

Component Weights 20JF.E14
Rev 1.0C, Jun-06-2005

(also includes Series 20JF-C)

Table 20JF.E14.1A

Component Weights (lbs or lbs per foot)

Size in.	Rating psi	Pipe (lb/ft)	Fig.10 Flange	Fig.16 Blind Flange	Fig.20 90 Elbow	Fig.30 45 Elbow	Fig.40 Tee Fitting
1.00	200						
1.50	200						
2.00	200	2.7	2.9	1.5	1.1	0.6	3.3
2.50	200	3.3	3.7	2.0	1.4	0.7	4.0
3.00	200	3.9	4.2	2.2	2.4	1.2	5.4
4.00	200	5.0	6.0	3.5	4.2	2.1	8.0
6.00	200	8.1	11.5	6.0	10.8	5.4	17.2
8.00	200	11.7	17.4	9.5	23.3	11.7	33.4
10.00	200	17.2	28.9	14.6	38.3	19.1	51.2
12.00	200	22.1	39.6	21.3	64.5	32.2	82.1
14.00	150						
16.00	150						
18.00	150						
20.00	100						
22.00	100						
24.00	100						
30.00	100						
36.00	100						
42.00	50						
48.00	50						
54.00	50						
60.00	50						
66.00	50						
72.00	50						

Component Weights 20JF.E14
Rev 1.0C, Jun-06-2005

(also includes Series 20JF-C)

Table 20JF.E14.1B

Component Weights (lbs or lbs per foot)

Size in.	Rating psi	Fig.46 Flgd Saddle	Fig.48 PE Saddle	Fig.60 Reducer	Fig.80 Lateral	Fig.96 Hemicap	Shop Butt Weld
1.00	200						
1.50	200						
2.00	200	5.8	3.5		8.0	0.2	1.2
2.50	200	7.2	4.2	0.3	9.7	0.2	1.4
3.00	200	8.3	4.9	0.6	12.6	0.4	1.6
4.00	200	11.3	6.3	0.8	17.9	0.7	2.1
6.00	200	24.6	14.5	2.9	36.1	1.7	4.3
8.00	200	43.3	25.7	4.6	66.7	3.7	9.2
10.00	200	73.7	45.0	6.1	113.8	6.1	13.6
12.00	200	92.7	66.9	8.6	166.5	10.3	17.7
14.00	150						
16.00	150						
18.00	150						
20.00	100						
22.00	100						
24.00	100						
30.00	100						
36.00	100						
42.00	50						
48.00	50						
54.00	50						
60.00	50						
66.00	50						
72.00	50						

Component Weights 20JF.E14
Rev 1.0D, Dec-12-2009

(also includes Series 20JF-C)

Table 20JF.E14M.1A

Component Weights (kg or kg per meter)

Size mm	Rating bar	Pipe (kg/m)	Fig.10 Flange	Fig.16 Blind Flange	Fig.20 90 Elbow	Fig.30 45 Elbow	Fig.40 Tee Fitting
25	14						
38	14						
51	14	4.1	1.3	0.7	0.5	0.3	1.5
64	14	4.9	1.7	0.9	0.6	0.3	1.8
76	14	5.7	1.9	1.0	1.1	0.6	2.5
102	14	7.4	2.7	1.6	1.9	1.0	3.6
152	14	12.1	5.2	2.7	4.9	2.5	7.8
203	14	17.5	7.9	4.3	10.6	5.3	15.2
254	14	25.6	13.1	6.6	17.4	8.7	23.2
305	14	32.9	18.0	9.6	29.3	14.6	37.3
356	10						
406	10						
457	10						
508	7						
559	7						
610	7						
762	7						
914	7						
1067	3						
1219	3						
1372	3						
1524	3						
1676	3						
1829	3						

Component Weights 20JF.E14
Rev 1.0D, Dec-12-2009

(also includes Series 20JF-C)

