

SERV-OIL SPL Tool and Downstream Single Point Lubricator

Used with A600, A640, D600, & D640

To realize the maximum benefits of the Single Point Lubricator (SPL), an internal oil capillary tube must be connected to the outlet of the SPL and terminate with a check valve to insure a solid column of oil.



Model Shown: Located on page 337

(See **TUBING** section for the available part numbers)

The capillary tubing is sold by the meter with **(A00942M)** and without oil **(00942M)**. It is to be attached to a Single Point Lubricator on one end and have the **420-160** Check Valve installed on the other end. This tubing is to be installed inside the hose or pipe connecting the **SPL** to the pneumatic device being lubricated.



Model Shown: 456-148

(The check valves shown are not supplied with this part)

The **456-148** tool is to be used with the **456-147M** Pliers for installing the **420-160** Check Valve on the oil capillary tubing. It is also used to hold the brass barb (remove from the outlet of the Single Point Lubricator) to attach the oil capillary tubing, for ease of installation in the **SPL**.



Model Shown: 456-147M

The bent-nose pliers shown **(456-147M)** are specially designed for attaching the oil capillary tubing to the brass barb in the outlet port of the Single Point Lubricator and the Check Valve that needs to be installed on the end of the oil capillary tubing. They have a slot milled into the jaws to hold the tubing without crushing it.



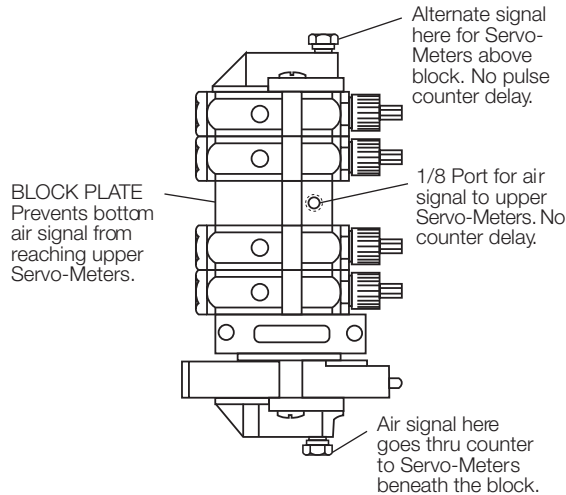
Model Shown: 420-160

The **420-160** Check Valves are to be installed on the end of the oil filled capillary tube. This holds the oil in the tubing until the Single Point Lubricator is operated, dispensing a precise amount of fluid in to the airstream near the inlet of the pneumatic device to be lubricated.



SERV-OIL Accessories

BLOCK PLATE. Used between Servo-Meters in a stack to block air signals. Different actuating air signals can then be used for the two groups of Servo-Meters separated by the block plate. The oil supply, however, is not blocked by the plate.



Block Plate Kit with NPT threadsK474-07T
Includes all necessary seals and assembly hardware. For BSPP threads add suffix W to part number.

CHECK VALVES. Used at lubrication point to keep air out of oil lines. NPT threads, Nitrile seals. For BSPP threads add suffix W to the part number; for Viton seals add suffix letter V. Both straight check valves and right-angle elbow valves are available.

Part No.	Type	Inlet	Outlet
A01242	Elbow	1/8 Female	1/8 Male
A01242L *	Elbow	1/8 Female	1/8 Male
A01244	Elbow	1/8 Female	1/4 Male
A01242S	Straight	1/8 Female	1/8 Male
A01242SL *	Straight	1/8 Female	1/8 Male
A01244S	Straight	1/8 Female	1/4 Male
A01284S	Straight	1/4 Female	1/4 Male
A01284SL *	Straight	1/4 Female	1/4 Male

* = Lower cracking pressure.



Type: Straight
Model Shown: A01242S



Type: Elbow
Model Shown: A01242

PULSE COUNTER KIT for MPLs. A pulse counter can be set to actuate Servo-Meters on every operating cycle, every 5th cycle, or every 10th cycle. Counter Kit KA418-04M includes a counter, and all necessary seals and hardware for mounting.

Used with MPLs

CONNECTORS for TUBING

Connector Part No.	Description	Usage
00142W	1/8" NPT x 1/8"	Nylon or Copper Oil Delivery Lines
00182W	1/8" NPT x 1/4"	Nylon or Copper Oil Delivery Lines
001124W	1/4" NPT x 3/8"	Nylon or Copper Air Signal or Oil Delivery Lines
02942M	Double Barbed Connector for Splicing 1/8" Tubing	Oil Delivery Lines

Note: Tube fittings are not available with BSPP threading

TUBING. Tubing lengths should be specified as shown below:

Tubing Part No.	Description	Usage
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NON-FILLED TUBING

00942M-*	1/8" O.D. Nylon	Oil Delivery Lines
B00942M-@	1/8" O.D. Nylon	Oil Delivery Lines
B00942F-#	1/8" O.D. Nylon	Oil Delivery Lines
00984M	1/4" O.D. Nylon	Air Signal Lines

PRE-FILLED TUBING (tubing is filled and capped)

A00942M-@	1/8" O.D. Nylon,	Oil Delivery Lines
A00942F-#	1/8" O.D. Nylon,	Oil Delivery Lines

* = 1 inch of tubing. Ex: -12 = 12 inches.

@ = 1 meter of tubing. Ex: -12 = 12 meters

= 1 Foot of tubing. Ex: -12 = 12 feet.

CHECK VALVE FOR TUBING (Check valve is necessary for proper function): 420-160

REPLACEMENT KITS for SERVO-METERS.

Seals for the air end are Nitrile; seals for the oil end are available in three different materials: Nitrile, Viton, or Ethylpropylene. For satisfactory service it is recommended that replacement kits can be installed on both the air end and the oil end.

Servo-Meter	Buna-N Seals for Air End	Buna-N† Seals for Oil End
1/2 Drop, Non-shutoff	KA457-37M-5	KA457-12-5I
1/2 Drop, Shutoff	KA457-38M-5	KA457-12-5I
1 Drop, Non-shutoff	KA457-37M-1	KA457-12-1I
1 Drop, Shutoff	KA457-38M-1	KA457-12-1I
2 Drops, Non-shutoff	KA457-37M-2	KA457-12-2I
2 Drops, Shutoff	KA457-38M-2	KA457-12-2I

† For Oil End Seals only: Add suffix V for Viton seals. Add suffix E for EPR seals.



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