



# Technical Specifications

## ◆ Dimensions

Panel Size	1.5" I.D. Header			2" I.D. Header		
	4'x8'	4'x10'	4'x12'	4'x8'	4'x10'	4'x12'
Overall Panel Length	8'	10'	12'	8'	10'	12'
Absorber Plate Width	47"	47"	47"	47"	47"	47"
Header Width	50.5"	50.5"	50.5"	50.5"	50.5"	50.5"
Header O.D.	1.9"	1.9"	1.9"	2.4"	2.4"	2.4"
Header I.D.	1.5"	1.5"	1.5"	2"	2"	2"
Total Panel Area	31.4	39.3	47.3	31.4	39.3	47.3

## ◆ Weights

Dry Weight	14.3 lbs	17.1 lbs	21.3 lbs	15.3 lbs	18.1 lbs	22.3 lbs
Filled Weight	35.1 lbs	41.6 lbs	48 lbs	41.1 lbs	47.6 lbs	54 lbs
Filled Weight Per Sq Ft	1.12 lbs	1.06 lbs	1.01 lbs	1.31 lbs	1.2 lbs	1.14 lbs
Fluid Capacity	2.5 gal	2.9 gal	3.2 gal	3.1 gal	3.5 gal	3.8 gal

## ◆ Flow Rates

Maximum GPM	10 GPM	10 GPM	10 GPM	10 GPM	10 GPM	10 GPM
Minimum GPM	2.5 GPM	2.5 GPM	3 GPM	2.5 GPM	2.5 GPM	3 GPM
Recommended GPM	3.3 GPM	4 GPM	5 GPM	3.3 GPM	4 GPM	5 GPM
Max # Of Panels Per Row	12	12	10	14	14	12

## ◆ Thermal Performance

BTU's Per Standard Day	31,500	39,300	47,200	31,500	39,300	47,200
Thermal Perf. Equation	$n = 85.8 - 3.42$					
Incident Angle Modifier	$K_{qr} = 1.0 - 0.03$					

## ◆ Pressures

- ◆ Pressure Drop: 0.30 ft Head Loss @ Recommended GPM • 0.20 ft Head Loss @ Min. GPM ◆
- ◆ Maximum Fluid Pressure: 85 PSI @ 80°F • Recommended Operating Pressure: 35 PSI @ 140°F ◆

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