



# Parshall

**GAUGE READINGS**  
1 Share — .0125 Cubic Foot per Second

No. Shares M.V.I.	Quantity In Cu.F.S.	3-IN.	6-IN.	9-IN.	12-IN.
2	.025	.1			
4	.050	.15	.1		
6	.075	.19	.12		
8	.100	.23	.15		
10	.125	.26	.17		
12	.150	.29	.19	.14	
14	.175	.33	.21	.16	
16	.200	.36	.23	.17	
18	.225	.39	.25	.18	
20	.250	.41	.26	.20	
22	.275	.44	.27	.21	
24	.300	.46	.29	.22	
26	.325	.49	.31	.23	
28	.350	.51	.33	.24	.20
30	.375	.53	.34	.27	.21
32	.400	.56	.36	.26	.22
34	.425	.58	.37	.27	.23
36	.450	.60	.38	.28	.24
38	.475	.62	.39	.29	.25

## How to Measure Water Through A Parshall Flume

- 1) Take the number of shares
- 2) Go across to the size of the parshall
- 3) This will give you the number your staff gauge should be reading.

Example:

2 shares for a 3-inch parshall  
= .1 on the staff gauge

Staff gauges are read in 1/10<sup>th</sup> of a foot

The staff gauge is located on the inlet side of the parshall.

## Recommendations

Parshall	# of Shares	Recommended	Size
3"	0 to 80	Over 54 shares	6"
6"	0 to 160	Over 107 shares	9"
9"	0 to 240	Over 160 shares	12"
12"	0 to 320	Over 214 shares	Ask for available sizes

All the listed parshall(s) are one-foot in depth.  
Throat widths available one inch to 10 feet and larger  
Do not run the flume full. Allow at least 3" freeboard.