

HYPRO[®] UAS CERAMIC NOZZLES

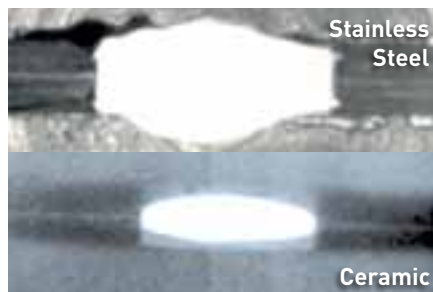
Car Wash & High Pressure Nozzles

Features & Benefits

- Ceramic inserts provide up to 10 times the life of hardened stainless steel, maximizing your return on investment and decreasing downtime for nozzle replacement (See graph on reverse side.)
- Extra long-life ceramic orifice is nearly diamond-hard to resist wear
- Molded ceramic virtually eliminates chemical and mineral buildup in the orifice area
- Wear characteristics make the UAS nozzle ideal for reclaim systems
- The U-shaped outlet provides a high-impact spray without additional inserts
- Wedge-shaped orifice insert seats tightly as spray pressures increase
- Precision-machined stainless steel carriers resist corrosion and damage
- High quality components easily withstand wash pressures of 800 to 5000 psi
- 1/4" NPT connection fits all common applications
- Permanent laser-etched part number markings ease identification



UAS Nozzles are made with premium-quality ceramic orifices mounted in stainless steel carriers. They offer extended operating life and precise spraying, while reducing operating and maintenance costs.



The photo above compares a stainless steel nozzle and ceramic nozzle. When comparing the photos, you can see the wear on the stainless steel nozzle after 50 hours of use, while the ceramic nozzle shows no visible signs of wear.

HYPRO® UAS CERAMIC NOZZLES

Specifications

UAS Nozzle Performance

Nozzle Size	Flow Rate (US GPM)												
	Pressure (PSI)												
	800	900	1000	1200	1500	1800	2000	2500	3000	3500	4000	4500	5000
015	0.67	0.71	0.75	0.82	0.92	1.01	1.06	1.19	1.30	1.40	1.50	1.59	1.68
02	0.89	0.95	1.00	1.10	1.22	1.34	1.41	1.58	1.73	1.87	2.00	2.12	2.24
025	1.12	1.19	1.25	1.37	1.53	1.68	1.77	1.98	2.17	2.34	2.50	2.65	2.80
03	1.34	1.42	1.50	1.64	1.84	2.01	2.12	2.37	2.60	2.81	3.00	3.18	3.35
035	1.57	1.66	1.75	1.92	2.14	2.35	2.47	2.77	3.03	3.27	3.50	3.71	3.91
04	1.79	1.90	2.00	2.19	2.45	2.68	2.83	3.16	3.46	3.74	4.00	4.24	4.47
045	2.01	2.13	2.25	2.46	2.76	3.02	3.18	3.56	3.90	4.21	4.50	4.77	5.03
05	2.24	2.37	2.50	2.74	3.06	3.35	3.54	3.95	4.33	4.68	5.00	5.30	5.59
055	2.46	2.61	2.75	3.01	3.37	3.69	3.89	4.35	4.76	5.14	5.50	5.83	6.15
06	2.68	2.85	3.00	3.29	3.67	4.02	4.24	4.74	5.20	5.61	6.00	6.36	6.71
065	2.91	3.08	3.25	3.56	3.98	4.36	4.60	5.14	5.63	6.08	6.50	6.89	7.27
07	3.13	3.32	3.50	3.83	4.29	4.70	4.95	5.53	6.06	6.55	7.00	7.42	7.83
08	3.58	3.79	4.00	4.38	4.90	5.37	5.66	6.32	6.93	7.48	8.00	8.49	8.94
09	4.02	4.27	4.50	4.93	5.51	6.04	6.36	7.12	7.79	8.42	9.00	9.55	10.06
10	4.47	4.74	5.00	5.48	6.12	6.71	7.07	7.91	8.66	9.35	10.00	10.61	11.18
12	5.37	5.69	6.00	6.57	7.35	8.05	8.49	9.49	10.39	11.22	12.00	12.73	13.42

Available Spray Angles & Sizes

Degree	Nozzle Size*															
	015	02	025	03	035	04	045	05	055	06	065	07	08	09	10	12
0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Sample Part Number: **UAS1/4-25-04**

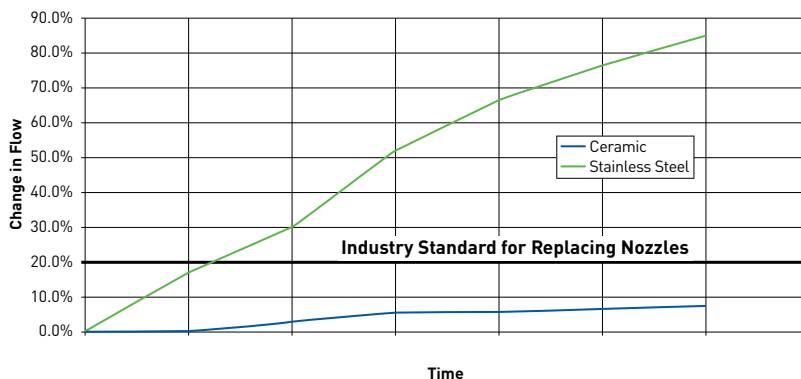
Breakdown:

UAS 1/4 - 25 - 04

model: connection: spray angle: size:
 UAS 1/4" NPT 25° 04

*For additional sizes, please contact Hypro at 800-424-9776.

Nozzle Wear (Flow Increase)



The graph at the left represents the test results on nozzle wear between stainless steel and ceramic nozzles. This test was conducted at Hypro using an abrasive solution to accelerate wear.

Once a nozzle reaches 20% wear, it is recommended that it be replaced. At this point, the stainless steel nozzle needs to be replaced, while the ceramic nozzle is well below the threshold for replacement. The ceramic nozzles can continue in operation, decreasing the downtime for nozzle replacement and reducing overall water consumption.



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