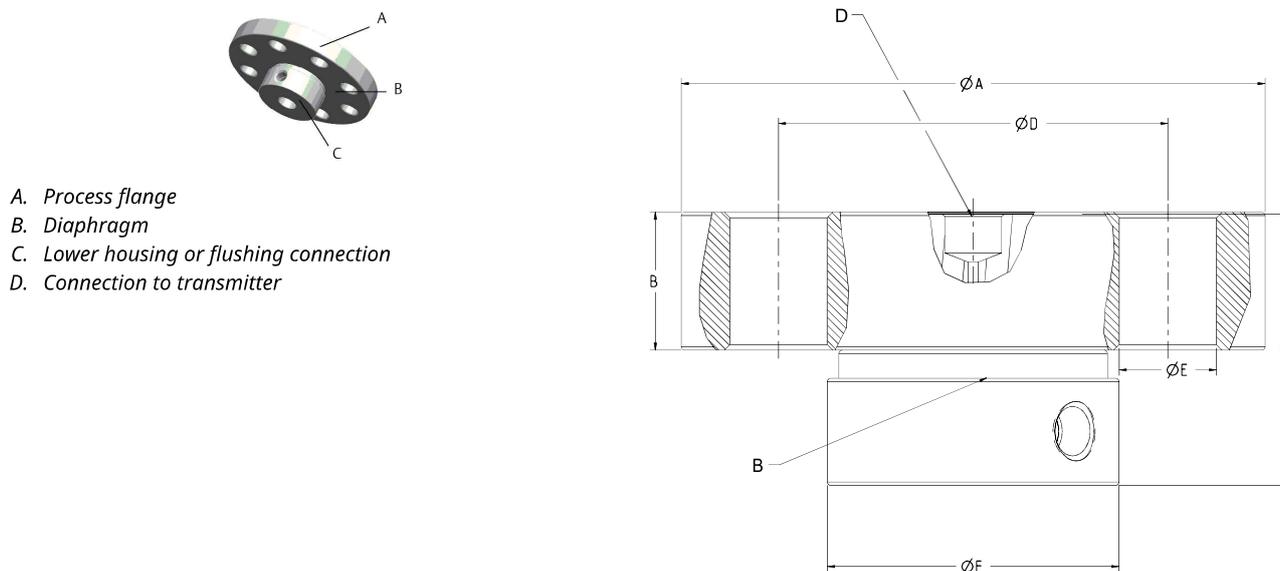


Table 59: Dimensions for FFW Flushing Connection Ring (Lower Housing) (continued)

Pipe size	Class	Raised face diameter "G" in. (mm)	Inner diameter "K" in. (mm)	Beveled edge "L" in. (mm)	Thickness with ¼-NPT F.C. "M" in. (mm)	Thickness with ½-NPT F.C. "M" in. (mm)	Weight lb (kg)
	20K	6.20 (157)	3.60 (91)	N/A	0.97 (25)	1.30 (33)	5.60 (2.52)
	40K	6.20 (157)	3.60 (91)	N/A	0.97 (25)	1.30 (33)	5.60 (2.52)

Figure 34: RFW Flanged Seal Standard Design



Note
Dimensions are in inches (millimeters).

Table 60: RFW Flanged Seal Standard Design Dimensions

Lower housing is loose on standard design, consult factory for retained lower housing options.

Pipe size	Class	Flange diameter "A" in. (mm)	Flange thickness "B" in. (mm)	Overall height "C" in. (mm)		Bolt circle diameter "D" in. (mm)	Bolt hole diameter "E" in. (mm)	Lower housing diameter "F" in. (mm)	Weight lb (kg)	
				No or ¼-in. NPT flush connection	½-in. NPT flush connection				No or ¼-in. NPT flush connection	½-in. NPT flush connection
ASME										
½-in.	2500	5.25 (133.4)	1.25 (31.8)	3.28 (783.3)	3.64 (92.5)	3.50 (88.9)	0.88 (22.4)	2.62 (66.5)	9.26 (4.20)	9.63 (4.37)
¾-in.	300	4.62 (117.3)	0.62 (15.7)	2.63 (66.8)	2.99 (75.9)	3.25 (83)	0.75 (19.1)	2.62 (66.5)	4.95 (2.25)	5.32 (2.41)
	600	4.62 (117.3)	0.68 (17.3)	2.63 (66.8)	2.99 (75.9)	3.25 (82.6)	0.75 (19.1)	2.62 (66.5)	5.15 (2.34)	5.52 (2.51)

