

# DIAMOND FANTOM JET

## DATA SHEET

### MAXIMUM COVERAGE

### MAXIMUM LIFE

### OPTIMIZED BLASTING PERFORMANCE

Introducing the first, true, high pressure, fan jet to enter the blasting and surface preparation markets. The Fantom Jet is equipped with a tetraCORE™ Diamond, methodically shaped and processed to create the ultimate fan jet orifice, compatible with virtually all industry standard nozzle styles. With a true fan jet finally a reality, users receive an average 5 times the area coverage compared to a single jet, while maintaining maximum impact force over the entire jet stream spread. Made of the hardest material on earth, the Diamond Fantom Jet functions with zero degradation of the fan jet inlet geometry over the product's lifetime, equating to no loss in system pressures during use, ultimate lifetimes, and optimum waterjetting performance.

### FEATURES & BENEFITS

- ◆ Equipped with new tetraCORE™ Diamond orifice
- ◆ Full force, wider area coverage
- ◆ Rated up to 60K psi
- ◆ Removes up to 5X the material of a single jet
- ◆ Designed to maximize impact force
- ◆ Zero degradation of orifice inlet geometry over lifetime
- ◆ 40X the life of industry standard stainless fanjets

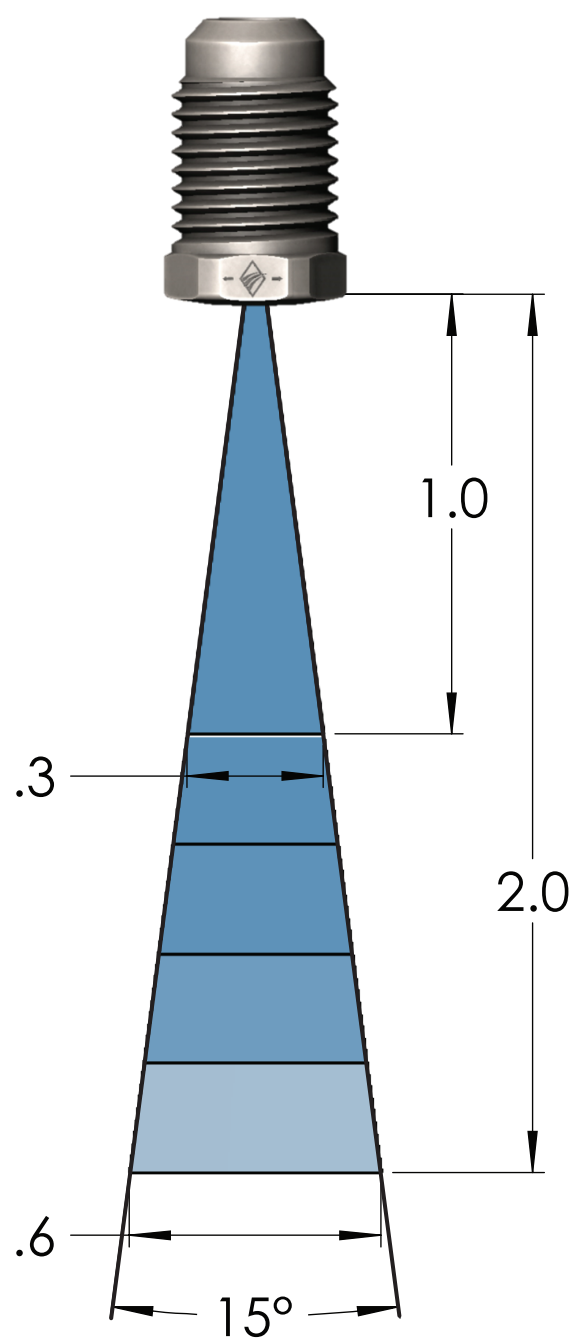
### APPLICATIONS

As the first true product of its kind on the market, the industry application possibilities are vast and exciting, some of which include but are not limited to the following:

- ◆ Concrete Demolition
- ◆ Paint Removal
- ◆ Rubber Removal
- ◆ Maritime Cleaning
- ◆ High Pressure Water Deburring
- ◆ Pipe Cleaning
- ◆ Anti-Skid Removal
- ◆ Hydro Finishing
- ◆ Limitless Additional Applications



