



SSP-MT Pneumatic Minimal Quantity Oil & Air Lubricator

SSP-MT

System instructions regarding external minimal quantity lubrication (MQL):

A pneumatically actuated, positive displacement micropump with adjustable and precise metered quantity control is the clean, economical, energy-efficient and reliable alternative to wet machining and the ideal supplement to dry machining and can be used in many areas : machining - Sawing, drilling, tapping, milling, drawing, cutting, punching, stamping, components assembling and lubrication of conveyor chain and so on.

Advantage:

- 1.Exact adjustment of delivery rate saves lubricant: 0.003~0.03 c.c./cycle.
- 2.Less lubricant – as much as needed, as little as possible: approximately consumption 2.5~5.0 c.c./hr.
- 3.Improving production efficiency: better machining performance due to better speed characteristics.
- 4.Long tool life: reducing the loss mainly when high-frequency machining is involved.
- 5.Cost effective: reducing consumption of energy and power and high efficiency with low wear and long service.
- 6.Intended use: ideal for use in the areas without electricity.
- 7.Greater safety and environment friendly at the workplace: no mist, clean air to breath.
- 8.Higher machining performance: better surface finish thanks to lower (friction-induced) temperature.

Information regarding system installation:

- 1.Add new lubricant without any foreign particles to avoid the damage in the systems. Used lubricant is banned.
- 2.Minimal quantity lubrication unit with up to 3 outlets and each distance up to 1 meter max. from the nozzle to the friction area.
- 3.Pneumatic pulse generator and electric solenoid must be away from any air or fluid pollution and air venting outlet keeps clear.
- 4.Permissible viscosity range: 10~68 cSt.
- 5.Reservoir 2L and 800 c.c. available. Consult iSHAN for other sizes of capacity.
- 6.Pressurized air control valve with air filter and water separator is required to install and filter precision 3 µm.
- 7.Standard nozzle of SP-00 is attached for delivery.

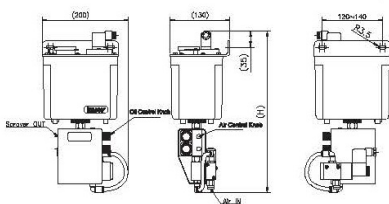


SSP-MT2 2L

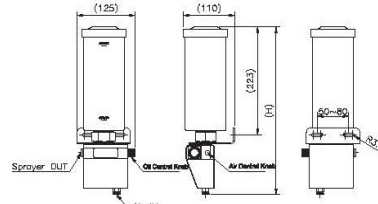


SSP-MT1 800 c.c.

Model	SSP-MT (Solenoid)	SSP-MT
Number of Outlet		1~3
Air Inlet		Ø8 (Air)
Outlet Diameter		Ø4 (Oil) Ø8 (Air)
Reservoir	2L	800c.c.
Discharge (c.c./cycle)	Approx. 0.003 ~ 0.03 (Adjustable)	
Cycle Number (Sec.)	Approx. 5~20 (Adjustable)	
Viscosity (cSt)	10 ~ 68	
Air Operating Pressure (kgf/cm ²)	3 ~ 8	
Air Flow Adjustable	O	
Oil Refilling Filter	O	
Solenoid	O (DC24V)	X
Float Switch	O	X



SSP-MT (2L)



SSP-MT (800cc)