.	Nut	A182 F316
17.	Handwheel	Ductile Iron
18.	Screw	A182 F316
19.	Gland	A182 F316
20.	Stem Packing	F304+ Graphite+ C.I.
21.	Stem Packing	Flexible Graphite+ C.I.
22.	Name Plate	AISI 304
23.	Rivet	AISI 304

## DIMENSION & WEIGHT

SIZE	unit	2"	3"	4"	6"	8"
L	inch	8.0	9.5	11.5	16.0	19.5
	mm	203	241	292	406	495
B	inch	2.0	3.0	4.0	6.0	8.0
	mm	51	76	102	152	203
D	inch	6.0	7.5	9.0	11.0	13.5
	mm	152	190	229	279	343
E	inch	0.63	0.75	0.94	1.02	1.14
	mm	16	19.1	24	26	29
H	inch	10.35	13.54	14.72	18.11	19.88
	mm	263	344	374	460	505
T	inch	0.22	0.24	0.26	0.28	0.31
	mm	5.6	6.0	6.5	7.2	8.0
W	inch	7.87	9.84	11.81	13.78	13.78
	mm	200	250	300	350	350
WT.	lbs.	39.75	66.12	99.25	194.00	205.22
	kg.	18.0	30.0	45.0	88.0	113.5



# Class 150 Stainless Steel Check Valve



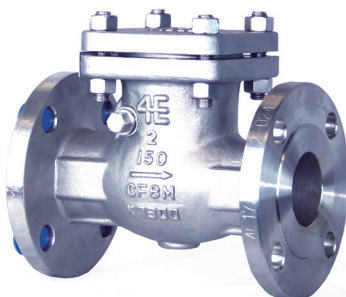
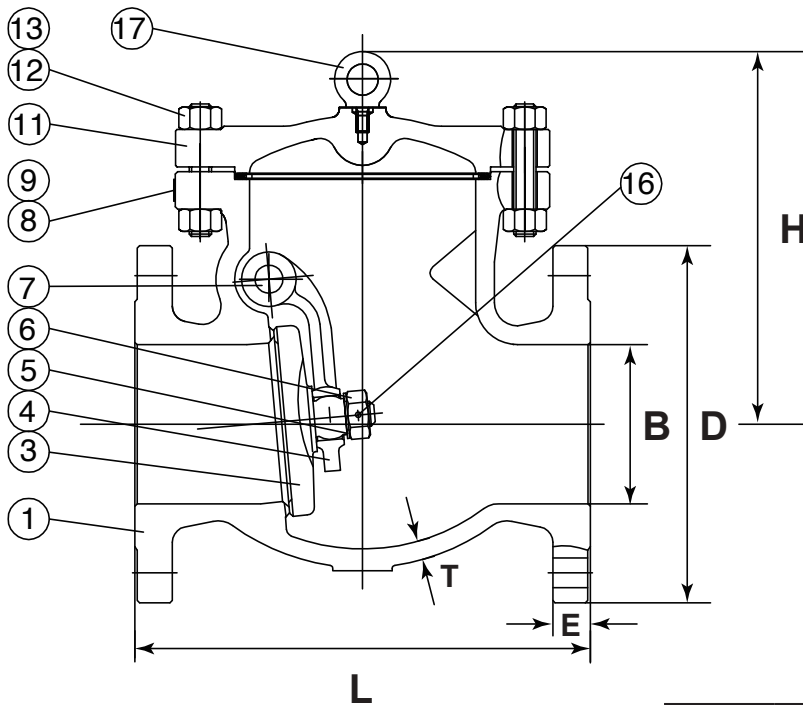
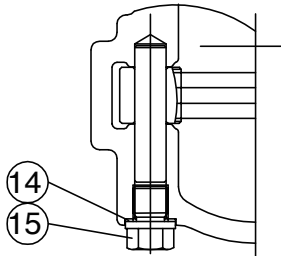
**FIG.# 4E-31C8M10F**

**Sizes: 2"-12" @ ANSI 150, Trim 10 IN STOCK**

Corrosion Resistant, Intergral Seat, Flanged  
Wall Thickness to ASME B16.34

## STANDARDS COMPLIANCE:

Basic Design	API 603/ ASME B16.34
Face to Face Dimensions	ANSI B 16.10
End Flange Dimensions	ASME B16.5
Test Standard	API 598



