

# Flanged End Connection

## Series F Carbon Steel

- 100% Made in USA
- ANSI Class 150 (285 PSI WP)
- 6" Through 10"
- Bolted Body Construction
  - Certified Low Emission per API 641
  - Certified Fire Safe per API 6FA
  - Exclusive Balon Gearbox (See page G-2)
  - NACE Option With 316 Stainless Steel Ball and Stem Available
- Multi-Seal Seats (See page B-5)
- Available in Low-Temp Service to -50°F

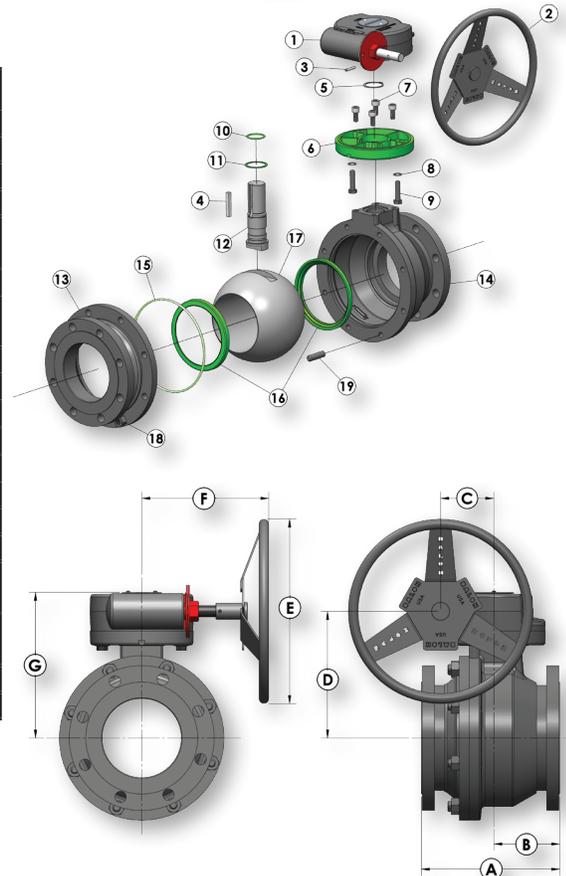


### Material Description

ITEM	PART NAME	MATERIAL (STANDARD)	MATERIAL (NACE)	LOW TEMP (NACE)
1	Gear Operator	Ductile Iron	Ductile Iron	Ductile Iron
2	Hand Wheel	Carbon Steel	Carbon Steel	Carbon Steel
3	Drive Pin	Carbon Spring Steel	Carbon Spring Steel	Carbon Spring Steel
4	Stem Key	Steel Key Stock	Steel Key Stock	Steel Key Stock
5	Stem Retainer Ring	Carbon Spring Steel	Carbon Spring Steel	Carbon Spring Steel
6	Mounting Plate	Ductile Iron	Ductile Iron	Ductile Iron
7	Mounting Plate Screws	Alloy Steel	Alloy Steel	Alloy Steel
8	Lock Washers	Carbon Steel	Carbon Steel	Carbon Steel
9	Mounting Screws	Alloy Steel	Alloy Steel	Alloy Steel
10	Stem O-Ring	Buna-N	Fluorocarbon	Fluorocarbon
11	Stem Seal	TFE	TFE	TFE
12	Stem	Carbon Steel	316 Stainless Steel	316 Stainless Steel
13	End Adapter*	ASTM A105, Normalized	ASTM A105, Normalized	ASTM A350 LF2 CL1
14	Body*	ASTM A105, Normalized	ASTM A105, Normalized	ASTM A350 LF2 CL1
15	Body O-Ring	Buna-N	Fluorocarbon	Fluorocarbon
16	Ball Seats	Nylon 11 (TFE Optional**)	Nylon 11 (TFE Optional**)	Nylon 11 (TFE Optional**)
17	Ball	Carbon Steel Nickel Chrome Plated	316 Stainless Steel	316 Stainless Steel
18	Nuts	ASTM A194 2H	ASTM A194 2HM	ASTM A320 7M
19	Body Bolts	ASTM A193 B7	ASTM A193 B7M	ASTM A320 L7M

\* Body/Adapter on 10R-F13 is ASTM A216 WCB or A352 LCC

\*\* Seat selection may result in de-rating of pressure. See Seat Pressure Ratings chart on page TD-4 for more information.



### Dimensional Data

SIZE	CATALOG NUMBER			PORT	A	B	C	D	E	F	G	LBS.	Cv
	STANDARD TRIM CARBON STEEL BALL & STEM	NACE TRIM 316 SS BALL & STEM	LOW TEMP 316 SS BALL & STEM										
6x6x6	6F-F13-RF	6F-F13N-RF	6F-F13NL-RF	6	10.5	4.50	4.00	9.75	14	9.0	11.19	230	-
6x6x6	6F-F13-RF15.5	6F-F13N-RF15.5	6F-F13NL-RF15.5	6	15.5	4.50	4.00	9.75	14	9.0	11.19	255	-
8x8x8	8R-F13-RF	8R-F13N-RF	N/A	6	11.5	5.12	4.00	9.75	14	9.0	11.19	285	2200
8x8x8	8F-F13-RF	8F-F13N-RF	8F-F13NL-RF	8	18.0	8.00	5.25	12.00	20	11.5	13.75	520	-
10x8x10	10R-F13-RF	10R-F13N-RF	N/A	8	21.0	9.00	5.25	12.00	20	11.5	13.75	580	4200



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