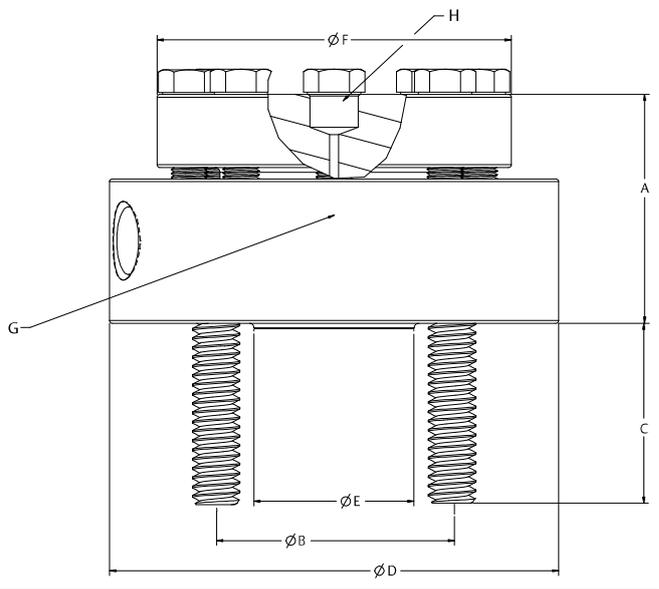
Table 60: RFW Flanged Seal Standard Design Dimensions (continued)