## MATERIAL LIST

No.	Part Name	Material
1.	Body	A351 CF8M
3.	Disc	A182 F316
4.	Hinge	A351 CF8M
5.	Gasket	A182 F316
6.	Nut	A182 F316
7.	Pin	A182 F316
8.	Name Plate	AISI 304
9.	Rivet	AISI 304
10.	Bonnet Gasket	F316+ Flexible Graphite
11.	Bonnet	A351 CF8M
12.	Bonnet Bolt	A193- B8M
13.	Bonnet Nut	A194- 8M
14.	Gasket	316
15.	Plug	A182 F316
16.	Pin	A182 F316
17.	Eyebolt	AISI 304

## DIMENSION & WEIGHT

SIZE	unit	2"	3"	4"	6"	8"
L	inch	8.0	9.5	11.5	14.0	19.5
	mm	203	241	292	356	495
B	inch	2.0	3.0	4.0	6.0	8.0
	mm	51	76	102	152	203
D	inch	6.0	7.5	9.0	11.0	13.5
	mm	152	190	229	279	343
E	inch	0.63	0.75	0.94	1.02	1.14
	mm	16	19.1	24	26	29
H	inch	4.33	5.75	7.36	9.06	10.94
	mm	110	146	187	230	278
T	inch	0.22	0.24	0.26	0.28	0.31
	mm	5.6	6.0	6.5	7.2	8.0
WT.	lbs.	30.85	50.75	81.50	143.25	238.0
	kg.	14.0	23.0	37.0	65.0	108.0



# CLASS 150 STAINLESS STEEL BALL VALVE

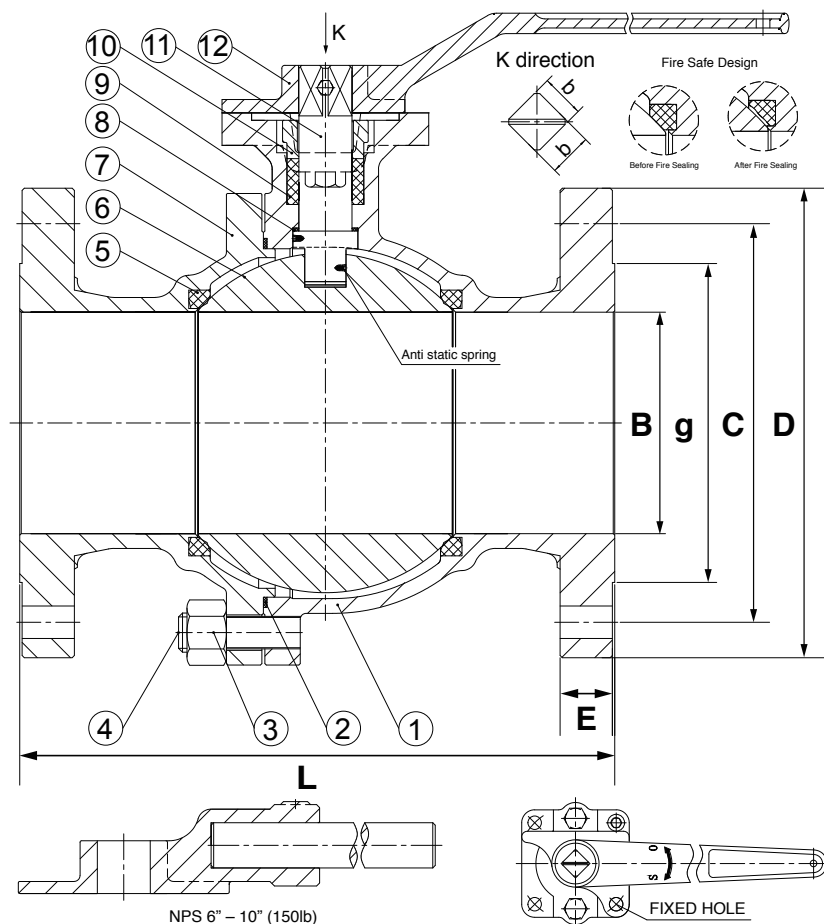
**FIG.# 4E-41C8M16RGF-2F**

**Sizes: 2"-8" @ ANSI 150**

**FULL STAINLESS STEEL BALL VALVE**

316 Stainless Steel Body, Ball and Stem  
2-PCS, Floating Ball, Full Port, Nace  
ISO 5211 Mounting Pad  
Fire Safe Design and Anti-Static\*  
Design and Manufacture: API 6D  
Face to Face Dimensions: ASME B16.10  
Flange Ends Dimensions: ASME B16.5  
Fire Safe Test: API 607  
Pressure Test: API 598

CLASS	Pressure Test (MPa)		
	Shell Test	Seat Test	Air Test
150 LB	3.0	2.2	0.6
Applicable Temperature		- 29°C (- 20°F) ~ 120°C (248°F)	
Applicable Media		W.O.G.	



