

# Attack Tips

The longest lasting, best quality jets made. for most applications



**AP2 - 1/8 npt**

For small diameter rotating heads



**APF4 - 1/4 npt**

Fits flush in most 1/4 npt ports



**AP4 - 1/4 npt**

## Orifice Flow Chart, gpm

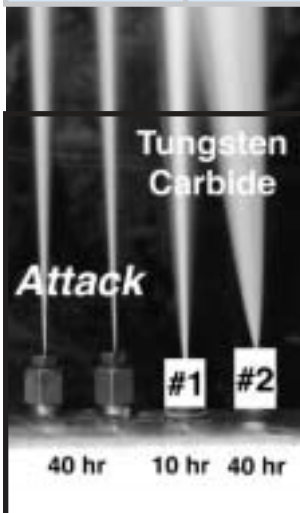
Orifice, ID in. mm	Pressure, 000 psi • Pressure, bar										Flow Rating
	2 138	4 276	6 414	8 552	10 690	12 827	14 966	16 1103	18 1241	20 1380	
.018 0.46	0.39	0.55	0.68	0.78	0.87	0.96	1.0	1.1	1.2	1.2	0.6
.020 0.51	0.48	0.68	0.83	0.96	1.1	1.2	1.3	1.4	1.5	1.5	0.7
.022 0.56	0.58	0.82	1.0	1.2	1.3	1.4	1.5	1.6	1.7	1.8	0.8
.024 0.61	0.69	0.98	1.2	1.4	1.6	1.7	1.8	2.0	2.1	2.2	1.0
.026 0.66	0.81	1.2	1.4	1.6	1.8	2.0	2.1	2.3	2.4	2.6	1.1
.029 0.74	1.0	1.4	1.7	2.0	2.3	2.5	2.7	2.9	3.0	3.2	1.4
.032 0.81	1.2	1.7	2.1	2.5	2.8	3.0	3.3	3.5	3.7	3.9	1.7
.035 0.89	1.5	2.1	2.6	3.0	3.3	3.6	3.9	4.2	4.4	4.7	2.1
.038 0.97	1.7	2.5	3.0	3.5	3.9	4.3	4.6	4.9	5.2	5.5	2.5
.042 1.07	2.1	3.0	3.7	4.2	4.7	5.2	5.6	6.0	6.4	6.7	3.0
.047 1.19	2.7	3.8	4.6	5.3	5.9	6.5	7.0	7.5	8.0	8.4	3.8
.052 1.32	3.3	4.6	5.6	6.5	7.3	8.0	8.6	9.2	9.8	10	4.6
.057 1.45	3.9	5.5	6.8	7.8	8.7	9.6	10	11	12	12	5.5
.063 1.60	4.8	6.8	8.3	9.6	11	12	13	14	14	15	6.8
.069 1.78	5.7	8.1	9.9	12	13	14	15	16	17	18	8.1
.075 1.91	6.8	9.6	12	13	15	17	18	19	20	21	9.6
.082 2.08	8.1	12	14	16	18	20	21	23	24	26	12
.090 2.29	9.8	14	17	20	22	24	26	28	29	31	14
.098 2.49	12	16	20	23	26	28	31	33	35	37	16
.106 2.69	14	19	23	27	30	33	36	38	41	43	19
.115 2.92	16	23	28	32	36	39	42	45	48	50	23
.125 3.18	19	27	33	38	42	46	50	53	56	60	27
.135 3.43	22	31	38	44	49	54	58	62	66	69	31
.145 3.68	25	36	44	51	57	62	67	72	76	80	36
.155 3.94	29	41	50	58	65	71	77	82	87	92	41
.165 4.19	33	46	57	66	73	80	87	93	98	100	46

Outlasts  
Tungsten Carbide

More Powerful  
Performance

Intensive QC  
Means Quality

Orifice Sizes  
For All Jetting Jobs



## Hardened and Polished Stainless Steel Nozzle

Thanks to high efficiency nozzle design and unique 7-step manufacturing process, the **Attack™ Tips** are the best quality, longest lasting tips we have found. The flow straightener corrects power-robbing turbulence, insuring excellent jet quality. Aquapower tests show that the **Attack™** outlasts tungsten carbide jets. The difference in life is especially dramatic in small orifice sizes. **APF4** model fits flush in 1/4 npt ports.