

Component Weights 20C.E14
Rev 1.0C, Apr-18-2005

Table 20C.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	150	1.0	1.4	0.9	0.2		2.4
1.50	150	1.3	1.6	1.0	0.4		3.4
2.00	150	1.5	2.4	1.6	0.7	0.3	2.0
2.50	150	1.9	3.0	2.0	0.9	0.4	2.4
3.00	150	2.2	3.5	2.3	1.5	0.8	3.4
4.00	150	2.9	4.8	3.3	2.6	1.3	5.0
6.00	150	4.3	8.9	6.0	5.8	2.9	9.2
8.00	150	7.8	13.8	8.6	11.6	5.8	16.7
10.00	150	9.6	20.7	12.7	22.4	11.2	29.9
12.00	150	13.1	30.6	19.7	35.2	17.6	44.9
14.00	150	17.1	41.1	24.0	64.8	32.4	115.3
16.00	150	21.6	53.9	32.3	90.0	45.0	166.6
18.00	150	28.9	68.6	39.7	127.5	63.8	228.4
20.00	150	34.7	83.8	49.2	165.7	82.9	284.8
22.00	150	41.0	97.8	56.8	200.9	100.4	359.5
24.00	150	47.8	120.0	72.2	274.9	137.5	445.8
30.00	100	51.5	166.4	102.0	368.4	184.2	525.0
36.00	100	70.9	277.0	188.4	611.3	305.7	820.2
42.00	50	50.3	240.0	177.1	494.5	247.3	587.1
48.00	50	63.5	340.8	245.6	741.0	370.5	840.8
54.00	50	84.9	505.0	377.6	1119.4	559.7	1305.4
60.00	50	101.9	780.4	576.5	1455.7	727.8	1649.1
66.00	50	120.4	988.8	748.0	1764.8	882.4	2014.8
72.00	50	140.4	1206.4	925.6	2013.6	1006.8	2357.9



Component Weights 20C.E14
 Rev 1.0C, Apr-18-2005

Table 20C.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	150	2.8	1.5		3.3		0.4
1.50	150	3.6	2.0	0.1	4.6		0.5
2.00	150	4.9	2.5	0.3	5.1	0.1	0.7
2.50	150	6.0	3.1	0.2	6.2	0.2	0.8
3.00	150	7.0	3.6	0.4	8.1	0.2	1.0
4.00	150	9.4	4.7	0.5	11.5	0.4	1.3
6.00	150	15.6	7.6	1.5	19.0	0.9	1.8
8.00	150	25.1	13.0	2.3	40.2	1.9	3.3
10.00	150	39.4	21.0	3.6	59.6	3.6	6.0
12.00	150	56.2	34.3	4.7	93.4	5.6	7.0
14.00	150	83.1	55.5	7.4	141.0	10.3	13.6
16.00	150	118.1	80.3	8.9	199.0	14.3	18.2
18.00	150	152.5	105.5	11.3	283.7	20.3	24.9
20.00	150	186.8	128.8	13.2	359.9	26.4	31.5
22.00	150	244.8	175.2	16.0	448.2	32.0	41.0
24.00	150	294.4	207.0	18.2	565.2	43.8	50.1
30.00	100	318.4	203.2	58.6	670.9	58.6	46.7
36.00	100	534.6	323.8	81.1	1097.9	97.3	74.2
42.00	50	346.0	159.9	56.2	800.6	78.7	31.3
48.00	50	479.5	222.1	73.7	1131.6	117.9	45.5
54.00	50	748.3	349.7	99.0	1723.0	178.2	72.9
60.00	50	1079.5	477.1	115.8	2260.6	231.7	92.2
66.00	50	1415.4	630.4	140.4	2737.2	280.9	120.1
72.00	50	1713.3	743.6	160.2	3200.1	320.5	146.6



