

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

Table 20HV-D.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	100	0.8	1.4	0.9	0.2	0.1	2.4
1.50	100	1.1	1.6	1.0	0.4	0.2	3.4
2.00	100	1.2	2.0	1.3	0.7	0.3	2.0
2.50	100	1.5	2.6	1.7	0.9	0.4	2.4
3.00	100	1.8	3.1	2.0	1.5	0.8	3.4
4.00	100	2.4	4.3	2.8	2.6	1.3	5.0
6.00	100	3.5	7.1	4.3	5.8	2.9	9.2
8.00	100	4.6	11.0	7.2	10.2	5.1	14.6
10.00	100	5.7	17.0	11.1	15.9	7.9	21.2
12.00	100	8.4	22.8	15.8	25.9	12.9	32.9
14.00	100	9.8	33.9	20.5	43.4	21.7	78.1
16.00	100	13.2	45.4	28.0	62.1	31.1	117.6
18.00	100	14.8	53.4	33.9	78.4	39.2	136.8
20.00	100	19.0	67.5	43.3	113.6	56.8	180.2
22.00	100	23.7	77.8	48.3	143.5	71.7	221.1
24.00	100	25.9	94.0	61.9	199.9	99.9	278.9
30.00							
36.00							
42.00							
48.00							
54.00							
60.00							
66.00							
72.00							

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

Table 20HV-D.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	100	2.8	1.5		3.3		0.4
1.50	100	3.6	2.0	0.1	4.6		0.5
2.00	100	4.6	2.5	0.3	5.1	0.1	0.7
2.50	100	5.6	3.1	0.2	6.2	0.2	0.8
3.00	100	6.6	3.6	0.4	8.1	0.2	1.0
4.00	100	8.9	4.7	0.5	11.5	0.4	1.3
6.00	100	13.9	7.6	1.5	19.0	0.9	1.8
8.00	100	19.8	10.0	2.0	29.8	1.6	2.4
10.00	100	27.9	13.5	2.5	41.7	2.5	3.0
12.00	100	35.4	18.5	3.4	56.5	4.1	3.9
14.00	100	53.3	31.3	4.9	98.2	6.9	6.5
16.00	100	79.0	48.2	6.2	143.7	9.9	9.2
18.00	100	91.1	54.0	6.9	174.1	12.5	10.4
20.00	100	118.9	71.3	9.0	232.6	18.1	15.1
22.00	100	142.5	88.7	11.4	284.9	22.8	21.1
24.00	100	188.6	118.6	13.3	359.0	31.8	26.9
30.00							
36.00							
42.00							
48.00							
54.00							
60.00							
66.00							
72.00							

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

Table 20HV-D.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	7	1.2	0.6	0.4	0.1	0.0	1.1
38	7	1.6	0.7	0.4	0.2	0.1	1.6
51	7	1.8	0.9	0.6	0.3	0.2	0.9
64	7	2.3	1.2	0.8	0.4	0.2	1.1
76	7	2.7	1.4	0.9	0.7	0.3	1.5
102	7	3.5	2.0	1.3	1.2	0.6	2.3
152	7	5.2	3.2	1.9	2.6	1.3	4.2
203	7	6.9	5.0	3.3	4.6	2.3	6.6
254	7	8.6	7.7	5.0	7.2	3.6	9.6
305	7	12.5	10.4	7.2	11.7	5.9	14.9
356	7	14.6	15.4	9.3	19.7	9.9	35.5
406	7	19.7	20.6	12.7	28.2	14.1	53.4
457	7	22.1	24.2	15.4	35.6	17.8	62.1
508	7	28.3	30.6	19.6	51.6	25.8	81.8
559	7	35.3	35.3	21.9	65.1	32.6	100.4
610	7	38.5	42.7	28.1	90.7	45.4	126.6
762							
914							
1067							
1219							
1372							
1524							
1676							
1829							

