

Metric Dimensions

		1.5" Header			2.0" Header		
Size/ Part #		4 x 12 c15ts12	4 x 10 c15ts10	4 x 8 c15ts08	4 x 12 c20ts12	4 x 10 c20ts10	4 x 8 c20ts08
Dimension	<i>units</i>						
nominal size							
overall length	m	3.64	3.03	2.42	3.62	3.05	2.44
absorber width	m	1.21	1.21	1.21	1.21	1.21	1.21
header length	m	1.29	1.29	1.29	1.29	1.29	1.29
header outside diam.	cm	4.83	4.83	4.83	5.87	5.87	5.87
header inside diam.	cm	3.76	3.76	3.76	4.80	4.80	4.80
gross area	sq m	4.407	3.677	2.928	4.434	3.704	2.955
net area	sq m	4.399	3.67	2.921	4.424	3.695	2.946
# of flow channels		104	104	104	104	104	104
nominal hole size	mm	3.96	3.96	3.96	3.96	3.96	3.96
Weight							
dry	kg	13.15	10.98	8.62	13.61	11.34	9.07
wet	kg	28.35	24.31	20.28	29.21	25.18	21.14
wet dispersed	kg/sq m	0.60	0.62	0.64	0.61	0.63	0.66
fluid capacity	L	15.26	13.48	11.70	15.63	13.86	12.07
Flow rates							
max	L/min	37.86	37.86	37.86	37.86	37.86	37.86
min	L/min	11.36	9.46	9.46	11.36	9.46	9.46
Recommended	panels	18.55	18.55	18.55	18.55	18.55	18.55
max # panels in parallel		7	9	11	10	12	14
Pressure							
drop	atm	0.0102	0.0102	0.0102	0.0102	0.0102	0.0102
max. test	atm	5.44	5.44	5.44	5.44	5.44	5.44
max. operating range	atm	+/- .67	+/- .67	+/- .67	+/- .67	+/- .67	+/- .67
max. operating spike	atm	2.38	2.38	2.38	2.38	2.38	2.38
Performance							
FSEC Certification	KWh/day	13.31	11.11	8.85	13.36	11.17	8.91
Wind Resistance	kmh	240	240	240	240	240	240

Metric - Oversized Panels

		1.5" Header			2.0" Header		
Size/ Part #	units	4 x 14 c15ts14	4 x 15 c15ts15	4 x 16 c15ts16	4 x 14 c20ts14	4 x 15 c20ts15	4 x 16 c20ts16
		Dimension					
overall length	m	4.25	4.55	4.86	4.27	4.57	4.88
absorber width	m	1.21	1.21	1.21	1.21	1.21	1.21
header length	m	1.29	1.29	1.29	1.29	1.29	1.29
header outside diam.	cm	4.83	4.83	4.83	5.87	5.87	5.87
header inside diam.	cm	3.76	3.76	3.76	4.80	4.80	4.80
gross area	sq m	5.48	5.87	6.26	5.50	5.89	6.29
net area	sq m	5.14	5.51	5.88	5.17	5.53	5.90
# of flow channels		96	96	96	96	96	96
nominal hole size	mm	3.96	3.96	3.96	3.96	3.96	3.96
Weight							
dry	kg	15.55	16.56	17.57	16.01	17.02	18.03
wet	kg	33.80	35.91	38.02	36.05	38.15	40.25
wet dispersed	kg/sq m	6.57	6.52	6.47	6.98	6.90	6.82
fluid capacity	L	18.26	19.36	20.45	20.04	21.14	22.23
Flow rates							
max	L/min	37.86	37.86	37.86	37.86	37.86	37.86
min	L/min	11.36	11.36	11.36	11.36	11.36	11.36
Recommended	panels	18.55	18.55	18.55	18.55	18.55	18.55
max # panels in parallel		7	6	5	10	9	8
Pressure							
drop	atm	0.0102	0.0102	0.0102	0.0102	0.0102	0.0102
max. test	atm	5.44	5.44	5.44	5.44	5.44	5.44
max. operating range	atm	+/- .67	+/- .67	+/- .67	+/- .67	+/- .67	+/- .67
max. operating spike	atm	2.38	2.38	2.38	2.38	2.38	2.38
Performance							
FSEC Certification	KWh/day						
Wind Resistance	kmh	240	240	240	240	240	240