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

Table 20C.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	10	1.5	0.6	0.4	0.1		1.1
38	10	2.0	0.7	0.4	0.2		1.6
51	10	2.3	1.1	0.7	0.3	0.2	0.9
64	10	2.8	1.4	0.9	0.4	0.2	1.1
76	10	3.3	1.6	1.1	0.7	0.3	1.5
102	10	4.4	2.2	1.5	1.2	0.6	2.3
152	10	6.4	4.0	2.7	2.6	1.3	4.2
203	10	11.6	6.3	3.9	5.3	2.6	7.6
254	10	14.4	9.4	5.8	10.2	5.1	13.6
305	10	19.5	13.9	9.0	16.0	8.0	20.4
356	10	25.5	18.7	10.9	29.4	14.7	52.4
406	10	32.2	24.5	14.7	40.8	20.4	75.7
457	10	43.0	31.2	18.0	57.9	28.9	103.7
508	10	51.7	38.1	22.3	75.2	37.6	129.3
559	10	61.1	44.4	25.8	91.2	45.6	163.2
610	10	71.2	54.5	32.8	124.8	62.4	202.4
762	7	76.7	75.5	46.3	167.3	83.6	238.4
914	7	105.6	125.8	85.5	277.6	138.8	372.4
1067	3	74.9	108.9	80.4	224.5	112.3	266.5
1219	3	94.5	154.7	111.5	336.4	168.2	381.7
1372	3	126.5	229.3	171.4	508.2	254.1	592.6
1524	3	151.8	354.3	261.7	660.9	330.4	748.7
1676	3	179.3	448.9	339.6	801.2	400.6	914.7
1829	3	209.1	547.7	420.2	914.2	457.1	1070.5



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

Table 20C.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	10	1.3	0.7		1.5		0.2
38	10	1.6	0.9	0.0	2.1		0.2
51	10	2.2	1.1	0.1	2.3	0.0	0.3
64	10	2.7	1.4	0.1	2.8	0.1	0.4
76	10	3.2	1.6	0.2	3.7	0.1	0.4
102	10	4.3	2.1	0.2	5.2	0.2	0.6
152	10	7.1	3.4	0.7	8.6	0.4	0.8
203	10	11.4	5.9	1.1	18.3	0.8	1.5
254	10	17.9	9.5	1.6	27.1	1.6	2.7
305	10	25.5	15.6	2.1	42.4	2.5	3.2
356	10	37.7	25.2	3.3	64.0	4.7	6.2
406	10	53.6	36.5	4.1	90.4	6.5	8.2
457	10	69.2	47.9	5.1	128.8	9.2	11.3
508	10	84.8	58.5	6.0	163.4	12.0	14.3
559	10	111.1	79.5	7.3	203.5	14.5	18.6
610	10	133.7	94.0	8.3	256.6	19.9	22.7
762	7	144.6	92.3	26.6	304.6	26.6	21.2
914	7	242.7	147.0	36.8	498.5	44.2	33.7
1067	3	157.1	72.6	25.5	363.5	35.7	14.2
1219	3	217.7	100.8	33.5	513.8	53.5	20.7
1372	3	339.7	158.8	44.9	782.2	80.9	33.1
1524	3	490.1	216.6	52.6	1026.3	105.2	41.9
1676	3	642.6	286.2	63.8	1242.7	127.5	54.5
1829	3	777.8	337.6	72.7	1452.8	145.5	66.6



Component Weights 20C.E14
 Rev 1.0B, Oct-15-2003

Table 20C.E14.1D

Component Weights (lbs or lbs per foot)

