

**MINIMAL LUBRICATION AND COOLING  
SYSTEMS FOR MACHINE TOOLS AND  
INDUSTRIAL APPLICATIONS**

**„AIR LUBROCOLD“**

**The system is shipped with the pump unit  
disconnected to the tank, that is to avoid  
damages during shipping operations**



**After opening the box, screw the pump unit into the  
tank hole and connect the black hose diam. 4 mm to  
the fitting on the pressure regulator filter**

## QUICK USER GUIDE



1. Compressed Air inlet
2. Pressure regulator, for the proper functioning of the pressure adjusting the knob 2 (usually between 4 and 7 BAR)
3. Timing cycles of injection, adjust cycles of injection using the screw in brass with a screwdriver
4. Mini pump, adjust the quantity of liquid for each injection using the knob 4 (all screwed out maximum, all screwed in zero)
5. Contact available for low-level liquid
6. Compressed air inlet to feed vortex tube (cooling)
7. Plug oil injector nozzle

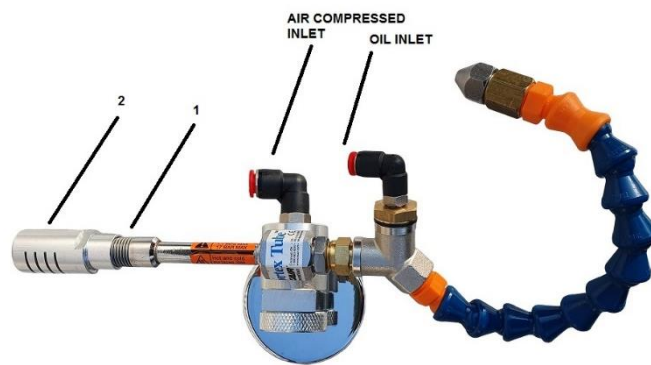
## MINIMAL LUBRICATION AND COOLING SYSTEMS FOR MACHINE TOOLS AND INDUSTRIAL APPLICATIONS

## „AIR LUBROCOLD“

MINIPUMP FLOW	
ROUNDS (from all unscrewed)	FLOW (mm <sup>3</sup> / injection)
all unscrewed	40
1	34
2	28
3	22
4	17
5	11
6	5
7	0

Please note: during the first start up (and every time the liquid in the tank is finished) for the first few minutes of running the injections will take place without emission of liquid because it takes few time to fill the connecting tube between the tank and sprays, to reduce this delay recommend to set the timer (3) so that the injection occurs very often e.g. every second, and adjust the maximum amount of liquid with the knob (4) all unscrewed, as soon as the injections will be done adjust the time (screw 3) and quantity (knob 4).

### VERSION ONE EXIT (WITH VORTEX TUBE)

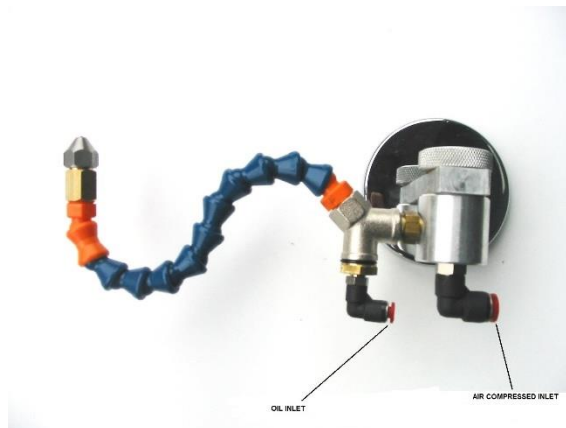


1. Temperature adjusting, by unscrewing the aluminium silencer you can adjust the temperature of outlet air acting on the screw of brass, we suggest not to go below 0 °C otherwise the liquid to be injected could ice with the consequent risk of malfunctioning problems during the injections.
2. Discharge hot air, the device working must download hot air

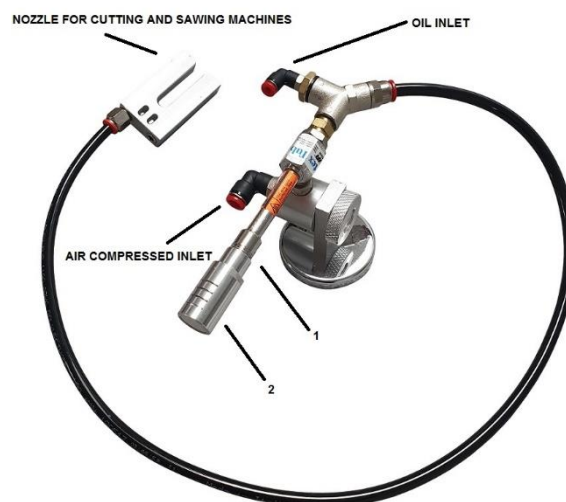
**MINIMAL LUBRICATION AND COOLING  
SYSTEMS FOR MACHINE TOOLS AND  
INDUSTRIAL APPLICATIONS**

**„AIR LUBROCOLD“**

**VERSION ONE EXIT  
(WITHOUT VORTEX TUBE)**



**VERSION FOR SAW MILLS AND CUTTERS  
(WITH VORTEX TUBE)**

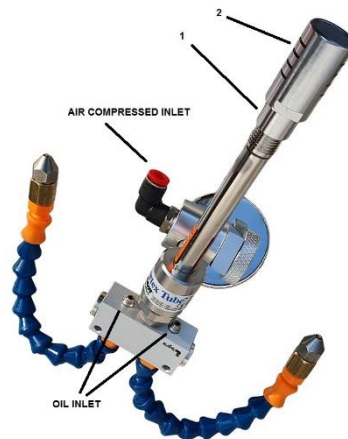


1. Temperature adjusting, by unscrewing the aluminium silencer you can adjust the temperature of outlet air acting on the screw of brass, we suggest not to go below 0 °C otherwise the liquid to be injected could ice with the consequent risk of malfunctioning problems during the injections.
2. Discharge hot air, the device working must download hot air

**MINIMAL LUBRICATION AND COOLING  
SYSTEMS FOR MACHINE TOOLS AND  
INDUSTRIAL APPLICATIONS**

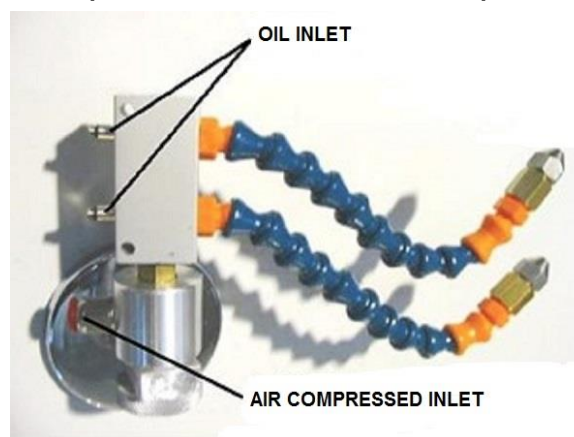
**„AIR LUBROCOLD“**

**VERSION TWO EXIT  
(WITH VORTEX TUBE)**



1. Temperature adjusting, by unscrewing the aluminium silencer you can adjust the temperature of outlet air acting on the screw of brass, we suggest not to go below 0 °C otherwise the liquid to be injected could ice with the consequent risk of malfunctioning problems during the injections.
2. Discharge hot air, the device working must download hot air

**VERSION TWO EXIT  
(WITHOUT VORTEX TUBE)**



**AIR LUBROCOLD SYSTEMS are made in Italy**