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

Table 20HV-D.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	7	1.3	0.7		1.5		0.2
38	7	1.6	0.9	0.0	2.1		0.2
51	7	2.1	1.1	0.1	2.3	0.0	0.3
64	7	2.6	1.4	0.1	2.8	0.1	0.4
76	7	3.0	1.6	0.2	3.7	0.1	0.4
102	7	4.0	2.1	0.2	5.2	0.2	0.6
152	7	6.3	3.4	0.7	8.6	0.4	0.8
203	7	9.0	4.5	0.9	13.5	0.7	1.1
254	7	12.7	6.1	1.1	18.9	1.1	1.4
305	7	16.1	8.4	1.6	25.6	1.9	1.8
356	7	24.2	14.2	2.2	44.6	3.1	2.9
406	7	35.9	21.9	2.8	65.2	4.5	4.2
457	7	41.3	24.5	3.1	79.1	5.7	4.7
508	7	54.0	32.4	4.1	105.6	8.2	6.9
559	7	64.7	40.3	5.2	129.4	10.4	9.6
610	7	85.6	53.8	6.0	163.0	14.4	12.2
762							
914							
1067							
1219							
1372							
1524							
1676							
1829							

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

Table 20HV-D.E14.1D

Component Weights (lbs or lbs per foot)
 (Pressure ratings are 100psig: 1" - 24", 50psig: 30" and larger)

Size in.	Fig.88 Reducing Lateral (includes header pipe)									
	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	2.9	x 1.00	2.7			x 1.50	x 1.00		
2.50	x 2.00	3.6	x 1.50	3.4	x 1.00	3.2	x 2.00	x 1.50	x 1.00	
3.00	x 2.50	4.9	x 2.00	4.6	x 1.50	4.5	x 2.50	x 2.00		x 1.50
4.00	x 3.00	7.3	x 2.50	6.8	x 2.00	6.5	x 3.00	x 2.50		x 2.00
6.00	x 4.00	12.1	x 3.00	11.1	x 2.50	10.6	x 4.00	x 3.00		x 2.50
8.00	x 6.00	20.0	x 4.00	18.1	x 3.00	17.2	x 6.00	x 4.00		x 3.00
10.00	x 8.00	30.7	x 6.00	27.6	x 4.00	25.7	x 8.00	x 6.00		x 4.00
12.00	x 10.00	47.8	x 8.00	44.1	x 6.00	41.0	x 10.00	x 8.00		x 6.00
14.00	x 12.00	67.1	x 10.00	60.4	x 8.00	56.6	x 12.00	x 10.00		x 8.00
16.00	x 14.00	94.9	x 12.00	88.6	x 10.00	81.9	x 14.00	x 12.00		x 10.00
18.00	x 16.00		x 14.00	113.6	x 12.00	107.3	x 16.00	x 14.00		x 12.00
20.00	x 18.00		x 16.00		x 14.00	144.9	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 20HV-D.E14
 Rev 1.0B, Dec-12-2009

Table 20HV-D.E14M.1D

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

Size mm	Fig.88 Reducing Lateral (includes header pipe)									
	Size	(lb)	Size	(lb)	Size	(lb)	Size	(lb)	Size	(lb)
25	x 25						x 25			
38	x 38	1.3	x 25	1.2			x 38		x 25	
51	x 51	1.6	x 38	1.5	x 25	1.5	x 51		x 38	x 25
64										
76	x 64	2.2	x 51	2.1	x 38	2.0	x 64		x 51	x 38
102	x 76	3.3	x 64	3.1	x 51	3.0	x 76	x 64		x 51
152	x 102	5.5	x 76	5.0	x 64	4.8	x 102		x 76	x 64
203	x 152	9.1	x 102	8.2	x 76	7.8	x 152		x 102	x 76
254	x 203	13.9	x 152	12.5	x 102	11.7	x 203		x 152	x 102
305	x 254	21.7	x 203	20.0	x 152	18.6	x 254		x 203	x 152
356	x 305	30.5	x 254	27.4	x 203	25.7	x 305		x 254	x 203
406	x 356	43.1	x 305	40.2	x 254	37.2	x 356		x 305	x 254
457	x 406		x 356	51.6	x 305	48.7	x 406		x 356	x 305
508	x 457		x 406		x 356	65.8	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 20HV-D.E14
 Rev 1.0A, Oct-15-2001