## MATERIAL LIST

No.	Part Name	Material
1.	Body	A351 CF8M
2.	Body Gasket	SS 316 + Graphite
3.	Nut	A194 - 8M
4.	Stud	A193 - B8M
5.	Seat	RPTFE
6.	Ball	A182 - F316
7.	Bonnet	A351 CF8M
8.	Thrust Washer	PTFE
9.	Packing	Graphite
10.	Gland	A351 CF8M
11.	Stem	SS 316
12.	Lever	A216 - WCB

## DIMENSIONS & WEIGHT

SIZE	unit	2"	3"	4"	6"	8"
D	inch	5.91	7.48	9.06	11.02	13.58
	mm	150	190	230	280	345
L	inch	7.01	7.99	9.02	15.51	17.99
	mm	178	203	229	394	457
B	inch	1.93	2.99	3.94	5.91	7.91
	mm	49	76	100	150	201
E	inch	0.56	0.69	0.88	0.94	1.06
	mm	14.3	17.5	22.3	23.9	27.0
C	inch	4.74	6.00	7.50	9.50	11.75
	mm	120.5	152.4	190.5	241.3	298.5
g	inch	3.62	5.00	6.18	8.50	10.63
	mm	92	127	157	215.9	269.9
b X b		14 X 14	18 X 18	22 X 22	27 X 27	32 X 32
Weight	lbs.	23.8	45.8	83.7	163.1	286.6
	kgs.	10.8	20.8	38	74	130
Torque	N-m	42	112	182	658	1092

**NOTE:** 1. Handwheel, lever and Gear Operator must be specified at the point of order.  
2. Specifications subject to change without notice.



