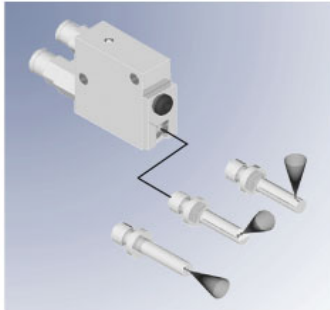


ORSCO Minimum Quantity Oil Spray System



Oil Spray System for Production Lines

Oil Spray System for Extreme Fast Moving Chains

ORSCO spray systems cover the entire oil lubrication range from slow to fast moving chains. It is, however, especially ideal for the lubrication of extreme fast moving chains or for critical applications where over-lubrication or product contamination must be avoided.

Oil Spray Systems for Production Lines

A further application for the ORSCO system is for the oiling of components such as cylinders, shafts etc. in the production, as well as tool lubrication in the metal-forming industry.

Oil and spray-air are only first combined in a special mixing chamber within the nozzle. The compressed air acts merely as a transport medium to carry the minute oil quantity to the point of lubrication (not an oil-mist lubrication).

Each nozzle is supplied intermittently (minimum cycle frequency of 2 Hz) by a pneumatically operated injector pump with a metered amount of oil (15 mm or 60 mm).

Depending on the injector version and the cycle frequency, either an ultra-fine or a thicker oil film is applied.



*Pump Series VS, Without Reservoir
Pump Series VSR, 4L Oil Reservoir*

Orsco Spray Nozzles

Numerous nozzle types, in various versions, enable the ORSCO spray system to cover most applications.

The spray nozzles type "SWN" (as shown) with different spray patterns are used for example in chain lubrication applications. Spray nozzle SWN LP has the connections on the side, while SWN IL has the connections at the back. Please inquire for further detailed information.

Compact Series Pumps

When an existing PLC is available, our standard components can be easily used.

The standard series can accommodate up to 8 injector pumps - with either 15 mm or 60 mm per stroke. The modules are available with or without components such as air solenoids, pressure switches, air filter/regulator, etc.

Where required, we configure & design each pump assembly to exactly match your needs and specific application.

Lubrication System Series

These modules are complete pre-assembled lubrication system stations that include a controller, air solenoid valves, air filter, oil reservoir and injector pumps.

The number and type of injector pumps are selectable. The standard Series 170 system (see photo) is available with up to 16 injector pumps with a choice of 15 mm or 60 mm output per stroke.

The list of equipment for each module can be individually configured from standard components. Please ask us for further details.



*Spray Nozzle - SWN LP, Side Connections
Spray Nozzle - SWN IP, Back Connections*

Please inquire about custom tailored lubrication systems (Series 200 & 300) with more than 16 injector pumps, and/or customer specific controllers, or with additional monitoring functions. We will design a system to your specifications.



Standard System Series 170 Typ 170