Table 20HV-D.E14.1E

Component Weights (lbs or lbs per foot)
 (Pressure ratings are 100psig: 1" - 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	3.7																					
1.50	3.9	4.7																				
2.00	4.1	5.0	6.1																			
2.50																						
3.00	4.3	5.3	6.4	7.6																		
4.00	4.8	5.8	6.9	8.2	9.4																	
6.00	5.7	6.8	8.0	9.4	10.7	13.6																
8.00	6.7	7.8	9.2	10.6	12.0	15.1	21.6															
10.00	7.6	8.9	10.3	11.9	13.3	16.6	23.4	31.3														
12.00	9.8	11.3	12.9	14.7	16.4	20.1	27.8	36.6	47.5													
14.00	11.0	12.6	14.3	16.2	18.0	22.0	30.2	39.4	50.7	61.5												
16.00	13.8	15.7	17.8	19.9	22.0	26.5	35.9	46.2	58.7	70.6	92.9											
18.00	15.2	17.2	19.4	21.7	24.0	28.7	38.6	49.5	62.5	75.0	97.9	128.5										
20.00	18.7	21.1	23.6	26.2	28.8	34.3	45.6	57.8	72.3	86.1	110.4	142.4	160.8									
22.00	22.6	25.3	28.3	31.3	34.3	40.5	53.4	67.2	83.2	98.6	124.4	158.0	178.0	213.7								
24.00	24.4	27.3	30.4	33.6	36.8	43.4	56.9	71.5	88.2	104.3	130.9	165.2	185.9	222.3	254.5							
30.00	2.8	3.6	4.6	5.6	6.6	8.9	13.9	19.8	27.9	35.4	53.3	79.0	91.1	118.9	142.5	188.6						
36.00	2.8	3.6	4.6	5.6	6.6	8.9	13.9	19.8	27.9	35.4	53.3	79.0	91.1	118.9	142.5	188.6						
42.00	2.8	3.6	4.6	5.6	6.6	8.9	13.9	19.8	27.9	35.4	53.3	79.0	91.1	118.9	142.5	188.6						
48.00	2.8	3.6	4.6	5.6	6.6	8.9	13.9	19.8	27.9	35.4	53.3	79.0	91.1	118.9	142.5	188.6						
54.00	2.8	3.6	4.6	5.6	6.6	8.9	13.9	19.8	27.9	35.4	53.3	79.0	91.1	118.9	142.5	188.6						
60.00	2.8	3.6	4.6	5.6	6.6	8.9	13.9	19.8	27.9	35.4	53.3	79.0	91.1	118.9	142.5	188.6						
66.00	2.8	3.6	4.6	5.6	6.6	8.9	13.9	19.8	27.9	35.4	53.3	79.0	91.1	118.9	142.5	188.6						
72.00	2.8	3.6	4.6	5.6	6.6	8.9	13.9	19.8	27.9	35.4	53.3	79.0	91.1	118.9	142.5	188.6						