Pipe size	Class	Flange diameter "A" in. (mm)	Flange thickness "B" in. (mm)	Overall height "C" in. (mm)		Bolt circle diameter "D" in. (mm)	Bolt hole diameter "E" in. (mm)	Lower housing diameter "F" in. (mm)	Weight lb (kg)	
				No or ¼-in. NPT flush connection	½-in. NPT flush connection				No or ¼-in. NPT flush connection	½-in. NPT flush connection
	900/1500	5.12 (130)	1.06 (26.9)	3.28 (83.3)	3.64 (92.5)	3.50 (88.9)	0.88 (22.4)	2.62 (66.5)	8.01 (3.63)	8.38 (3.80)
	2500	5.50 (139.7)	1.31 (33.3)	3.28 (83.3)	3.64 (92.5)	3.75 (95)	0.88 (22.4)	2.62 (66.5)	10.28 (4.66)	10.65 (4.83)
1-in.	150	4.25 (108)	0.56 (14.2)	2.63 (66.8)	2.99 (75.9)	3.12 (79.2)	0.63 (16)	2.62 (66.5)	4.34 (1.97)	4.69 (2.13)
	300	4.88 (124)	0.68 (17.3)	2.63 (66.8)	2.99 (75.9)	3.50 (88.9)	0.75 (19.1)	2.62 (66.5)	5.45 (2.47)	5.81 (2.64)
	600	4.88 (124)	0.75 (19.1)	2.63 (66.8)	2.99 (75.9)	3.50 (88.9)	0.75 (19.1)	2.62 (66.5)	5.73 (2.60)	6.08 (2.76)
	900/1500	5.88 (149.4)	1.18 (30.0)	3.28 (83.3)	3.64 (92.5)	4.00 (101.6)	1.00 (25.4)	2.62 (66.5)	10.43 (4.73)	10.43 (4.73)
	2500	6.25 (158.8)	1.44 (36.6)	3.28 (83.3)	3.64 (92.5)	4.25 (108)	1.00 (25.4)	2.62 (66.5)	13.44 (6.10)	13.8 (6.26)
1½-in.	150	5.00 (127)	0.68 (17.3)	2.63 (66.8)	2.99 (75.9)	3.88 (98.6)	0.63 (16)	2.88 (73.2)	5.83 (2.65)	6.20 (2.81)
	300	6.12 (155.4)	0.81 (20.6)	2.63 (66.8)	2.99 (75.9)	4.50 (114.3)	0.88 (22.4)	2.88 (73.2)	8.40 (3.81)	8.78 (3.98)
	600	6.12 (155.4)	0.94 (23.9)	2.63 (66.8)	2.99 (75.9)	4.50 (114.3)	0.88 (22.4)	2.88 (73.2)	9.29 (4.22)	9.66 (4.38)
	900/1500	7.00 (177.8)	1.31 (33.3)	3.28 (83.3)	3.64 (92.5)	4.88 (124)	1.13 (28.7)	2.88 (73.2)	14.65 (6.65)	15.02 (6.81)
EN 1092-1										
DN20	PN63/PN100	5.12 (130)	0.87 (22.1)	2.63 (66.8)	2.99 (75.9)	3.54 (89.9)	0.71 (18.0)	2.68 (68.1)	6.87 (3.11)	7.26 (3.29)
DN25	PN16/PN40	4.53 (115.1)	0.71 (18)	2.63 (66.8)	2.99 (75.9)	3.35 (85.1)	0.55 (14)	2.68 (68.1)	5.27 (2.39)	5.64 (2.56)
	PN63/PN100/PN160	5.51 (140.0)	0.94 (23.9)	2.63 (66.8)	2.99 (75.9)	3.94 (100.1)	0.71 (18.0)	2.68 (68.1)	7.97 (3.62)	8.34 (3.78)
DN40	PN16/PN40	5.91 (150.1)	0.71 (18)	2.63 (66.8)	2.99 (75.9)	4.33 (110)	0.71 (18)	3.46 (87.9)	7.45 (3.38)	7.82 (3.55)
	PN63/PN100	6.69 (169.9)	1.02 (25.9)	2.63 (66.8)	2.99 (75.9)	4.92 (125)	0.87 (22.1)	3.46 (87.9)	7.45 (3.38)	11.87 (5.38)
	PN160			2.63 (66.8)	2.99 (75.9)	4.92 (125)	0.87 (22.1)	3.46 (87.9)	12.18 (5.53)	12.55 (5.69)
JIS 2220										
40A	10K	5.51 (140)	0.65 (16)	2.63 (66.8)	2.99 (75.9)	4.13 (104.9)	0.75 (19.1)	3.15 (80.0)	6.59 (2.99)	7.01 (3.18)
	20K	5.51 (140)	0.73 (18.5)	2.63 (66.8)	2.99 (75.9)	4.13 (104.9)	0.75 (19.1)	3.15 (80.0)	7.02 (3.19)	7.44 (3.37)

Table 60: RFW Flanged Seal Standard Design Dimensions (continued)

Pipe size	Class	Flange diameter "A" in. (mm)	Flange thickness "B" in. (mm)	Overall height "C" in. (mm)		Bolt circle diameter "D" in. (mm)	Bolt hole diameter "E" in. (mm)	Lower housing diameter "F" in. (mm)	Weight lb (kg)	
				No or 1/4-in. NPT flush connection	1/2-in. NPT flush connection				No or 1/4-in. NPT flush connection	1/2-in. NPT flush connection
	40K	6.30 (160)	0.97 (24.6)	2.63 (66.8)	2.99 (75.9)	4.72 (119.9)	0.91 (23.1)	3.15 (80.0)	10.14 (4.60)	10.55 (4.79)

Figure 35: RFW Flanged Seal Stud Bolt Design



- A. Overall height
- B. Stud circle diameter
- C. Stud (Protuding Length)
- D. Lower housing diameter
- E. Raised face diameter
- F. Upper diameter
- G. Diaphragm
- H. Connection to transmitter

Note

Dimensions are in inches (millimeters).