# CLASS 300 STAINLESS STEEL BALL VALVE 2" – 4"



**FIG.# 4E-43C8M16RGF-2F**

**Sizes: 2"-4" @ ANSI 300**

**FULL STAINLESS STEEL BALL VALVE**

316 Stainless Steel Body, Ball and Stem

2-PCS, Floating Ball, Full Port, Nace

ISO 5211 Mounting Pad

Fire Safe Design and Anti-Static\*

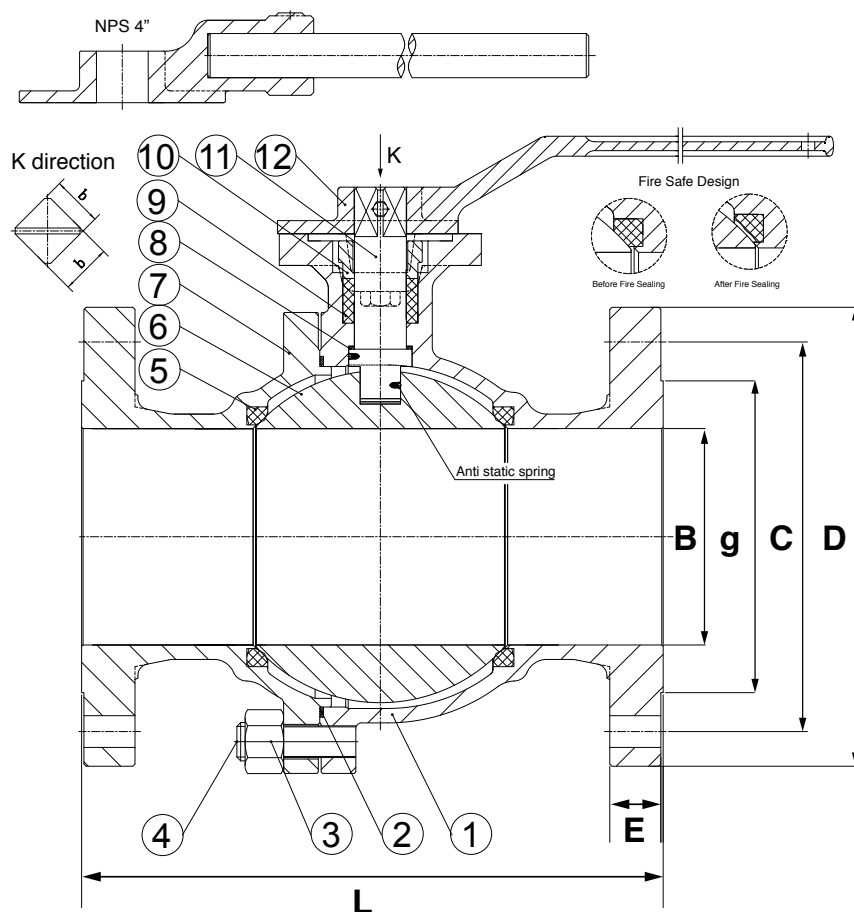
Design and Manufacture: API 6D

Face to Face Dimensions: ASME B16.10

Flange Ends Dimensions: ASME B16.5

Fire Safe Test: API 607

Pressure Test: API 598



CLASS	Pressure Test (MPa)		
	Shell Test	Seat Test	Air Test
150 LB	7.5	5.5	0.6
Applicable Temperature		- 29°C (- 20°F) ~ 120°C (248°F)	
Applicable Media		W.O.G.	

## MATERIAL LIST

No.	Part Name	Material
1.	Body	A351 CF8M
2.	Body Gasket	SS 316 + Graphite
3.	Nut	A194 - 8M
4.	Stud	A193 - B8M
5.	Seat	RPTFE
6.	Ball	A182 - F316
7.	Bonnet	A351 CF8M
8.	Thrust Washer	PTFE
9.	Packing	Graphite
10.	Gland	A351 CF8
11.	Stem	A276 - 316
12.	Lever	A216 - WCB

## DIMENSIONS & WEIGHT

SIZE	unit	2"	3"	4"
D	inch	6.50	8.27	10.04
	mm	165	210	255
L	inch	8.50	11.14	12.01
	mm	216	283	305
B	inch	1.93	2.99	3.94
	mm	49	76	100
E	inch	0.81	1.06	1.19
	mm	20.7	27.0	30.2
C	inch	5.00	6.63	7.87
	mm	127	168.5	200
g	inch	3.62	5.00	6.18
	mm	92	127	157
b X b		18 X 18	22 X 22	25 X 25
Weight	lbs.	33.0	69.5	108.0
	kgs.	15.0	31.5	49.0
Torque	N·m	84	196	364

**NOTE:** 1. Handwheel, lever and Gear Operator must be specified at the point of order.  
2. Specifications subject to change without notice.



# CLASS 300 STAINLESS STEEL BALL VALVE 6" – 8"

**FIG.# 4E-43C8M16RGF-2F**

**Sizes: 6" – 8" @ ANSI 300**

**FULL STAINLESS STEEL BALL VALVE**

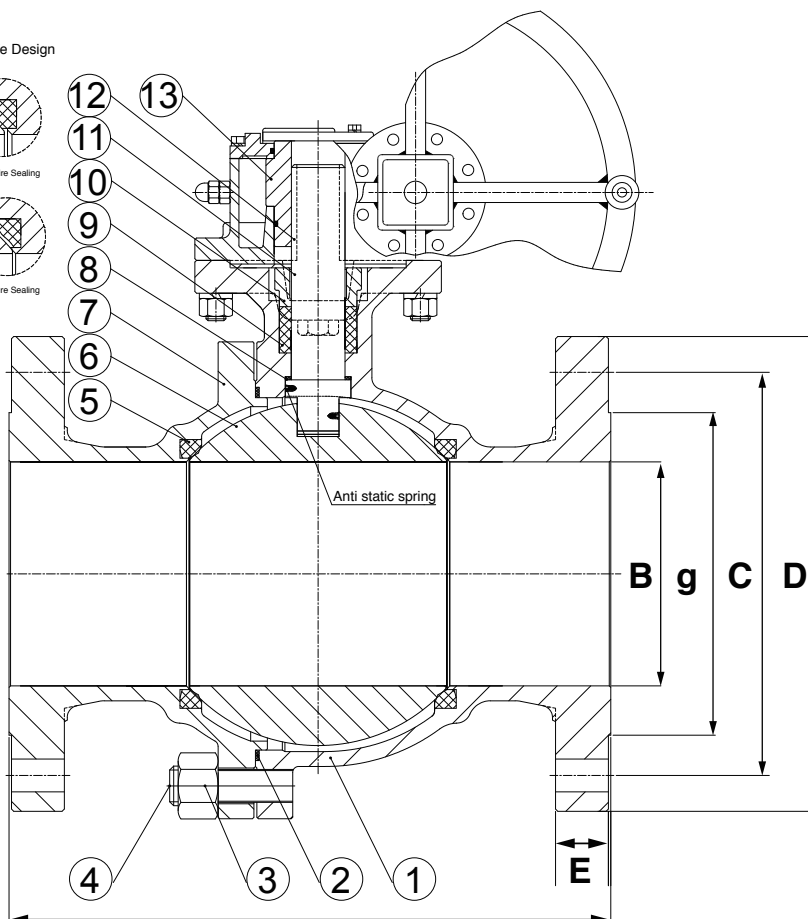
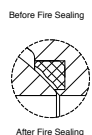
316 Stainless Steel Body, Ball and Stem  
2-PCS, Floating Ball, Full Port, Nace  
ISO 5211 Mounting Pad  
Fire Safe Design and Anti-Static\*  
Design and Manufacture: API 6D  
Face to Face Dimensions: ASME B16.10  
Flange Ends Dimensions: ASME B16.5  
Fire Safe Test: API 607  
Pressure Test: API 598

