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WATERBLAST ACCESSORIES

SAPPHIRE NOZZLES

For High Pressure Applications

These nozzles are used for high pressure jetting applications where water filtration of 10 micron or better is required. Jeweled orifices make the best quality, longest lasting jets possible, especially for ultra-high pressures.

• Pressure Range: 20-40k psi (1400-2800 bar)



 Pressure Range: 20–40k psi (1400–2800 bar) Flow Range: 0.2–4.8 gpm (0.75–18 l/min) 									Sho	4 wn larg	size.	03					
S	APPH	IIRE	NOZ	ZZLE	FLC	OW C	HAR	T (G	PM)								
OR	IFICE	PRESSURE KPSI & (BAR)													AVAILABILITY		
I. in.	D. mm	20 (1400)	22 (1500)	24 (1700)	26 (1800)	28 (1900)	30 (2100)	32 (2200)	34 (2300)	36 (2500)	38 (2600)	40 (2800)	084	086	087		
.009	(0.23)	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		•			
.010	(0.25)	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.34	0.4	•	•			
011	(0.28)	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5		•	•		
012	(0.30)	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	•	•	•		
013	(0.33)	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.7	•	•	•		
014	(0.36)	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.8	•	•	•		
015	(0.38)	0.6	0.7	0.7	0.7	0.7	0.8	0.9	0.8	0.8	0.9	0.9	•	•	•		
016	(0.41)	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	•	•	•		
017	(0.43)	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1	•	•	•		
018	(0.46)	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.3	•	•	•		
019	(0.48)	1.0	1.0	1.1	1.1	1.9	1.2	1.3	1.3	1.3	1.4	1.4	•	•	•		
020	(0.51)	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.6	•	•	•		
021	(0.53)	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	•	•	•		
022	(0.56)	1.3	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.9	•	•	•		
023	(0.58)	1.5	1.5	1.6	1.7	1.7	1.7	1.8	1.9	1.9	2.0	2.0	•	•	•		
024	(0.61)	1.6	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.2	•	•	•		
025	(0.64)	1.7	1.8	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.4	2.4	•	•	•		
026	(0.66)	1.9	1.9	2.0	2.1	2.2	2.3	2.3	2.4	2.5	2.6	2.6	•	•			
027	(0.69)	2.0	2.1	2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.8	•	•			
028	(0.71)	2.2	2.3	2.4	2.5	2.6	2.5	2.7	2.8	2.9	3.0	3.1	•	•	•		
.029	(0.74)	2.3	2.4	2.5	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	•	•			
031	(0.79)	2.6	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	•	•	•		
033	(0.84)	3.0	3.1	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.1	4.2			•		
.034	(0.86)	3.2	3.3	3.5	3.6	3.8	3.9	4.0	4.2	4.3	4.4	4.5	•	•			
035	(0.89)	3.4	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.5	4.6	4.8	•		•		
036	(0.91)	3.6	3.7	3.9	4.0	4.2	4.4	4.5	4.6	4.8	4.9	5.0	•	•	•		
037	(0.94)	3.7	3.9	4.1	4.3	4.4	4.6	4.8	4.9	5.0	5.2	5.3		•	•		
039	(0.99)	4.2	4.4	4.6	4.7	4.9	5.1	5.3	5.4	5.6	5.7	5.9	•	•	•		
.047	(1.20)	6.1	6.4	6.6	6.9	7.2	7.4	7.7	7.9	8.1	8.4	8.6		•	•		

WATERBLAST ACCESSORIES

ATTACK TIPS™

For Low/Medium Pressure Applications

StoneAge Attack Tips are the highest quality, longest lasting nozzles available for low and medium pressure applications (up to 22k psi - 1500 bar). Flow straighteners correct turbulence, ensuring excellent jetting results.

- Pressure Range: 20–40k psi (1400–2800 bar)
- Flow Range: 0.6–46 gpm (2.27–174 l/min)

Shown larger than actual size.







APF4 1/4 NPT FLUSH MOUNT



AP4 1/4 NPT

STAINLESS STEEL OR CARBIDE AVAILABLE

AT	FACK	TIP	NOZ	ZZLE	FLO	w c	HAR	T (GPM)				
PRESSURE - KPSI & (BAR)														
ORIFICE I.D.		2	4	6	8	10	12	14	15	16	18	20	22	FLOW
in.	mm	(140)	(280)	(410)	(550)	(700)	(830)	(970)	(1000)	(1100)	(1200)	(1400)	(1500)	RATING
.018	(0.46)	0.39	0.55	0.68	0.78	0.87	0.96	1.0	1.1	1.1	1.2	1.2	1.3	0.6
.020	(0.51)	0.48	0.68	0.83	0.96	1.1	1.2	1.3	1.3	1.5	1.5	1.5	1.6	0.7
.022	(0.56)	0.58	0.82	1.0	1.2	1.3	1.4	1.5	1.6	1.6	1.7	1.8	1.9	0.8
.024	(0.61)	0.69	0.98	1.2	1.4	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	1.0
.026	(0.66)	0.81	1.2	1.4	1.6	1.8	2.0	2.1	2.2	2.3	2.4	2.6	2.7	1.1
.029	(0.74)	1.0	1.4	1.7	2.0	2.3	2.5	2.7	2.8	2.9	3.0	3.2	3.4	1.4
.032	(0.81)	1.2	1.7	2.1	2.5	2.8	3.0	3.3	3.4	3.5	3.7	3.9	4.1	1.7
.035	(0.89)	1.5	2.1	2.6	3.0	3.3	3.6	3.9	4.0	4.2	4.4	4.7	4.9	2.1
.038	(0.97)	1.7	2.5	3.0	3.5	3.9	4.3	4.6	4.8	4.9	5.2	5.5	5.7	2.5
.042	(1.07)	2.1	3.0	3.7	4.2	4.7	5.2	5.6	5.8	6.0	6.4	6.7	7.0	3.0
.047	(1.19)	2.7	3.8	4.6	5.3	5.9	6.5	7.0	7.3	7.5	8.0	8.4	8.8	3.8
.052	(1.32)	3.3	4.6	5.6	6.5	7.3	8.0	8.6	8.9	9.2	9.8	10	11	4.6
.057	(1.45)	3.9	5.5	6.8	7.8	8.7	9.6	10	11	11	12	12	13	5.5
.063	(1.60)	4.8	6.8	8.3	9.6	11	12	13	13	14	14	15	16	6.8
.069	(1.78)	5.7	8.1	9.9	12	13	14	15	16	16	17	18	19	8.1
.075	(1.91)	6.8	9.6	12	13	15	17	18	19	19	20	21	23	9.6
.082	(2.08)	8.1	12	14	16	18	20	21	22	23	24	26	27	12
.090	(2.29)	9.8	14	17	20	22	24	26	27	28	29	31	32	14
.098	(2.49)	12	16	20	23	26	28	31	32	33	35	37	38	16
.106	(2.69)	14	19	23	27	30	33	36	37	38	41	43	45	19
.115	(2.92)	16	23	28	32	36	39	42	44	45	48	50	53	23
.125	(3.18)	17	27	33	38	42	46	50	52	53	56	60	62	27
.135	(3.43)	22	31	38	44	49	54	58	60	62	66	69	73	31
.145	(3.68)	25	36	44	51	57	62	67	69	72	76	80	84	36
.155	(3.94)	29	41	50	58	65	71	77	79	82	87	92	96	41
.165	(4.19)	33	46	57	66	73	80	87	90	93	98	104	109	46

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