(Pressure ratings are 150psig: 1" - 24", 100psig: 30" - 36", 50psig: 42" 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	3.7	x 1.00	3.4			x 1.50	x 1.00				
2.50	x 2.00	4.4	x 1.50	4.3	x 1.00	4.0	x 2.00	x 1.50	x 1.00			
3.00	x 2.50	6.0	x 2.00	5.8	x 1.50	5.6	x 2.50	x 2.00		x 1.50		
4.00	x 3.00	9.0	x 2.50	8.4	x 2.00	8.1	x 3.00	x 2.50		x 2.00		
6.00	x 4.00	14.9	x 3.00	13.7	x 2.50	13.0	x 4.00	x 3.00		x 2.50		
8.00	x 6.00	31.7	x 4.00	29.3	x 3.00	28.2	x 6.00	x 4.00		x 3.00		
10.00	x 8.00	51.6	x 6.00	44.3	x 4.00	42.0	x 8.00	x 6.00		x 4.00		
12.00	x 10.00	76.1	x 8.00	69.8	x 6.00	62.6	x 10.00	x 8.00		x 6.00		
14.00	x 12.00	113.9	x 10.00	104.8	x 8.00	98.4	x 12.00	x 10.00		x 8.00		
16.00	x 14.00	157.9	x 12.00	143.6	x 10.00	134.4	x 14.00	x 12.00		x 10.00		
18.00	x 16.00		x 14.00	216.1	x 12.00	201.8	x 16.00	x 14.00		x 12.00		
20.00	x 18.00		x 16.00		x 14.00	262.5	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 20C.E14
 Rev 1.0C, Dec-12-2009

Table 20C.E14M.1D

Component Weights (kg or kg per meter)

(Pressure ratings are 10.3bar: 1" - 24", 6.9bar: 30" - 36", 3.4bar: 42" 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	1.7	x 25	1.6			x 38		x 25	
64	x 51	2.0	x 38	1.9	x 25	1.8	x 51		x 38	x 25
76	x 64	2.7	x 51	2.6	x 38	2.5	x 64		x 51	x 38
102	x 76	4.1	x 64	3.8	x 51	3.7	x 76		x 64	x 51
152	x 102	6.7	x 76	6.2	x 64	5.9	x 102		x 76	x 64
203	x 152	14.4	x 102	13.3	x 76	12.8	x 152		x 102	x 76
254	x 203	23.4	x 152	20.1	x 102	19.1	x 203		x 152	x 102
305	x 254	34.6	x 203	31.7	x 152	28.4	x 254		x 203	x 152
356	x 305	51.7	x 254	47.6	x 203	44.7	x 305		x 254	x 203
406	x 356	71.7	x 305	65.2	x 254	61.0	x 356		x 305	x 254
457	x 406		x 356	98.1	x 305	91.6	x 406		x 356	x 305
508	x 457		x 406		x 356	119.2	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 20C.E14
 Rev 1.0B, Oct-15-2003

Table 20C.E14.1E

Component Weights (lbs or lbs per foot)

(Pressure ratings are 150psig: 1" - 24", 100psig: 30" - 36", 50psig: 42" 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	3.9																						
2.00	4.1	5.0																					
2.50	4.4	5.3	6.8																				
3.00	4.7	5.7	7.1	8.4																			
4.00	5.3	6.3	7.8	9.2	10.4																		
6.00	6.4	7.6	9.2	10.7	12.0	15.1																	
8.00	9.3	10.7	12.6	14.4	16.1	19.8	28.6																
10.00	10.9	12.5	14.5	16.5	18.3	22.3	31.7	44.4															
12.00	13.8	15.6	18.0	20.2	22.3	26.9	37.5	51.4	70.0														
14.00	17.1	19.3	22.0	24.5	27.0	32.2	44.1	59.3	79.3	101.8													
16.00	20.8	23.4	26.5	29.4	32.2	38.2	51.6	68.3	89.8	113.7	147.9												
18.00	26.9	30.1	33.8	37.3	40.7	47.9	63.8	82.9	106.8	133.2	169.8	214.4											
20.00	31.7	35.4	39.6	43.6	47.5	55.7	73.5	94.5	120.4	148.7	187.2	233.8	279.7										
22.00	37.0	41.2	45.9	50.4	54.9	64.1	84.0	107.1	135.1	165.5	206.1	254.8	302.8	350.8									
24.00	42.7	47.4	52.7	57.8	62.8	73.1	95.3	120.7	150.9	183.6	226.5	277.4	327.7	378.0	451.9								
30.00	45.7	50.8	56.4	61.8	67.1	78.0	101.4	128.1	159.5	193.5	237.5	289.7	341.2	392.7	467.9	534.7							
36.00	61.9	68.6	75.8	82.8	89.7	103.9	133.8	166.9	204.9	245.3	295.8	354.5	412.5	470.4	552.0	625.3	720.2						
42.00	44.7	49.7	55.1	60.4	65.6	76.4	99.4	125.6	156.7	190.2	233.8	285.6	336.7	387.8	462.5	528.9	603.2	869.7					
48.00	55.7	61.8	68.3	74.8	81.1	94.0	121.4	152.0	187.5	225.4	273.5	329.6	385.1	440.6	519.7	590.6	678.0	957.7	832.5				
54.00	73.6	81.5	89.8	98.0	106.1	122.7	157.2	195.0	237.6	282.7	337.9	401.3	463.9	526.6	612.9	690.8	799.7	1100.9	997.3	1215.7			
60.00	87.8	97.0	106.8	116.4	125.9	145.3	185.5	228.9	277.2	328.0	388.8	457.8	526.1	594.5	686.4	770.0	895.9	1214.1	1127.4	1362.8	1733.4		
66.00	103.2	114.0	125.3	136.4	147.5	169.9	216.3	265.9	320.3	377.2	444.3	519.4	593.9	668.4	766.5	856.3	1000.6	1337.2	1269.0	1522.9	1912.0	2363.6	
72.00	119.8	132.3	145.2	158.1	170.8	196.6	249.6	305.9	366.9	430.5	504.2	586.0	667.2	748.3	853.0	949.5	1113.8	1470.5	1422.2	1696.1	2105.2	2576.8	

