Air consumption and liquid draw for the spray cooling systems

Mist Cooling Systems:
Mist cooling systems can be used in a variety of machining operations, such as drilling, tapping, milling, turning, sawing, etc. where removal of heat from the work area is the primary objective.

Benefits:

- Cools tool, prolongs life
- Cools work area without as much clean up as is required with flood cooling.
- Increased speed and feeds over dry machining.

Micro-Drop Systems:
Micro-drop systems can be used in a variety of machining operations, such as drilling, tapping, milling, grinding, sawing, etc. where tool lubrication is the primary objective.

Benefits:

- Tool is lubricated, prolongs life
- Little or no clean up
- Cleaner machine surfaces
- Increased speeds and feeds over dry machining

Unit	Type	Air Consumption CFM @ 50 PSI	Air Consumption CFM @ 100 PSI	Liquid Draw	Reservoir	Delivery Line	Nozzle
DL	Siphon	0.33	0.42	0.40 0.25	N/A	N/A	Loobe
LIMaster	Siphon	0.23	0.33	0.10	HDPE	Plastic Armored	Rigid Metal
Spraymaster	Siphon	0.68	0.83	0.15	HDPE	Armored	Rigid Metal
Spraymaster SS	Siphon	0.33	0.68	0.15	Stainless Steel	Armored	Rigid Metal
Spraymaster II	Siphon	0.23	0.30	0.20	HDPE	Armored	Loobe
"B" Mist	Siphon	0.15	0.23	0.30	HDPE	Armored	Rigid Metal
Minimatic	Pump	0.40	0.53	0.16	HDPE Stainless Steel	Armored	Loobe
P-12A	N/A	0.30	0.47	5.15	N/A	N/A	Rigid Metal
HV-2100	N/A	0.40	0.53	4.12	N/A	N/A	Rigid Metal Loobe

1. Liquid draw is based on 80 - 90 PSI and liquid and air valves turned opened one complete turn each.
2. The top number on the liquid draw for the DL is used if the reservoir is located above or level with the nozzle. The bottom number is used if the reservoir is located below the nozzle.

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