

ORSCO Oil-Spray Systems



Frequently Asked Questions	Answer
1 Recommended length of tubing from injector to spray nozzle?	Pulse Spray Nozzle = 25 ft; Continuous Spray Nozzle = 50 ft
2 How can oil lines be bled during start-up?	Opening the petcock on the VS Series stack until bubbles stop.
3 Can an unused injector be blocked off?	NO! – the output is fixed and will pump when system cycles.
4 Define what a "ZONE" is?	A group of injectors that are all operated from the same nozzle air regulator. There is one nozzle regulator per zone.
5 Define what a "NETWORK" is?	A group of injectors that all share the same cycle rate. There is one set of control valves per network.
6 When would you need a system with a "DUAL" regulator?	When you have two distinct groups of line lengths from injector to spray nozzle that vary by more than 15 feet.
7 How can the field service tech check the pumping of system?	Place paper in front of the spray nozzle or disconnect the fitting at the oil output port on the injector and cycle to see if oil is produced.
8 When is the "R" type option required on the series 170?	When you need to control both the injector cycle rate(T timer) and the system on/off time(R timer)
9 What advantage is gained by using a "PULSE" nozzle system?	A pulse-spray nozzle minimizes unwanted oil discharge from the tip, and provides for an intermittent delivery of oil.
10 Why might my system seem connected, but not be working?	"Start/Stop from Customer" signal is not connected (see your electrical diagram for the connection in your electrical control box)
11 How do I know my spray nozzle is in proper working order?	The tip doesn't appear damaged, the nozzle tip is not bent, and when disassembled you can see the check ball & spring are assembled correctly.
12 Why didn't I get a manual with my system?	Manuals are provided with every system. If you don't have it then it was either lost, or is on file with the OEM that provided the system.
13 What is the recommended Spray Nozzle Air Pressure Setting?	The recommended nozzle pressure setting varies with the lubricant viscosity. {5 PSI is a standard pressure level for a SAE 30W fluid}
14 What is the proper Spray Nozzle Installation parameters?	We recommend that the spray nozzle tip be (1) inch or closer to the chain/surface in general.
15 Can I run one air line and divide it to feed the nozzle bodies remotely?	Yes.
16 When would I use the Auxilliary Spray Nozzle Air Port?	When you want to manifold the spray nozzle air feed to a remote point where you then distribute air to the individual spray nozzles.
17 Which spray nozzle family is best for Chain Lubrication?	The SWN Type is the standard "continuous-spray" nozzle family, and it is used in a majority of the systems sold.
18 What is the geometry of the spray pattern from a standard spray nozzle?	The spray pattern is 20 degree cone shape with the standard 0.046" orifice provided in the SWN & TPN spray nozzle families.
19 Why would my oil be migrating into my Nozzle Air Line?	This is possible when using a continuous spray nozzle(SWN, SFN, STN) and the nozzle body is oriented with the tip pointed upward.
20 How do I resolve the oil in my air line issue?	Place a 1/2 PSI check valve in the air line just prior to the spray nozzle. This prevents oil going back into the air line.
21 What is the maximum temperature for a spray nozzle?	The maximum temperature is 350 F(175 C) because that is the limit of the viton check material in the spray nozzle body.
22 What if my application temperature exceeds this level?	Then you will need to use a Remote Tip Spray Nozzle, but this only works for continuous spray applications.
23 What is the viscosity range for lubricants in an ORSCO system?	100 SUS(20 cSt) to 2000 SUS(460 cSt)
24 Does ORSCO make an injector rebuild kit?	No -- if you have a problem with an injector we replace the entire assembly.
25 Why would oil flow at start up, but then not deliver oil soon after?	The reservoir is not vented. This would happen because a vacuum is being create in the reservoir and oil will not feed to the system.
26 How can I increase or decrease the oil applied?	This is done by changing the injector cycle time. If you have a "T" option, then change the timer--faster cycle time more oil and vice versa.