Table 20JF.E14M.1B

Component Weights (kg or kg per meter)

Size mm	Rating bar	Fig.46 Flgd Saddle	Fig.48 PE Saddle	Fig.60 Reducer	Fig.80 Lateral	Fig.96 Hemicap	Shop Butt Weld
25	14						
38	14						
51	14	2.6	1.6		3.6	0.1	0.5
64	14	3.3	1.9	0.1	4.4	0.1	0.6
76	14	3.8	2.2	0.3	5.7	0.2	0.7
102	14	5.1	2.9	0.4	8.1	0.3	1.0
152	14	11.1	6.6	1.3	16.4	0.8	2.0
203	14	19.7	11.7	2.1	30.3	1.7	4.2
254	14	33.5	20.4	2.8	51.7	2.8	6.2
305	14	42.1	30.4	3.9	75.6	4.7	8.1
356	10						
406	10						
457	10						
508	7						
559	7						
610	7						
762	7						
914	7						
1067	3						
1219	3						
1372	3						
1524	3						
1676	3						
1829	3						

Component Weights 20JF.E14
Rev 1.0A, Oct-15-2001

(also includes Series 20JF-C)

Table 20JF.E14.1D

Component Weights (lbs or lbs per foot)

(Pressure ratings are 200psig: 1" - 12", 150psig: 14" - 18", 100psig: 20" - 24", 50psig: 30" and larger)

Header Size in.	Fig.88 Reducing Lateral (includes header pipe)											
	Size	(lb)	Size	(lb)	Size	(lb)	Size	(lb)	Size	(lb)	Size	(lb)
1.00												
1.50	x 1.00						x 1.00					
2.00	x 1.50	4.6	x 1.00	4.6			x 1.50		x 1.00			
2.50	x 2.00	7.8	x 1.50	5.5	x 1.00	5.5	x 2.00		x 1.50		x 1.00	
3.00	x 2.50	10.5	x 2.00	10.0	x 1.50	7.7	x 2.50		x 2.00		x 1.50	
4.00	x 3.00	15.5	x 2.50	14.4	x 2.00	13.9	x 3.00		x 2.50		x 2.00	
6.00	x 4.00	27.4	x 3.00	25.4	x 2.50	24.3	x 4.00		x 3.00		x 2.50	
8.00	x 6.00	49.9	x 4.00	44.9	x 3.00	43.0	x 6.00		x 4.00		x 3.00	
10.00	x 8.00	88.3	x 6.00	79.6	x 4.00	74.6	x 8.00		x 6.00		x 4.00	
12.00	x 10.00	130.2	x 8.00	115.4	x 6.00	106.6	x 10.00		x 8.00		x 6.00	
14.00	x 12.00		x 10.00		x 8.00		x 12.00		x 10.00		x 8.00	
16.00	x 14.00		x 12.00		x 10.00		x 14.00		x 12.00		x 10.00	
18.00	x 16.00		x 14.00		x 12.00		x 16.00		x 14.00		x 12.00	
20.00	x 18.00		x 16.00		x 14.00		x 18.00		x 16.00		x 14.00	
22.00	x 20.00		x 18.00		x 16.00		x 20.00		x 18.00		x 16.00	
24.00	x 22.00		x 20.00		x 18.00		x 22.00		x 20.00		x 18.00	
30.00	x 24.00		x 22.00		x 20.00		x 24.00		x 22.00		x 20.00	
36.00	x 30.00		x 24.00		x 22.00		x 30.00		x 24.00		x 22.00	
42.00	x 36.00		x 30.00		x 24.00		x 36.00		x 30.00		x 24.00	
48.00	x 42.00		x 36.00		x 30.00		x 42.00		x 36.00		x 30.00	
54.00	x 48.00		x 42.00		x 36.00		x 48.00		x 42.00		x 36.00	
60.00	x 54.00		x 48.00		x 42.00		x 54.00		x 48.00		x 42.00	
66.00	x 60.00		x 54.00		x 48.00		x 60.00		x 54.00		x 48.00	
72.00	x 66.00		x 60.00		x 54.00		x 66.00		x 60.00		x 54.00	



