

## SNA NOZZLE

### OIL HEATING PRODUCTS - SPECIAL COMBUSTION APPLICATIONS

The Siphon Type SNA Air Atomizing Nozzles are primarily used for extremely fine spray particle sizes at low air pressure. This type of nozzle produces a solid cone spray pattern with extremely fine particle size at low air pressures and low CFM. The nozzle will flow in either a horizontal or vertical position

#### SPRAY CHARACTERISTICS

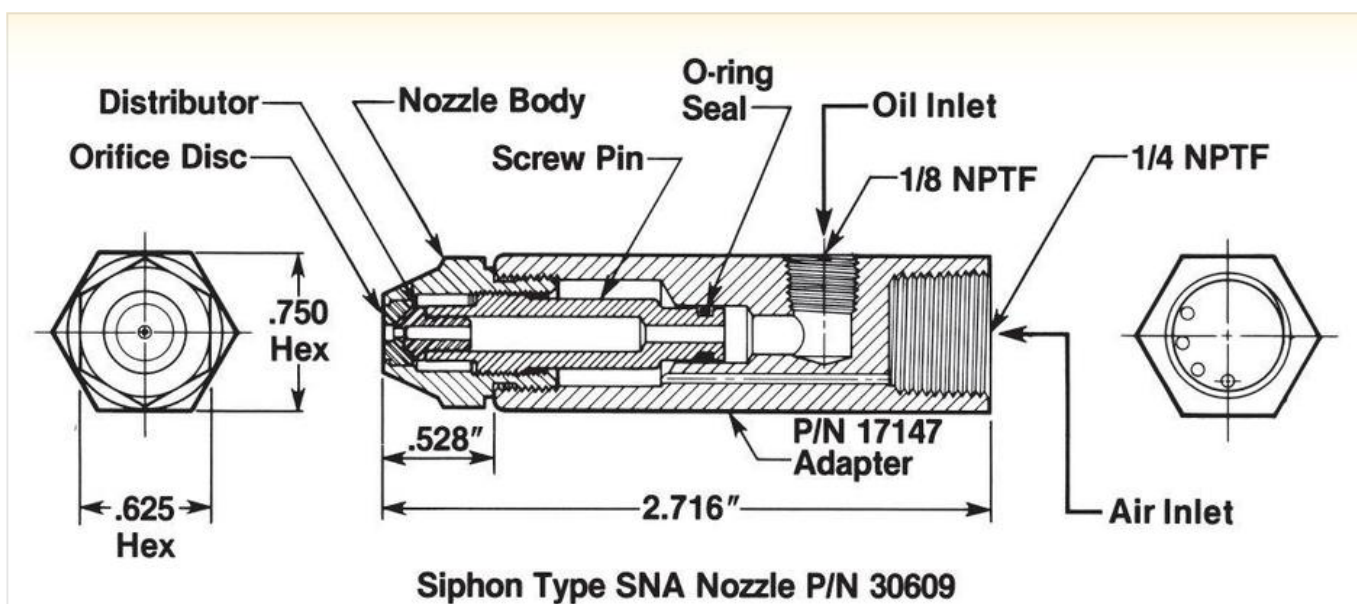
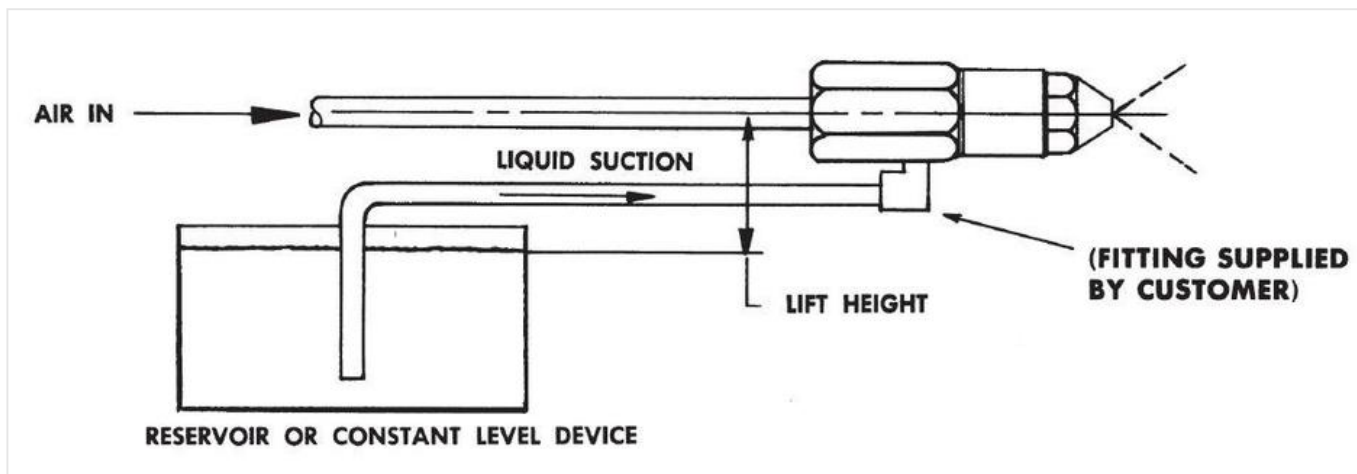
- *Produces a solid cone spray pattern with extremely fine particle size at low air pressures and low CFM*
- *Flow rates, spray angles and droplet sizes can be modified, with limitations, by variations in air, lift*
- *Clog free operation of low volume due to relatively large passages.*
- *Excellent for waste oil applications*