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

Table 20C.E14M.1E

Component Weights (kg or kg per meter)
 (Pressure ratings are 10.3bar: 1" - 24", 6.9bar: 30" - 36", 3.4bar: 42" and larger)

Header Size mm	Fig.46 Flanged 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	1.8																						
51	1.9	2.3																					
64	2.0	2.4	3.1																				
76	2.1	2.6	3.2	3.8																			
102	2.4	2.9	3.5	4.2	4.7																		
152	2.9	3.4	4.2	4.8	5.5	6.9																	
203	4.2	4.9	5.7	6.6	7.3	9.0	13.0																
254	4.9	5.7	6.6	7.5	8.3	10.1	14.4	20.2															
305	6.2	7.1	8.2	9.2	10.1	12.2	17.0	23.3	31.8														
356	7.8	8.8	10.0	11.1	12.2	14.6	20.0	26.9	36.0	46.2													
406	9.5	10.6	12.0	13.3	14.6	17.3	23.4	31.0	40.8	51.6	67.1												
457	12.2	13.7	15.3	16.9	18.5	21.8	29.0	37.6	48.5	60.5	77.1	97.4											
508	14.4	16.1	18.0	19.8	21.6	25.3	33.4	42.9	54.7	67.5	85.0	106.1	127.0										
559	16.8	18.7	20.8	22.9	24.9	29.1	38.1	48.6	61.3	75.1	93.6	115.7	137.5	159.3									
610	19.4	21.5	23.9	26.2	28.5	33.2	43.3	54.8	68.5	83.4	102.8	126.0	148.8	171.6	205.2								
762	20.8	23.1	25.6	28.0	30.5	35.4	46.1	58.2	72.4	87.8	107.8	131.5	154.9	178.3	212.4	242.7							
914	28.1	31.2	34.4	37.6	40.7	47.2	60.8	75.8	93.0	111.4	134.3	160.9	187.3	213.6	250.6	283.9	327.0						
1067	20.3	22.6	25.0	27.4	29.8	34.7	45.1	57.0	71.1	86.3	106.2	129.7	152.9	176.1	210.0	240.1	273.8	394.8					
1219	25.3	28.0	31.0	33.9	36.8	42.7	55.1	69.0	85.1	102.3	124.1	149.7	174.9	200.0	236.0	268.1	307.8	434.8	378.0				
1372	33.4	37.0	40.8	44.5	48.2	55.7	71.4	88.5	107.9	128.3	153.4	182.2	210.6	239.1	278.2	313.6	363.1	499.8	452.8	551.9			
1524	39.8	44.1	48.5	52.9	57.2	66.0	84.2	103.9	125.9	148.9	176.5	207.9	238.9	269.9	311.6	349.6	406.7	551.2	511.8	618.7	787.0		
1676	46.8	51.7	56.9	61.9	67.0	77.1	98.2	120.7	145.4	171.3	201.7	235.8	269.6	303.4	348.0	388.7	454.3	607.1	576.1	691.4	868.1	1073.1	
1829	54.4	60.1	65.9	71.8	77.5	89.2	113.3	138.9	166.6	195.4	228.9	266.0	302.9	339.7	387.3	431.1	505.7	667.6	645.7	770.0	955.8	1169.9	