Component Weights 20JF.E14
Rev 1.0B, Dec-12-2009

(also includes Series 20JF-C)

Table 20JF.E14M.1D

Component Weights (kg or kg per meter)

(Pressure ratings are 13.8barg: 1" - 12", 10.3barg: 14" - 18", 6.9barg: 20" - 24", 3.4barg: 30" and larger)

Header Size mm	Fig.88 Reducing Lateral (includes header pipe)									
	Size	(kg)	Size	(kg)	Size	(kg)	Size	(kg)	Size	(kg)
25										
38	x 25						x 25			
51	x 38	2.1	x 25	2.1			x 38		x 25	
64	x 51	3.5	x 38	2.5	x 25	2.5	x 51		x 38	x 25
76	x 64	4.7	x 51	4.5	x 38	3.5	x 64		x 51	x 38
102	x 76	7.0	x 64	6.5	x 51	6.3	x 76		x 64	x 51
152	x 102	12.4	x 76	11.6	x 64	11.0	x 102		x 76	x 64
203	x 152	22.7	x 102	20.4	x 76	19.5	x 152		x 102	x 76
254	x 203	40.1	x 152	36.1	x 102	33.9	x 203		x 152	x 102
305	x 254	59.1	x 203	52.4	x 152	48.4	x 254		x 203	x 152
356	x 305		x 254		x 203		x 305		x 254	x 203
406	x 356		x 305		x 254		x 356		x 305	x 254
457	x 406		x 356		x 305		x 406		x 356	x 305
508	x 457		x 406		x 356		x 457		x 406	x 356
559	x 508		x 457		x 406		x 508		x 457	x 406
610	x 559		x 508		x 457		x 559		x 508	x 457
762	x 610		x 559		x 508		x 610		x 559	x 508
914	x 762		x 610		x 559		x 762		x 610	x 559
1067	x 914		x 762		x 610		x 914		x 762	x 610
1219	x 1067		x 914		x 762		x 1067		x 914	x 762
1372	x 1219		x 1067		x 914		x 1219		x 1067	x 914
1524	x 1372		x 1219		x 1067		x 1372		x 1219	x 1067
1676	x 1524		x 1372		x 1219		x 1524		x 1372	x 1219
1829	x 1676		x 1524		x 1372		x 1676		x 1524	x 1372



Component Weights 20JF.E14
 Rev 1.0A, Oct-15-2001
 (also includes Series 20JF-C)

Table 20JF.E14.1E

Component Weights (lbs or lbs per foot)

(Pressure ratings are 200psig: 1" - 12", 150psig: 14" - 18", 100psig: 20" - 24", 50psig: 30" and larger)

Header Size in.	Fig.46 Flanged Olet (includes header pipe) (branch size is shown horizontally)																						
	1.00	1.50	2.00	2.50	3.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00	30.00	36.00	42.00	48.00	54.00	60.00	
1.00																							
1.50																							
2.00	2.3	2.5																					
2.50	2.7	3.0	9.1																				
3.00	3.2	3.5	9.7	11.4																			
4.00	4.1	4.6	10.8	12.6	14.1																		
6.00	6.7	7.4	13.9	16.0	17.7	22.1																	
8.00	9.8	10.8	17.5	19.9	22.0	26.9	44.1																
10.00	14.3	15.8	23.0	25.8	28.4	34.2	53.2	77.7															
12.00	18.4	20.3	27.9	31.2	34.1	40.8	61.4	87.5	125.3														
14.00																							
16.00																							
18.00																							
20.00																							
22.00																							
24.00																							
30.00																							
36.00																							
42.00																							
48.00																							
54.00																							
60.00																							
66.00																							
72.00																							