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

Table 20HV-D.E14M.1E

Component Weights (kg or kg per meter)
 (Pressure ratings are 6.9bar: 1" - 24", 3.4bar: 30" 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	1.7																						
51	1.8	2.2																					
64	1.9	2.3	2.8																				
76	2.0	2.4	2.9	3.4																			
102	2.2	2.6	3.1	3.7	4.3																		
152	2.6	3.1	3.7	4.3	4.9	6.2																	
203	3.0	3.6	4.2	4.8	5.5	6.8	9.8																
254	3.5	4.0	4.7	5.4	6.1	7.5	10.6	14.2															
305	4.5	5.1	5.9	6.7	7.5	9.1	12.6	16.6	21.6														
356	5.0	5.7	6.5	7.4	8.2	10.0	13.7	17.9	23.0	27.9													
406	6.3	7.1	8.1	9.0	10.0	12.0	16.3	21.0	26.7	32.0	42.2												
457	6.9	7.8	8.8	9.9	10.9	13.0	17.5	22.5	28.4	34.0	44.4	58.3											
508	8.5	9.6	10.7	11.9	13.1	15.6	20.7	26.3	32.8	39.1	50.1	64.7	73.0										
559	10.3	11.5	12.8	14.2	15.6	18.4	24.2	30.5	37.8	44.8	56.5	71.7	80.8	97.0									
610	11.1	12.4	13.8	15.3	16.7	19.7	25.9	32.5	40.0	47.4	59.4	75.0	84.4	100.9	115.5								
762	1.3	1.6	2.1	2.6	3.0	4.0	6.3	9.0	12.7	16.1	24.2	35.9	41.3	54.0	64.7	85.6							
914	1.3	1.6	2.1	2.6	3.0	4.0	6.3	9.0	12.7	16.1	24.2	35.9	41.3	54.0	64.7	85.6							
1067	1.3	1.6	2.1	2.6	3.0	4.0	6.3	9.0	12.7	16.1	24.2	35.9	41.3	54.0	64.7	85.6							
1219	1.3	1.6	2.1	2.6	3.0	4.0	6.3	9.0	12.7	16.1	24.2	35.9	41.3	54.0	64.7	85.6							
1372	1.3	1.6	2.1	2.6	3.0	4.0	6.3	9.0	12.7	16.1	24.2	35.9	41.3	54.0	64.7	85.6							
1524	1.3	1.6	2.1	2.6	3.0	4.0	6.3	9.0	12.7	16.1	24.2	35.9	41.3	54.0	64.7	85.6							
1676	1.3	1.6	2.1	2.6	3.0	4.0	6.3	9.0	12.7	16.1	24.2	35.9	41.3	54.0	64.7	85.6							
1829	1.3	1.6	2.1	2.6	3.0	4.0	6.3	9.0	12.7	16.1	24.2	35.9	41.3	54.0	64.7	85.6							

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

Table 20HV-D.E14.1F

Component Weights (lbs or lbs per foot)
 (Pressure ratings are 100psig: 1" - 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	2.4																					
1.50	2.5	3.2																				
2.00	2.8	3.4	4.0																			
2.50																						
3.00	3.0	3.7	4.3	5.0																		
4.00	3.5	4.2	4.9	5.6	6.4																	
6.00	4.4	5.2	6.0	6.8	7.7	9.3																
8.00	5.3	6.3	7.1	8.1	9.0	10.8	15.3															
10.00	6.3	7.3	8.3	9.3	10.3	12.3	17.1	21.5														
12.00	8.5	9.7	10.9	12.2	13.4	15.9	21.6	26.8	33.1													
14.00	9.6	11.0	12.3	13.7	15.0	17.7	23.9	29.5	36.3	44.6												
16.00	12.5	14.1	15.7	17.4	19.0	22.3	29.6	36.4	44.3	53.7	70.9											
18.00	13.9	15.7	17.4	19.2	20.9	24.5	32.3	39.7	48.1	58.1	75.8	97.7										
20.00	17.3	19.5	21.5	23.7	25.8	30.0	39.3	48.0	57.9	69.3	88.3	111.6	123.8									
22.00	21.2	23.8	26.2	28.7	31.3	36.3	47.1	57.4	68.8	81.7	102.4	127.2	140.9	166.1								
24.00	23.0	25.7	28.4	31.1	33.8	39.2	50.7	61.7	73.8	87.5	108.8	134.4	148.8	174.7	200.7							
30.00	1.5	2.0	2.5	3.1	3.6	4.7	7.6	10.0	13.5	18.5	31.3	48.2	54.0	71.3	88.7	118.6						
36.00	1.5	2.0	2.5	3.1	3.6	4.7	7.6	10.0	13.5	18.5	31.3	48.2	54.0	71.3	88.7	118.6						
42.00	1.5	2.0	2.5	3.1	3.6	4.7	7.6	10.0	13.5	18.5	31.3	48.2	54.0	71.3	88.7	118.6						
48.00	1.5	2.0	2.5	3.1	3.6	4.7	7.6	10.0	13.5	18.5	31.3	48.2	54.0	71.3	88.7	118.6						
54.00	1.5	2.0	2.5	3.1	3.6	4.7	7.6	10.0	13.5	18.5	31.3	48.2	54.0	71.3	88.7	118.6						
60.00	1.5	2.0	2.5	3.1	3.6	4.7	7.6	10.0	13.5	18.5	31.3	48.2	54.0	71.3	88.7	118.6						
66.00	1.5	2.0	2.5	3.1	3.6	4.7	7.6	10.0	13.5	18.5	31.3	48.2	54.0	71.3	88.7	118.6						
72.00	1.5	2.0	2.5	3.1	3.6	4.7	7.6	10.0	13.5	18.5	31.3	48.2	54.0	71.3	88.7	118.6						