Component Weights 20C.E14
 Rev 1.0B, Oct-15-2003

Table 20C.E14.1F

Component Weights (lbs or lbs per foot)

(Pressure ratings are 150psig: 1" - 24", 100psig: 30" - 36", 50psig: 42" 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	2.6																						
1.50	2.8	3.5																					
2.00	3.1	3.8	4.4																				
2.50																							
3.00	3.3	4.1	4.8	5.5																			
4.00	3.9	4.7	5.4	6.2	7.0																		
6.00	5.1	6.0	6.8	7.7	8.6	10.4																	
8.00	8.0	9.2	10.3	11.5	12.7	15.1	20.5																
10.00	9.5	10.9	12.2	13.5	14.9	17.6	23.7	32.3															
12.00	12.4	14.1	15.6	17.3	18.9	22.2	29.4	39.3	51.6														
14.00	15.7	17.7	19.6	21.6	23.6	27.5	36.1	47.2	60.8	79.9													
16.00	19.5	21.8	24.1	26.5	28.8	33.5	43.6	56.2	71.3	91.9	120.3												
18.00	25.6	28.5	31.4	34.4	37.3	43.2	55.7	70.8	88.4	111.4	142.2	176.6											
20.00	30.4	33.9	37.2	40.7	44.1	51.0	65.4	82.4	101.9	126.8	159.6	196.0	232.8										
22.00	35.7	39.6	43.5	47.5	51.4	59.4	75.9	95.0	116.6	143.6	178.5	217.0	255.9	292.8									
24.00	41.3	45.9	50.3	54.8	59.4	68.4	87.2	108.6	132.5	161.8	198.9	239.6	280.8	320.0	382.3								
30.00	44.4	49.2	54.0	58.8	63.7	73.3	93.4	116.0	141.1	171.6	209.9	251.9	294.3	334.7	398.3	447.3							
36.00	60.6	67.0	73.4	79.9	86.3	99.2	125.8	154.9	186.4	223.4	268.2	316.7	365.5	412.4	482.4	538.0	605.1						
42.00	43.4	48.1	52.8	57.5	62.2	71.7	91.3	113.6	138.2	168.3	206.3	247.8	289.8	329.8	392.9	441.6	488.0	658.8					
48.00	54.4	60.2	66.0	71.8	77.6	89.3	113.3	140.0	169.0	203.5	245.9	291.8	338.2	382.6	450.1	503.2	562.8	746.9	646.4				
54.00	72.3	79.9	87.5	95.1	102.7	117.9	149.2	182.9	219.2	260.8	310.3	363.4	417.0	468.5	543.3	603.5	684.6	890.1	811.2	958.3			
60.00	86.4	95.5	104.4	113.5	122.5	140.6	177.4	216.9	258.8	306.1	361.2	420.0	479.2	536.4	616.8	682.6	780.8	1003.2	941.3	1105.4	1334.9		
66.00	101.8	112.4	122.9	133.5	144.1	165.2	208.2	253.8	301.9	355.3	416.7	481.6	547.0	610.3	696.9	768.9	885.4	1126.4	1082.9	1265.5	1513.5	1761.3	
72.00	118.5	130.7	142.9	155.1	167.4	191.8	241.5	293.8	348.5	408.6	476.6	548.2	620.2	690.2	783.4	862.1	998.7	1259.6	1236.1	1438.7	1706.7	1974.4	