Component Weights 20JF.E14
Rev 1.0B, Dec-12-2009

(also includes Series 20JF-C)

Table 20JF.E14M.1E

Component Weights (kg or kg per meter)

(Pressure ratings are 13.8barg: 1" - 12", 10.3barg: 14" - 18", 6.9barg: 20" - 24", 3.4barg: 30" and larger)

Header Size mm	Fig.46 Flanged Olet (includes header pipe) (branch size is shown horizontally)																					
mm	25	38	51	64	76	102	152	203	254	305	356	406	457	508	559	610	762	914	1067	1219	1372	1524
25																						
38																						
51	1.0	1.1																				
64	1.2	1.4	4.1																			
76	1.5	1.6	4.4	5.2																		
102	1.9	2.1	4.9	5.7	6.4																	
152	3.1	3.4	6.3	7.3	8.1	10.0																
203	4.4	4.9	8.0	9.0	10.0	12.2	20.0															
254	6.5	7.2	10.4	11.7	12.9	15.5	24.2	35.3														
305	8.4	9.2	12.7	14.1	15.5	18.5	27.9	39.7	56.9													
356																						
406																						
457																						
508																						
559																						
610																						
762																						
914																						
1067																						
1219																						
1372																						
1524																						
1676																						
1829																						

Component Weights 20JF.E14
 Rev 1.0A, Oct-15-2001
 (also includes Series 20JF-C)

Table 20JF.E14.1F

Component Weights (lbs or lbs per foot)

(Pressure ratings are 200psig: 1" - 12", 150psig: 14" - 18", 100psig: 20" - 24", 50psig: 30" and larger)

Header Size in.	Fig.48 Plain End Olet (includes header pipe) (branch size is shown horizontally)																						
	1.00	1.50	2.00	2.50	3.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00	30.00	36.00	42.00	48.00	54.00	60.00	
1.00																							
1.50																							
2.00	2.3	2.5																					
2.50	2.7	3.0	6.8																				
3.00	3.2	3.5	7.4	8.4																			
4.00	4.1	4.6	8.5	9.6	10.7																		
6.00	6.7	7.4	11.6	13.0	14.3	17.1																	
8.00	9.8	10.8	15.2	16.9	18.6	21.9	34.1																
10.00	14.3	15.8	20.7	22.8	25.0	29.2	43.2	60.1															
12.00	18.4	20.3	25.6	28.2	30.7	35.8	51.4	69.9	96.5														
14.00																							
16.00																							
18.00																							
20.00																							
22.00																							
24.00																							
30.00																							
36.00																							
42.00																							
48.00																							
54.00																							
60.00																							
66.00																							
72.00																							

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Component Weights 20JF.E14
Rev 1.0B, Dec-12-2009

(also includes Series 20JF-C)

Table 20JF.E14M.1F

Component Weights (kg or kg per meter)

(Pressure ratings are 13.8barg: 1" - 12", 10.3barg: 14" - 18", 6.9barg: 20" - 24", 3.4barg: 30" and larger)

Header Size mm	Fig.48 Plain End Olet (includes header pipe) (branch size is shown horizontally)																					
	25	38	51	64	76	102	152	203	254	305	356	406	457	508	559	610	762	914	1067	1219	1372	1524
25																						
38																						
51	1.0	1.1																				
64	1.2	1.4	3.1																			
76	1.5	1.6	3.3	3.8																		
102	1.9	2.1	3.8	4.4	4.9																	
152	3.1	3.4	5.3	5.9	6.5	7.8																
203	4.4	4.9	6.9	7.7	8.4	10.0	15.5															
254	6.5	7.2	9.4	10.4	11.3	13.3	19.6	27.3														
305	8.4	9.2	11.6	12.8	13.9	16.2	23.3	31.7	43.8													
356																						
406																						
457																						
508																						
559																						
610																						
762																						
914																						
1067																						
1219																						
1372																						
1524																						
1676																						
1829																						