### STANDARD FAN JET COVERAGE



## FLOW RATE & PERFORMANCE CHART

### PRESSURE (PSI & BAR)

ORIFICE ID SIZE		PRESSURE (PSI & BAR)									
		20,000 psi (1400 bar)		25,000 psi (1800 bar)		30,000 psi (2000 bar)		35,000 psi (2500 bar)		40,000 psi (2800 bar)	
in	mm	gpm	lpm	gpm	lpm	gpm	lpm	gpm	lpm	gpm	lpm
0.008	0.20	0.18	0.66	0.20	0.75	0.22	0.82	0.23	0.88	0.24	0.91
0.009	0.23	0.22	0.84	0.25	0.95	0.27	1.03	0.29	1.11	0.31	1.15
0.01	0.25	0.27	1.04	0.31	1.17	0.34	1.27	0.36	1.37	0.38	1.43
0.011	0.28	0.33	1.25	0.37	1.41	0.41	1.54	0.44	1.66	0.46	1.73
0.012	0.30	0.39	1.49	0.44	1.68	0.49	1.84	0.52	1.97	0.55	2.07
0.013	0.33	0.46	1.75	0.52	1.97	0.57	2.15	0.61	2.32	0.64	2.44
0.014	0.36	0.54	2.03	0.60	2.28	0.66	2.50	0.71	2.69	0.75	2.83
0.015	0.38	0.62	2.33	0.69	2.62	0.76	2.87	0.82	3.08	0.86	3.26
0.016	0.41	0.70	2.66	0.79	2.98	0.86	3.26	0.93	3.51	0.98	3.71
0.017	0.43	0.79	3.00	0.89	3.37	0.97	3.68	1.05	3.96	1.11	4.20
0.018	0.46	0.89	3.36	1.00	3.77	1.09	4.13	1.18	4.44	1.25	4.72
0.019	0.48	0.99	3.75	1.11	4.20	1.22	4.60	1.31	4.95	1.39	5.27
0.02	0.51	1.10	4.15	1.23	4.66	1.35	5.10	1.45	5.49	1.55	5.85
0.021	0.53	1.21	4.58	1.36	5.14	1.49	5.62	1.60	6.05	1.71	6.46
0.022	0.56	1.33	5.03	1.49	5.64	1.63	6.17	1.76	6.64	1.88	7.10
0.023	0.58	1.45	5.49	1.63	6.16	1.78	6.74	1.92	7.26	2.05	7.77
0.024	0.61	1.58	5.98	1.77	6.71	1.94	7.34	2.09	7.91	2.24	8.47
0.025	0.64	1.72	6.49	1.92	7.27	2.11	7.96	2.27	8.58	2.43	9.20
0.026	0.66	1.86	7.02	2.08	7.87	2.28	8.61	2.46	9.28	2.64	9.97
0.027	0.69	2.00	7.58	2.24	8.48	2.46	9.28	2.65	10.01	2.85	10.76
0.028	0.71	2.16	8.15	2.41	9.12	2.64	9.98	2.85	10.77	3.07	11.59
0.029	0.74	2.31	8.74	2.59	9.79	2.83	10.71	3.06	11.55	3.29	12.44
0.03	0.76	2.47	9.36	2.77	10.47	3.03	11.46	3.27	12.37	3.53	13.33
0.031	0.79	2.64	9.99	2.96	11.18	3.24	12.24	3.49	13.21	3.77	14.25
0.032	0.81	2.82	10.65	3.15	11.91	3.45	13.04	3.72	14.07	4.02	15.20
0.033	0.84	3.00	11.32	3.35	12.67	3.67	13.87	3.96	14.97	4.28	16.18
0.034	0.86	3.18	12.02	3.56	13.45	3.89	14.72	4.20	15.89	4.55	17.19
0.035	0.89	3.37	12.74	3.77	14.25	4.13	15.60	4.45	16.84	4.82	18.24
0.036	0.91	3.57	13.48	3.99	15.07	4.37	16.50	4.71	17.82	5.11	19.31
0.037	0.94	3.77	14.24	4.21	15.92	4.61	17.43	4.98	18.82	5.40	20.42
0.038	0.97	3.97	15.02	4.44	16.79	4.86	18.38	5.25	19.86	5.70	21.55
0.039	0.99	4.19	15.82	4.68	17.68	5.12	19.36	5.53	20.92	6.01	22.72
0.04	1.02	4.40	16.65	4.92	18.60	5.39	20.37	5.82	22.00	6.33	23.92
0.041	1.04	4.63	17.49	5.17	19.54	5.66	21.40	6.12	23.12	6.65	25.15
0.042	1.07	4.86	18.36	5.42	20.51	5.94	22.46	6.42	24.26	6.99	26.42
0.043	1.09	5.09	19.24	5.69	21.49	6.23	23.54	6.73	25.44	7.33	27.71
0.044	1.12	5.33	20.15	5.95	22.50	6.52	24.64	7.05	26.63	7.68	29.04
0.045	1.14	5.58	21.08	6.23	23.54	6.82	25.78	7.37	27.86	8.04	30.39
0.046	1.17	5.83	22.03	6.51	24.59	7.13	26.93	7.70	29.12	8.41	31.78
0.052	1.32	7.45	28.16	8.31	31.42	9.10	34.41	9.85	37.22	10.79	40.77
0.067	1.70	12.38	46.79	13.79	52.12	15.11	57.12	16.36	61.85	18.06	68.25

\*Actual flow rates may vary per application

