KF Threaded And Grooved-End Floating Ball Valves



KF Industries

Superior Fluid Control Products for the Petrochemical and Industrial Markets

A division of CIRCOR International, Inc.

KF Series CF, CFH and CFXH Ball Valves

Trim (Ball & Stem) And Bolting
1 • Carbon Steel (Non-NACE)
2 • Stainless Steel (NACE III)
A • Stainless Steel (NACE II)
B • Stainless Steel (Non-NACE)

Seat & Seals
1 • Nylon/HNBR
2 • Teflon®/Viton®*
3 • Nylon/Viton®
4 • Teflon®/HNBR*
5 • HT4 (PEEK™)/Viton®
6 • HT4 (PEEK™)/EPDM
7 • HT4 (PEEK™)/Aflas®
8 • Nylon/PC Buna N
9 • Teflon®/PC Buna N*
D • HT4 (PEEK™)/PC Buna N
E • HT4 (PEEK™)/HNBR

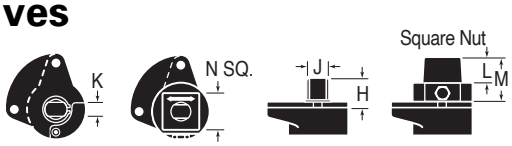
Coating
3 • Enduro-Bond™ Body/Adapter
9 • None

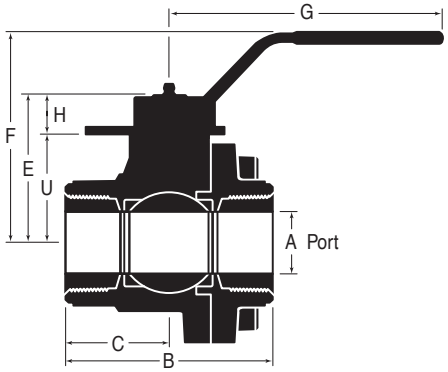
Actuation
1 • Handle
2 • Square Nut
9 • Bare Stem

Options
1 • Standard
2 • With Anti-Static Device

Assembly Base No.
XXXX - X X X X X

*Teflon® Seats not available in Series CF or CFXH

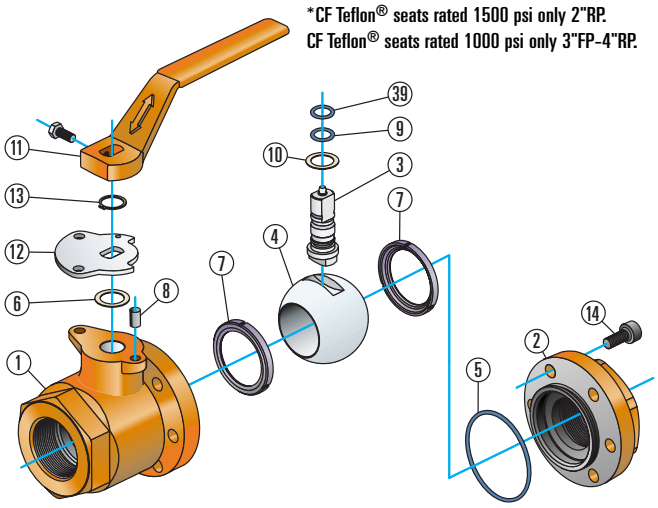




Assembly Base Numbers

Valve Size (in.)	2 RP	2 FP	3 RP	3 FP	4 RP
Rating (psi)*	2500	2160		1500	
Series CF	6389-	6390-	6391-	6392-	6393-
Rating (psi)	3000				
Series CFH	6395-	6396-	6397-	6398-	6399-
Rating (psi)	5000				
Series CFXH	6375-				

*CF Teflon® seats rated 1500 psi only 2"RP.
CF Teflon® seats rated 1000 psi only 3"FP-4"RP.



Dimensional Data (in.)

Valve Size (in.)		2 RP	2 FP	3 RP	3 FP	4 RP
Dimension		2 x 1 1/2	2 x 2	3 x 2	3 x 3	4 x 3
Weight lbs.*		12.5	21	25	60	53
A		1 1/2	2		3	
B	CF/CFH	5 3/32	5 3/4	7 1/4	8 1/8	
	CFXH	5 1/2	5 3/4	7 1/4	8 1/8	
C	CF/CFH	2 35/64	2 7/8	3 5/8	4 1/16	
	CFXH	2 3/4	2 7/8	3 5/8	4 1/16	
E		3 21/32	4 3/32		5 11/32	
F		5 15/32	5 29/32		6 25/32	
G		8 1/2			15	18
H		1 1/32			1 3/8	
J		.873/.871			1.248/1.245	
K		.560/.556			.621/.618	
L		1			1 1/8	
M		1 3/4			2 3/16	
N		1 7/16			1 13/16	
U		2 5/8	3 1/16		4	

* Handle weight included.

Parts List and Materials

Index	Description	Material
1	Body	A216 WCB
2	Adapter	A216 WCB
3	Stem	Carbon Steel/Zinc Plated or 316 Stainless Steel
4	Ball	1215 CS w/Chrome over Ni. Plating or 316 SS
5	Body Seal	HNBR, Viton®, PC Buna N, EPDM, Aflas®
6	Stem Bearing	Nylon
7	Seat	Nylon (Delrin in Ser. CFH & CFXH), Reinforced Teflon® or HT4 (PEEK™)
8	Stop	Steel

Index	Description	Material
9	Stem Seal	HNBR, Viton®, PC Buna N, EPDM, Aflas®
10	Thrust Bearing	Teflon® (HT4 when using HT4 Seats)
11	Handle/Sq. Nut	A47 Malleable Iron
12	Stop Plate	Steel, Plated
13	Retainer	Spring Steel
14	Cap Screw	Carbon Steel B7 (NACE III), B7M (NACE II)
39	Weather Seal	Buna N Only