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Component Weights 20JF.E14
Rev 1.0B, Mar-31-2005

(also includes Series 20JF-C)

Table 20JF.E14.1G

Component Weights (lbs)

Size in.	Rating psi	O-Ring Gasket	Full-Face Gasket
1.00	232	0.01	0.10
1.50	232	0.01	0.10
2.00	232	0.02	0.10
2.50	232	0.02	0.10
3.00	232	0.02	0.20
4.00	232	0.04	0.30
6.00	232	0.05	0.40
8.00	232	0.06	0.50
10.00	232	0.07	0.70
12.00	232	0.08	0.90
14.00	232	0.09	1.00
16.00	232	0.11	1.20
18.00	232	0.12	1.30
20.00	232	0.14	1.50
22.00	232		
24.00	232	0.16	1.90
30.00	150		2.50
36.00	150		3.50
42.00	100		4.50
48.00	100		5.20
54.00	50		
60.00	50		
66.00	50		
72.00	50		

Component Weights 20JF.E14
Rev 1.0B, Mar-31-2005

(also includes Series 20JF-C)

Table 20JF.E14M.1G

Component Weights (kg)

Size mm	Rating bar	O-Ring Gasket	Full-Face Gasket
25	16	0.01	0.05
38	16	0.01	0.05
51	16	0.01	0.05
64	16	0.01	0.05
76	16	0.01	0.09
102	16	0.02	0.14
152	16	0.02	0.18
203	16	0.03	0.23
254	16	0.03	0.32
305	16	0.04	0.41
356	16	0.04	0.45
406	16	0.05	0.54
457	16	0.05	0.59
508	16	0.06	0.68
559	16		
610	16	0.07	0.86
762	10		1.14
914	10		1.59
1067	7		2.04
1219	7		2.36
1372	3		
1524	3		
1676	3		
1829	3		

Component Weights 20JF.E14
Rev 1.0B, Mar-31-2005

(also includes Series 20JF-C)

Table 20JF.E14.1H

Component Weights (lbs)

(Pressure ratings are 200psig: 1" - 12")

Header Size in.	Fig.43 Reducing Tees						Fig.43 Reducing Tees					
	Size	(lb)	Size	(lb)	Size	(lb)	Size	(lb)	Size	(lb)	Size	(lb)
1.00												
1.50												
2.00												
2.50												
3.00												
4.00												
6.00												
8.00							NOT USED BY SERIES 20JF					
10.00												
12.00												
14.00												
16.00							NOT USED BY SERIES 20JF					
18.00												
20.00												
22.00												
24.00							NOT USED BY SERIES 20JF					
30.00												
36.00												
42.00												
48.00							NOT USED BY SERIES 20JF					
54.00												
60.00												
66.00												
72.00												

Component Weights 20JF.E14
Rev 1.0B, Mar-31-2005

(also includes Series 20JF-C)

Table 20JF.E14M.1H

Component Weights (kg)

(Pressure ratings are 13.8barg: 1" - 12")

Header Size mm	Fig.43 Reducing Tees			Fig.43 Reducing Tees						
	Size	(kg)	Size	(kg)	Size	(kg)	Size	(kg)	Size	(kg)
25										
38										
51										
64										
76										
102										
152										
203										
254										
305										
356										
406										
457										
508										
559										
610										
762										
914										
1067										
1219										
1372										
1524										
1676										
1829										
NOT USED BY SERIES 20JF										
NOT USED BY SERIES 20JF										
NOT USED BY SERIES 20JF										
NOT USED BY SERIES 20JF										

Component Weights 20JF.E14
Rev 1.0C, Jun-06-2005

(also includes Series 20JF-C)

Table 20JF.E14.11

Component Weights (lbs)

