

# CONTINUOUS CASTING

## SA



A = Air flow (scfm)  
W = water flow (gpm)

### ATOMIZER SET-UPS

The atomizer set-ups determines the basic performances of the atomizer, that is spray angle, water capacity and air capacity.

The assembly of a given set-up onto one of the different body style available makes a complete air atomizer.

### Material

They can be supplied in Brass, 303 or 316 stainless steel.

## AIR ATOMIZERS / SET-UP TABLES

### FULL CONE SET-UPS

Full cone atomizers are preferably used for machines casting billets, with a relative low flow rate and spray angles between 30 and 90 degrees.

Tip Code	Air pressures (psi)								
	30		36		45				
	W	A	W	A	W	A			
SAF 3276	30	1.11	9.95	30	1.38	9.33	30	1.72	8.71
	36	0.93	13.7	36	1.27	13.1	36	1.53	11.8
	45	0.68	18.7	45	0.95	16.2	45	1.27	16.2
SAQ 3276	30	1.11	9.95	30	1.38	9.33	30	1.72	8.71
	36	0.93	13.7	36	1.27	13.1	36	1.53	11.8
	45	0.68	18.7	45	0.95	16.2	45	1.27	16.2
SAU 3156	30	0.53	7.40	30	0.74	6.22	30	0.93	5.30
	36	0.40	9.95	36	0.58	7.46	36	0.79	6.53
	45	0.26	11.2	45	0.45	10.6	45	0.66	9.20
SAU 3276	30	1.11	9.95	30	1.38	9.33	30	1.72	8.71
	36	0.93	13.7	36	1.27	13.1	36	1.53	11.8
	45	0.68	18.7	45	0.95	16.2	45	1.27	16.2

## SB



A = Air flow (scfm)  
W = water flow (gpm)

### FLAT JET SET-UPS

Flat jets, due to their wider spray coverage, are generally used at billet, bloom and slab caster.

For the widest coverage requirement, dual atomizer bodies are available.

Tip Code	Air pressures (psi)								
	30		36		45				
	W	A	W	A	W	A			
SBQ 3114	30	0.42	7.90	30	0.56	7.46	30	0.65	6.84
	36	0.26	10.3	36	0.37	9.33	36	0.50	8.70
	45	0.16	11.8	45	0.24	10.9	45	0.33	10.3
SBQ 3120	30	0.45	6.03	30	0.57	5.30	30	0.78	4.85
	36	0.29	8.10	36	0.48	7.34	36	0.59	6.53
	45	0.18	10.3	45	0.40	9.00	45	0.53	8.58
SBQ 3132	30	0.60	5.90	30	0.74	5.00	30	0.90	4.35
	36	0.37	7.78	36	0.63	7.00	36	0.79	6.22
	45	0.17	9.45	45	0.37	8.70	45	0.58	7.96
SBU 3132	30	0.60	5.90	30	0.74	5.00	30	0.90	4.35
	36	0.37	7.78	36	0.63	7.00	36	0.79	6.22
	45	0.17	9.45	45	0.37	8.70	45	0.58	7.96
SBU 3276	30	1.00	9.00	30	1.60	7.34	30	1.95	6.22
	36	0.69	12.4	36	1.22	9.95	36	1.72	8.70
	45	0.30	16.2	45	0.74	13.7	45	1.22	11.8
SBU 3450	30	1.08	11.1	30	1.35	9.33	30	1.69	8.70
	36	0.90	13.7	36	1.27	13.1	36	1.50	11.8
	45	0.66	18.7	45	0.95	16.5	45	1.27	17.4
SBW 3132	30	0.60	5.90	30	0.74	5.00	30	0.90	4.35
	36	0.37	7.78	36	0.63	7.00	36	0.79	6.22
	45	0.17	9.45	45	0.37	8.70	45	0.58	7.96
SBW 3276	30	1.00	9.00	30	1.60	7.34	30	1.95	6.22
	36	0.69	12.4	36	1.22	9.95	36	1.72	8.70
	45	0.30	16.2	45	0.74	13.7	45	1.22	11.8
SBW 3450	30	1.08	11.1	30	1.35	9.33	30	1.69	8.70
	36	0.90	13.7	36	1.27	13.1	36	1.50	11.8
	45	0.66	18.7	45	0.95	16.5	45	1.27	17.4