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

Table 20C.E14M.1F

Component Weights (kg or kg per meter)

(Pressure ratings are 10.3bar: 1" - 24", 6.9bar: 30" - 36", 3.4bar: 42" 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	1.2																						
51	1.3	1.6																					
64	1.4	1.7	2.0																				
76	1.5	1.9	2.2	2.5																			
102	1.8	2.1	2.5	2.8	3.2																		
152	2.3	2.7	3.1	3.5	3.9	4.7																	
203	3.6	4.2	4.7	5.2	5.8	6.8	9.3																
254	4.3	4.9	5.5	6.1	6.7	8.0	10.7	14.7															
305	5.6	6.4	7.1	7.8	8.6	10.1	13.4	17.8	23.4														
356	7.1	8.0	8.9	9.8	10.7	12.5	16.4	21.4	27.6	36.3													
406	8.8	9.9	10.9	12.0	13.1	15.2	19.8	25.5	32.4	41.7	54.6												
457	11.6	13.0	14.3	15.6	16.9	19.6	25.3	32.2	40.1	50.6	64.6	80.2											
508	13.8	15.4	16.9	18.5	20.0	23.1	29.7	37.4	46.3	57.6	72.5	89.0	105.7										
559	16.2	18.0	19.8	21.6	23.4	26.9	34.5	43.2	52.9	65.2	81.0	98.5	116.2	132.9									
610	18.8	20.8	22.8	24.9	27.0	31.1	39.6	49.3	60.1	73.4	90.3	108.8	127.5	145.3	173.6								
762	20.2	22.4	24.5	26.7	28.9	33.3	42.4	52.7	64.0	77.9	95.3	114.4	133.6	151.9	180.8	203.1							
914	27.5	30.4	33.3	36.3	39.2	45.1	57.1	70.3	84.6	101.4	121.8	143.8	166.0	187.2	219.0	244.2	274.7						
1067	19.7	21.8	24.0	26.1	28.3	32.5	41.5	51.6	62.7	76.4	93.6	112.5	131.6	149.7	178.4	200.5	221.6	299.1					
1219	24.7	27.3	30.0	32.6	35.2	40.5	51.5	63.5	76.7	92.4	111.6	132.5	153.5	173.7	204.4	228.4	255.5	339.1	293.5				
1372	32.8	36.3	39.7	43.2	46.6	53.5	67.7	83.1	99.5	118.4	140.9	165.0	189.3	212.7	246.6	274.0	310.8	404.1	368.3	435.1			
1524	39.2	43.3	47.4	51.5	55.6	63.8	80.6	98.5	117.5	139.0	164.0	190.7	217.6	243.5	280.0	309.9	354.5	455.5	427.3	501.8	606.0		
1676	46.2	51.0	55.8	60.6	65.4	75.0	94.5	115.2	137.0	161.3	189.2	218.6	248.3	277.1	316.4	349.1	402.0	511.4	491.6	574.5	687.1	799.6	
1829	53.8	59.3	64.9	70.4	76.0	87.1	109.7	133.4	158.2	185.5	216.4	248.9	281.6	313.4	355.7	391.4	453.4	571.9	561.2	653.1	774.8	896.4	



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

Table 20C.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 20C.E14
 Rev 1.0B, Mar-31-2005

Table 20C.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 20C.E14
 Rev 1.0B, Mar-31-2005

Table 20C.E14.1H

Component Weights (lbs)

(Pressure ratings are 150psig: 1" - 24", 100psig: 30" - 36", 50psig: 42" and larger)

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 20C					
10.00												
12.00												
14.00												
16.00							NOT USED BY SERIES 20C					
18.00												
20.00												
22.00												
24.00							NOT USED BY SERIES 20C					
30.00												
36.00												
42.00												
48.00							NOT USED BY SERIES 20C					
54.00												
60.00												
66.00												
72.00												

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

Table 20C.E14M.1H

Component Weights (kg)

(Pressure ratings are 10.3barg: 1" - 24", 6.9barg: 30" - 36", 3.4barg: 42" and larger)

