

Siphon, Air Atomizing Nozzles

Hago's Siphon Nozzles are ideal for applications calling for the finest spray particles at lower air pressures.

Our siphon nozzle produces a solid cone spray pattern that is extremely fine. It does this using low air pressures and low air consumption.

This air atomization product is ideal for handling #2 and #4 fuel oils. It also has the capability of atomizing pre-heated #5 and #6 fuel oils. It is perfect for applications where the fuels are too viscous for direct pressure atomizing nozzles. In fact, if a sufficient air source is combined with our nozzle, you can achieve an even finer oil particle droplet size and even cleaner combustion properties.

This innovative technology works by mixing air and fuel, which are separately and precisely routed to the nozzle. The air and fuel mixture is combined in a precision mixing chamber. The air pressure energy then mixes with the fuel within the chamber so that a uniform swirl of air and fuel converge through the orifice providing fine atomization. This presents a well-atomized pattern for effective combustion in a solid cone pattern.

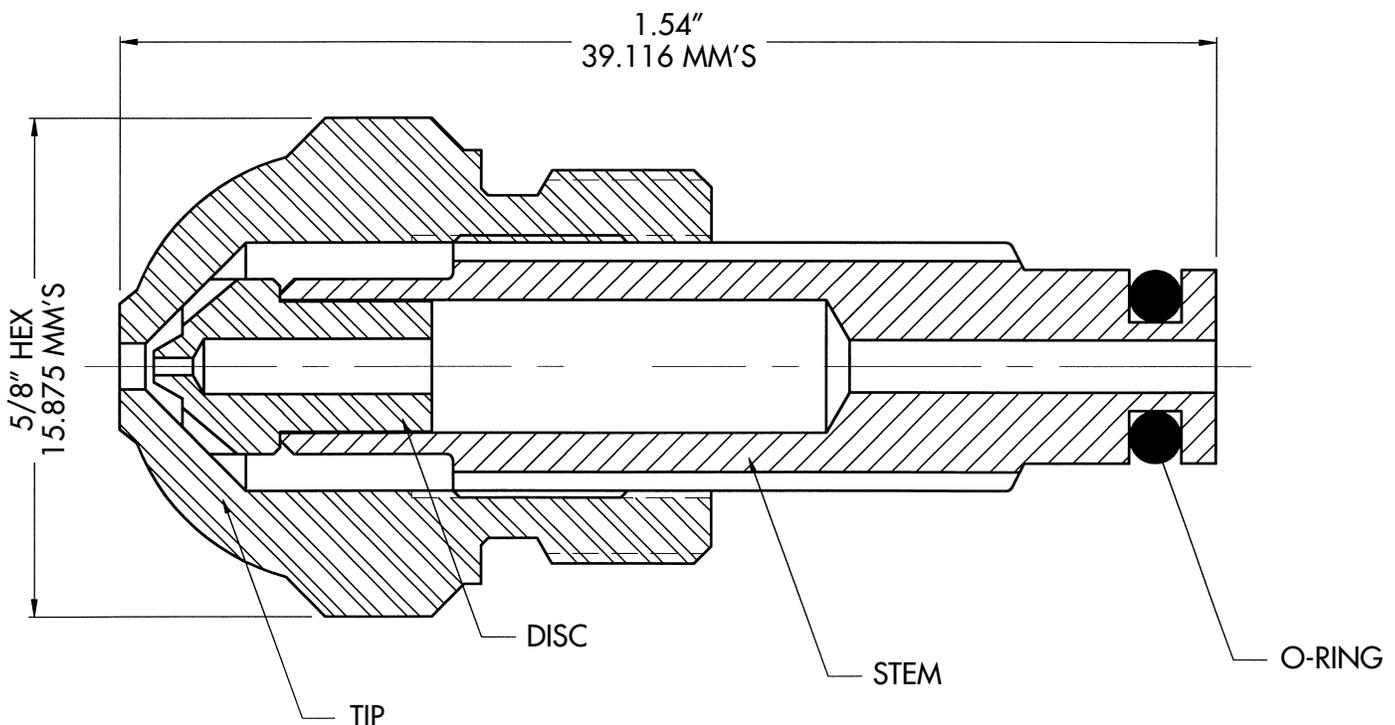
Given its design and the nature of air atomizing nozzles, the flow rates, spray angles and droplet size can be affected by and changed by the variations within the application. Air velocity, and lift will modify angles and flow rates

Features

- Low Air Pressure Capabilities
- Multiple Fuel Grade Capability
- Excellent Atomization
- Hago Product

Benefits

- Lower CFM Compressor Requirements
- Works Across The Waste Oil Spectrum
- Efficient & Effective Combustion
- Assurance Of Finest Product Quality



Applications

For the combustion of waste oil and other variable waste oil products

Materials/Construction

Nozzle parts are 416 Stainless Steel with Brass Stem

Brass Stem Uses Viton "O" Ring

Nozzle Capacity Chart

Nozzle Number	Nozzle GPH	3 PSIG Air		4 PSIG Air		5 PSIG Air		Lift Height (Inches)
		Fuel (GPH)	Air (CFM)	Fuel (GPH)	Air (CFM)	Fuel (GPH)	Air (CFM)	
SN902	.20	.19	.36	.23	.45	.25	.49	1
		.16	.36	.20	.45	.22	.49	4
		.14	.36	.17	.45	.20	.49	7
SN903	.30	.29	.41	.33	.49	.36	.55	1
		.26	.41	.30	.49	.33	.55	4
		.23	.41	.27	.49	.30	.55	7
SN904	.40	.38	.45	.44	.54	.49	.61	1
		.34	.45	.40	.54	.45	.61	4
		.30	.45	.36	.54	.41	.61	7
SN905	.50	.48	.50	.54	.59	.58	.65	1
		.43	.50	.50	.59	.53	.65	4
		.38	.50	.46	.59	.48	.65	7
SN907	.65	.63	.59	.72	.67	.78	.76	1
		.57	.59	.65	.67	.72	.76	4
		.51	.59	.58	.67	.66	.76	7
SN908	.75	.75	.63	.83	.74	.93	.87	1
		.65	.63	.75	.74	.84	.87	4
		.59	.63	.67	.74	.75	.87	7
SN909	.85	.84	.71	.93	.80	1.04	.93	1
		.75	.71	.85	.80	.95	.93	4
		.66	.71	.77	.80	.86	.93	7
SN9011	1.00	.96	.73	1.10	.91	1.15	1.02	1
		.84	.73	1.00	.91	1.06	1.02	4
		.72	.73	.90	.91	.97	1.02	7

Ordering Information

Specify the GPH & CFM requirements

HAGO PRECISION SPRAY NOZZLES
100% Tested 100% Guaranteed 100% Stainless Steel