Size in.	Rating psi	Fig.10-O Orifice Flg	Fig.11 Van. "Stub"	Fig.17 Bleed Ring	Fig.18 1/4" Spc Ring	Fig.19FC Blind w/ FNPT	Fig.210,226 Wear Pad
1.00	150						0.5
1.50	150						0.7
2.00	150	5.4	8.0	2.3	0.4	3.3	0.8
2.50	150						
3.00	150	7.1	12.8	3.3	0.6	4.0	1.1
4.00	150	9.5	16.5	4.6	0.8	5.3	1.5
6.00	150	16.2	24.9	6.0	1.0	7.8	2.1
8.00	150	23.4	32.5	8.4	1.4	11.3	2.8
10.00	150	37.0	51.6	11.0	2.2	16.4	3.5
12.00	150	49.7	67.1	15.3	2.6	23.1	4.2
14.00	150						
16.00	150						
18.00	150						
20.00	150						
22.00	150						
24.00	150						
30.00	100						
36.00	100						
42.00	50						
48.00	50						
54.00	50						
60.00	50						
66.00	50						
72.00	50						

Component Weights 20JF.E14
Rev 1.0C, Jun-06-2005

(also includes Series 20JF-C)

Table 20JF.E14.1J
Component Weights (lbs)

Size in.	Rating psi	Fig.40PPF Tee w/ Flg	Fig.40X2 Tee w/ 2" Olet	Fig.70 Cross	Fig.47JF MNPT Olet	Fig.97 FNPT Olet
1.00	232			6.4	2.5	2.8
1.50	232			9.0	2.7	3.1
2.00	232			10.5		
2.50	232					
3.00	232		9.9	16.0		
4.00	232		12.5	22.2		
6.00	232		21.7	44.1		
8.00	232		37.9	86.6		
10.00	232		55.7	139.2		
12.00	232		86.6	227.2		
14.00	232					
16.00	232					
18.00	232					
20.00	232					
22.00	232					
24.00	232					
30.00	150					
36.00	150					
42.00	100					
48.00	100					
54.00	50					
60.00	50					
66.00	50					
72.00	50					

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(also includes Series 20JF-C)

Table 20JF.E14M.11

Component Weights (kg or kg per meter)

Size mm	Rating bar	Fig.10-O Orifice Flg	Fig.11 Van. "Stub"	Fig.17 Bleed Ring	Fig.18 1/4" Spc Ring	Fig.19FC Blind w/ FNPT	Fig.210,226 Wear Pad
25	10						0.2
38	10						0.3
51	10	2.5	3.6	1.0	0.2	1.5	0.4
64	10						
76	10	3.2	5.8	1.5	0.3	1.8	0.5
102	10	4.3	7.5	2.1	0.3	2.4	0.7
152	10	7.4	11.3	2.7	0.5	3.6	1.0
203	10	10.6	14.8	3.8	0.6	5.2	1.3
254	10	16.8	23.4	5.0	1.0	7.5	1.6
305	10	22.6	30.5	7.0	1.2	10.5	1.9
356	10						
406	10						
457	10						
508	10						
559	10						
610	10						
762	7						
914	7						
1067	3						
1219	3						
1372	3						
1524	3						
1676	3						
1829	3						

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Table 20JF.E14M.1J

Component Weights (kg or kg per meter)

Size mm	Rating bar	Fig.40PPF Tee w/ Flg	Fig.40X2 Tee w/ 2" Olet	Fig.70 Cross	Fig.47JF MNPT Olet	Fig.97 FNPT Olet
25	16			2.9	1.1	1.3
38	16			4.1	1.2	1.4
51	16			4.8		
64	16					
76	16		4.5	7.3		
102	16		5.7	10.1		
152	16		9.9	20.0		
203	16		17.2	39.3		
254	16		25.3	63.2		
305	16		39.3	103.1		
356	16					
406	16					
457	16					
508	16					
559	16					
610	16					
762	10					
914	10					
1067	7					
1219	7					
1372	3					
1524	3					
1676	3					
1829	3					