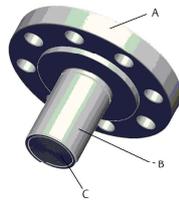
Table 61: RFW Flanged Seal Stud Bolt Design Dimensions

Pipe size	Class	Overall height "A" in. (mm)		Stud circle diameter "B" in. (mm)	Stud (size, length) "C" in. (mm)	Lower housing diameter "D" in. (mm)	Raised face diameter "E" in. (mm)	Upper diameter "F" in. (mm)	Weight lb (kg)	
		No or 1/4-in. NPT flush connection	1/2-in. NPT flush connection						No or 1/4-in. NPT flush connection	1/2-in. NPT flush connection
ASME										
1/2-in.	150	2.11 (53.6)	2.47 (62.7)	2.38 (60.5)	1.94 (49.3)	3.74 (95)	1.38 (35.1)	3.74 (95)	6.20 (2.81)	10.01 (4.55)
	300	2.17 (70)	2.47 (62.7)	2.62 (66.5)	1.94 (49.3)	3.74 (95)	1.38 (35.1)	3.74 (95)	6.37 (2.89)	10.01 (4.55)
	600	2.37 (60.2)	2.52 (64)	2.62 (66.5)	1.75 (44.5)	3.74 (95)	1.38 (35.1)	3.74 (95)	6.46 (2.93)	9.41 (4.27)

Table 61: RFW Flanged Seal Stud Bolt Design Dimensions (continued)

Pipe size	Class	Overall height "A" in. (mm)		Stud circle diameter "B" in. (mm)	Stud (size, length) "C" in. (mm)	Lower housing diameter "D" in. (mm)	Raised face diameter "E" in. (mm)	Upper diameter "F" in. (mm)	Weight lb (kg)	
		No or ¼-in. NPT flush connection	½-in. NPT flush connection						No or ¼-in. NPT flush connection	½-in. NPT flush connection
	900/1500	2.79 (70.9)	3.29 (83.6)	3.25 (82.6)	2.99 (75.9)	4.74 (120.4)	1.38 (35.1)	4.00 (101.6)	11.70 (5.31)	14.94 (6.78)
¾-in.	150	2.11 (53.6)	2.47 (62.7)	2.75 (69.9)	1.94 (49.3)	3.88 (98.6)	1.69 (42.9)	3.74 (95.0)	6.43 (2.92)	9.96 (4.52)
EN 1092-1										
DN 10	PN 40	2.11 (53.6)	2.47 (62.7)	2.36 (59.9)	1.80 (45.7)	3.74 (95)	1.57 (39.9)	3.74 (95.0)	6.12 (2.78)	10.00 (4.54)
	PN 63/100	2.11 (53.6)	2.47 (62.7)	2.76 (70.1)	1.80 (45.7)	3.74 (95)	1.57 (39.9)	3.74 (95.0)	6.51 (2.96)	9.92 (4.50)
DN 15	PN 40	2.11 (53.6)	2.47 (62.7)	2.56 (65.0)	1.80 (45.7)	3.74 (95)	1.77 (45)	3.74 (95.0)	6.10 (2.77)	9.88 (4.48)
	PN 63/100	2.11 (53.6)	2.47 (62.7)	2.95 (74.9)	1.80 (45.7)	4.13 (104.9)	1.77 (45)	3.74 (95.0)	6.87 (3.12)	9.88 (4.48)
JIS										
20A	10/20K	2.11 (53.6)	2.47 (62.7)	2.95 (74.9)	1.84 (46.7)	4.13 (104.9)	2.28 (57.9)	3.74 (95.0)	6.56 (2.98)	10.00 (4.54)

Figure 36: EFW Extended Flanged Seal - Extended Flanged Assembly



- A. Process flange
- B. Extension
- C. Diaphragm
- D. Connection to transmitter
- E. Extension length