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 20C										
NOT USED BY SERIES 20C										
NOT USED BY SERIES 20C										
NOT USED BY SERIES 20C										

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

Table 20C.E14.1I

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	4.8	1.6	2.3	0.4	3.3	0.8
2.50	150						
3.00	150	6.4	2.3	3.3	0.6	4.0	1.1
4.00	150	8.2	3.1	4.6	0.8	5.0	1.5
6.00	150	13.7	5.9	6.0	1.0	7.7	2.1
8.00	150	20.0	9.5	8.4	1.4	10.3	2.8
10.00	150	28.5	14.4	11.0	2.2	14.4	3.5
12.00	150	40.6	20.8	15.3	2.6	21.4	4.2
14.00	150	53.0	29.1			25.7	4.9
16.00	150	68.2	37.7			34.0	5.6
18.00	150	85.3	48.8			41.4	6.3
20.00	150	103.2	59.3			50.9	7.0
22.00	150	118.9	69.4			58.5	
24.00	150	145.3	83.9			73.9	8.3
30.00	100	201.5	115.4			103.7	10.4
36.00	100	325.4	182.8			190.1	12.5
42.00	50	299.4	151.4			178.8	14.5
48.00	50	415.6	218.0			247.3	16.6
54.00	50	598.0	316.2			379.3	
60.00	50	888.5	492.1			578.2	
66.00	50						
72.00	50						

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

Table 20C.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			2.8	2.4	1.7
1.50	232			4.1	3.0	2.3
2.00	232			4.8		
2.50	232					
3.00	232		7.4	7.7		
4.00	232		10.3	14.4		
6.00	232		16.4	30.3		
8.00	232		27.3	52.8		
10.00	232		43.4	97.9		
12.00	232		61.6	145.9		
14.00	232		141.6	207.2		
16.00	232		198.9	296.8		
18.00	232		262.7	391.5		
20.00	232		352.8	332.1		
22.00	232					
24.00	232		515.5	490.7		
30.00	150		603.2	887.7		
36.00	150		904.8	1366.4		
42.00	100		730.9	1039.0		
48.00	100		1053.5	1507.2		
54.00	50					
60.00	50					
66.00	50					
72.00	50					

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

Table 20C.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	2.2	0.7	1.0	0.2	1.5	0.4
64	10						
76	10	2.9	1.0	1.5	0.3	1.8	0.5
102	10	3.7	1.4	2.1	0.3	2.3	0.7
152	10	6.2	2.7	2.7	0.5	3.5	1.0
203	10	9.1	4.3	3.8	0.6	4.7	1.3
254	10	13.0	6.5	5.0	1.0	6.5	1.6
305	10	18.4	9.4	7.0	1.2	9.7	1.9
356	10	24.1	13.2			11.7	2.2
406	10	30.9	17.1			15.4	2.5
457	10	38.7	22.1			18.8	2.9
508	10	46.8	26.9			23.1	3.2
559	10	54.0	31.5			26.6	
610	10	66.0	38.1			33.6	3.8
762	7	91.5	52.4			47.1	4.7
914	7	147.7	83.0			86.3	5.7
1067	3	135.9	68.7			81.2	6.6
1219	3	188.7	99.0			112.3	7.5
1372	3	271.5	143.6			172.2	
1524	3	403.4	223.4			262.5	
1676	3						
1829	3						

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

Table 20C.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			1.3	1.1	0.8
38	16			1.9	1.4	1.0
51	16			2.2		
64	16					
76	16		3.4	3.5		
102	16		4.7	6.5		
152	16		7.4	13.8		
203	16		12.4	24.0		
254	16		19.7	44.4		
305	16		28.0	66.2		
356	16		64.3	94.1		
406	16		90.3	134.7		
457	16		119.3	177.7		
508	16		160.2	150.8		
559	16					
610	16		234.0	222.8		
762	10		273.9	403.0		
914	10		410.8	620.3		
1067	7		331.8	471.7		
1219	7		478.3	684.3		
1372	3					
1524	3					
1676	3					
1829	3					