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

Table 20HV-D.E14M.1F

Component Weights (kg or kg per meter)
 (Pressure ratings are 6.9bar: 1" - 24", 3.4bar: 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	1.1																						
51	1.1	1.4																					
64	1.2	1.6	1.8																				
76	1.4	1.7	2.0	2.3																			
102	1.6	1.9	2.2	2.6	2.9																		
152	2.0	2.4	2.7	3.1	3.5	4.2																	
203	2.4	2.8	3.2	3.7	4.1	4.9	6.9																
254	2.8	3.3	3.8	4.2	4.7	5.6	7.8	9.7															
305	3.8	4.4	5.0	5.5	6.1	7.2	9.8	12.1	15.0														
356	4.4	5.0	5.6	6.2	6.8	8.1	10.8	13.4	16.5	20.3													
406	5.7	6.4	7.1	7.9	8.6	10.1	13.4	16.5	20.1	24.4	32.2												
457	6.3	7.1	7.9	8.7	9.5	11.1	14.7	18.0	21.9	26.4	34.4	44.4											
508	7.9	8.8	9.8	10.7	11.7	13.6	17.8	21.8	26.3	31.4	40.1	50.7	56.2										
559	9.6	10.8	11.9	13.0	14.2	16.5	21.4	26.0	31.2	37.1	46.5	57.7	64.0	75.4									
610	10.5	11.7	12.9	14.1	15.3	17.8	23.0	28.0	33.5	39.7	49.4	61.0	67.6	79.3	91.1								
762	0.7	0.9	1.1	1.4	1.6	2.1	3.4	4.5	6.1	8.4	14.2	21.9	24.5	32.4	40.3	53.8							
914	0.7	0.9	1.1	1.4	1.6	2.1	3.4	4.5	6.1	8.4	14.2	21.9	24.5	32.4	40.3	53.8							
1067	0.7	0.9	1.1	1.4	1.6	2.1	3.4	4.5	6.1	8.4	14.2	21.9	24.5	32.4	40.3	53.8							
1219	0.7	0.9	1.1	1.4	1.6	2.1	3.4	4.5	6.1	8.4	14.2	21.9	24.5	32.4	40.3	53.8							
1372	0.7	0.9	1.1	1.4	1.6	2.1	3.4	4.5	6.1	8.4	14.2	21.9	24.5	32.4	40.3	53.8							
1524	0.7	0.9	1.1	1.4	1.6	2.1	3.4	4.5	6.1	8.4	14.2	21.9	24.5	32.4	40.3	53.8							
1676	0.7	0.9	1.1	1.4	1.6	2.1	3.4	4.5	6.1	8.4	14.2	21.9	24.5	32.4	40.3	53.8							
1829	0.7	0.9	1.1	1.4	1.6	2.1	3.4	4.5	6.1	8.4	14.2	21.9	24.5	32.4	40.3	53.8							