CLASS	Pressure Test (MPa)		
	Shell Test	Seat Test	Air Test
150 LB	7.5	5.5	0.6
Applicable Temperature		- 29°C (- 20°F) ~ 120°C (248°F)	
Applicable Media		W.O.G.	

## MATERIAL LIST

No.	Part Name	Material
1.	Body	A351 CF8M
2.	Body Gasket	SS 316 + Graphite
3.	Nut	A194 - 8M
4.	Stud	A193 - B8M
5.	Seat	RPTFE
6.	Ball	A182 - F316
7.	Bonnet	A351 CF8M
8.	Thrust Washer	PTFE
9.	Packing	Graphite
10.	Gland	A351 CF8
11.	Stem	A276 - 316
12.	Key	A276 - 410
13.	Drving	Assembled

Fire Safe Design



## DIMENSIONS & WEIGHT

SIZE	unit	6"	8"
D	inch	12.60	14.96
	mm	320	380
L	inch	15.87	19.76
	mm	403	502
B	inch	5.91	7.91
	mm	150	201
E	inch	1.38	1.56
	mm	35.0	39.7
C	inch	10.63	12.99
	mm	269.9	330
g	inch	8.50	10.63
	mm	215.9	269.9
Weight	lbs.	244.7	407.9
	kgs.	111.0	185.0
Torque	N·m	1310	2170

**NOTE:** 1. Handwheel, lever and Gear Operator must be specified at the point of order.  
2. Specifications subject to change without notice.

## WARRANTY

LIMITED WARRANTY: 1. 4Evergreen Valve warrants to the original purchaser, for a period of one year from and after the date of delivery to the original customer, that its products will be free from defects in workmanship and materials, not caused or resulting from improper usage or application, improper installation, improper maintenance, repair, modification or alteration. In the event the original purchase shall determine that a product purchased from 4E is defective in workmanship or materials, the customer shall notify the 4E Warranty Representative within 24 hours from such determination, followed by written notice to such effect within 7 days therefrom, addressed to: 4EVERGREEN VALVE CO., P.O. BOX 721109, HOUSTON, TX 77272-1109.

2. In the event 4E shall determine that the product is defective based upon such examination of the product which 4E may deem appropriate, 4E shall thereupon, at its sole option, cause the defective product to be (a) repaired, (b) replaced with a substantially identical product, or (c) accept the return of a defective product and refund the purchasing price to the original purchaser, but shall in no event bear any installation, reinstallation, engineering or other costs incurred in connection with repair or replacement.

3. Since 4E shall not provide engineering and/or suitability of application or installation services for a purchaser, the selection, suitability, installation and fitness of all products sold by 4E shall be deemed to have been determined exclusively by and within the resulting from the selection, application, suitability, fitness or installation of its products.

4. The foregoing constitutes the sole obligation of 4E with respect to defective products purchased from it and in no manner shall 4E assume or be liable for any other expenses, incidental or consequential damages, losses, lost profits, downtime or otherwise, whether directly or indirectly suffered, or in any other manner relating to or as the result of any defect or failure of any product that it may sell.

5. Except as otherwise provided herein, 4E MAKES NO WARRANTIES OR REPRESENTATION, WHETHER EXPRESS OR IMPLIED, OF ANY KIND WHATSOEVER WITH RESPECT TO GOODS AND PRODUCTS SOLD BY IT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES WITH RESPECT TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NO PERSON IS AUTHORIZED TO GRANT OR EXTEND ANY WARRANTY OR REPRESENTATION ON BEHALF OF 4E OTHER THAN AS SET FORTH HEREIN.



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