#### INSTALLATION

- *The air compressor should be capable of providing at least 10% more air than the specified values. All fuel and airline connections must be tight. Any leaks, especially in the fuel line, will have an adverse effect on the lift characteristics*
- *The nozzle will flow in either a horizontal or vertical position. The lift distance for a vertical mounted nozzle is measured from the liquid level to the end (face) of the nozzle. The lift distance for the horizontal mounting is shown in the installation drawing.*
- *If the combustion application does not permit the use of a constant level device, excellent spray characteristics can be obtained using a fuel metering pump and an air compressor. It is also possible to operate the nozzle in a closed pressurized system utilizing air pressure for both lifting and atomizing the fuel*

WHEN ORDERING SIPHON TYPE SNA NOZZLES, be sure to include both part number and description. Order adapter separately specify P/N 17147

## CAPACITY CHARTS



## Siphon Nozzle Capacity Chart

Part Number	Nozzle No.	3 PSIG Air		4 PSIG Air		5 PSIG Air		Lift Height (Inches)
		Fuel (GPH)	Air (CFM)	Fuel (GPH)	Air (CFM)	Fuel (GPH)	Air (CFM)	
30609-2	SNA .20	.19	.36	.23	.45	.25	.49	1
30610-1		.16	.36	.20	.45	.22	.49	4
		.14	.36	.17	.45	.20	.49	7
30609-3	SNA .30	.29	.41	.33	.49	.36	.55	1
30610-2		.26	.41	.30	.49	.33	.55	4
		.23	.41	.27	.49	.30	.55	7
30609-4	SNA .40	.38	.45	.44	.54	.49	.61	1
30610-3		.34	.45	.40	.54	.45	.61	4
		.30	.45	.36	.54	.41	.61	7
30609-5	SNA .50	.48	.50	.54	.59	.58	.65	1
30610-4		.43	.50	.50	.59	.53	.65	4
		.38	.50	.46	.59	.48	.65	7
30609-7	SNA .65	.63	.59	.72	.67	.78	.76	1
30610-5		.57	.59	.65	.67	.72	.76	4
		.51	.59	.58	.67	.66	.76	7
30609-8	SNA .75	.75	.63	.83	.74	.93	.87	1
30610-6		.65	.63	.75	.74	.84	.87	4
		.59	.63	.67	.74	.75	.87	7
30609-9	SNA .85	.87	.71	.93	.80	1.04	.93	1
30610-7		.75	.71	.85	.80	.95	.93	4
		.66	.71	.77	.80	.86	.93	7
30609-11	SNA 1.00	.96	.73	1.10	.91	1.15	1.02	1
30610-8		.84	.73	1.00	.91	1.06	1.02	4
		.72	.73	.90	.91	.97	1.02	7

\* **30609 - Brass**

adapter for Brass: 17147

**30610 - SST**

Adapter for Stainless Steel: 29713-2