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

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

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

Table 20HV-D.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 20HV-D					
10.00												
12.00												
14.00												
16.00							NOT USED BY SERIES 20HV-D					
18.00												
20.00												
22.00												
24.00							NOT USED BY SERIES 20HV-D					
30.00												
36.00												
42.00												
48.00							NOT USED BY SERIES 20HV-D					
54.00												
60.00												
66.00												
72.00												

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

Table 20HV-D.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 20HV-D										
NOT USED BY SERIES 20HV-D										
NOT USED BY SERIES 20HV-D										
NOT USED BY SERIES 20HV-D										

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

Table 20HV-D.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	4.3	1.4	2.3	0.4	3.0	0.8
2.50	150						
3.00	150	5.7	2.1	3.3	0.6	3.7	1.1
4.00	150	7.6	2.9	4.6	0.8	4.5	1.5
6.00	150	11.6	5.0	6.0	1.0	6.0	2.1
8.00	150	16.9	7.4	8.4	1.4	8.9	2.8
10.00	150	24.6	11.4	11.0	2.2	12.8	3.5
12.00	150	32.4	14.9	15.3	2.6	17.5	4.2
14.00	150	45.4	23.6			22.2	4.9
16.00	150	59.3	31.4			29.7	5.6
18.00	150	69.7	36.4			35.6	6.3
20.00	150	85.5	45.8			45.0	7.0
22.00	150	98.3	53.6			50.0	
24.00	150	118.8	63.0			63.6	8.3
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 20HV-D.E14
 Rev 1.0B, Mar-31-2005

Table 20HV-D.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			3.7	2.4	1.7
1.50	232			5.3	3.0	2.3
2.00	232			6.4		
2.50	232					
3.00	232		7.9	9.8		
4.00	232		9.5	13.8		
6.00	232		13.7	23.1		
8.00	232		19.1	34.2		
10.00	232		25.7	47.1		
12.00	232		37.4	66.6		
14.00	232		82.6	114.2		
16.00	232		122.1	174.7		
18.00	232		141.3	202.4		
20.00	232		184.7	267.9		
22.00	232			330.0		
24.00	232		283.4	424.0		
30.00	150					
36.00	150					
42.00	100					
48.00	100					
54.00	50					
60.00	50					
66.00	50					
72.00	50					

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

Table 20HV-D.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	2.0	0.6	1.0	0.2	1.4	0.4
64	10						
76	10	2.6	1.0	1.5	0.3	1.7	0.5
102	10	3.5	1.3	2.1	0.3	2.1	0.7
152	10	5.3	2.3	2.7	0.5	2.7	1.0
203	10	7.7	3.4	3.8	0.6	4.0	1.3
254	10	11.2	5.2	5.0	1.0	5.8	1.6
305	10	14.7	6.8	7.0	1.2	8.0	1.9
356	10	20.6	10.7			10.1	2.2
406	10	26.9	14.2			13.5	2.5
457	10	31.6	16.5			16.2	2.9
508	10	38.8	20.8			20.4	3.2
559	10	44.7	24.3			22.7	
610	10	53.9	28.6			28.9	3.8
762	7						
914	7						
1067	3						
1219	3						
1372	3						
1524	3						
1676	3						
1829	3						

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

Table 20HV-D.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			1.7	1.1	0.8
38	16			2.4	1.4	1.0
51	16			2.9		
64	16					
76	16		3.6	4.5		
102	16		4.3	6.3		
152	16		6.2	10.5		
203	16		8.7	15.5		
254	16		11.7	21.4		
305	16		17.0	30.2		
356	16		37.5	51.8		
406	16		55.4	79.3		
457	16		64.2	91.9		
508	16		83.9	121.6		
559	16			149.8		
610	16		128.7	192.5		
762	10					
914	10					
1067	7					
1219	7					
1372	3					
1524	3					
1676	3					
1829	3					