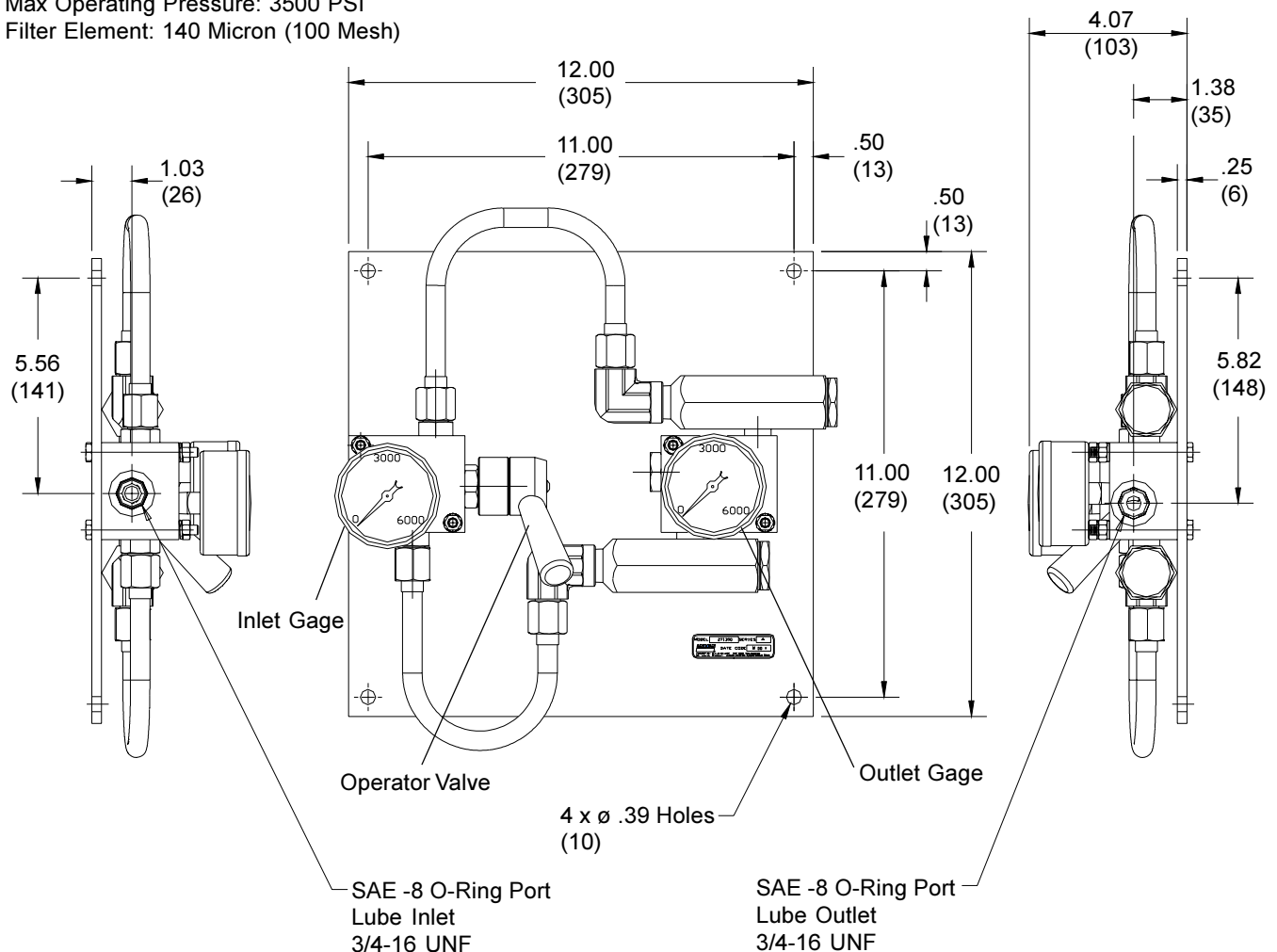


**MODEL 85419
 DUPLEX FILTER ASSEMBLY**



SPECIFICATIONS:

Max Operating Pressure: 3500 PSI
 Filter Element: 140 Micron (100 Mesh)



Description

The Model 85419 Duplex Filter Assembly is a filtering system which incorporated two independent filter assemblies - only one filter is in use at any one time. Filter selection is made with a single operator handle which visually indicates the filter in use.

Two pressure gages indicate the status of the filter element in use.

The Duplex Filter Assembly utilizes the operator valve and shuttle check to:

1. Allow for immediate change over to a clean filter element.
2. Isolate the filter, which is not in use, from the system pressure so that the element can be changed without shutting the system down or bleeding off the pressure.

Operation

Operator Valve: is used to select which filter is in use. The position of the operator handle will indicate the filter in use. Moving the operator handle up will select the top filter, while moving the handle down will select the lower filter.

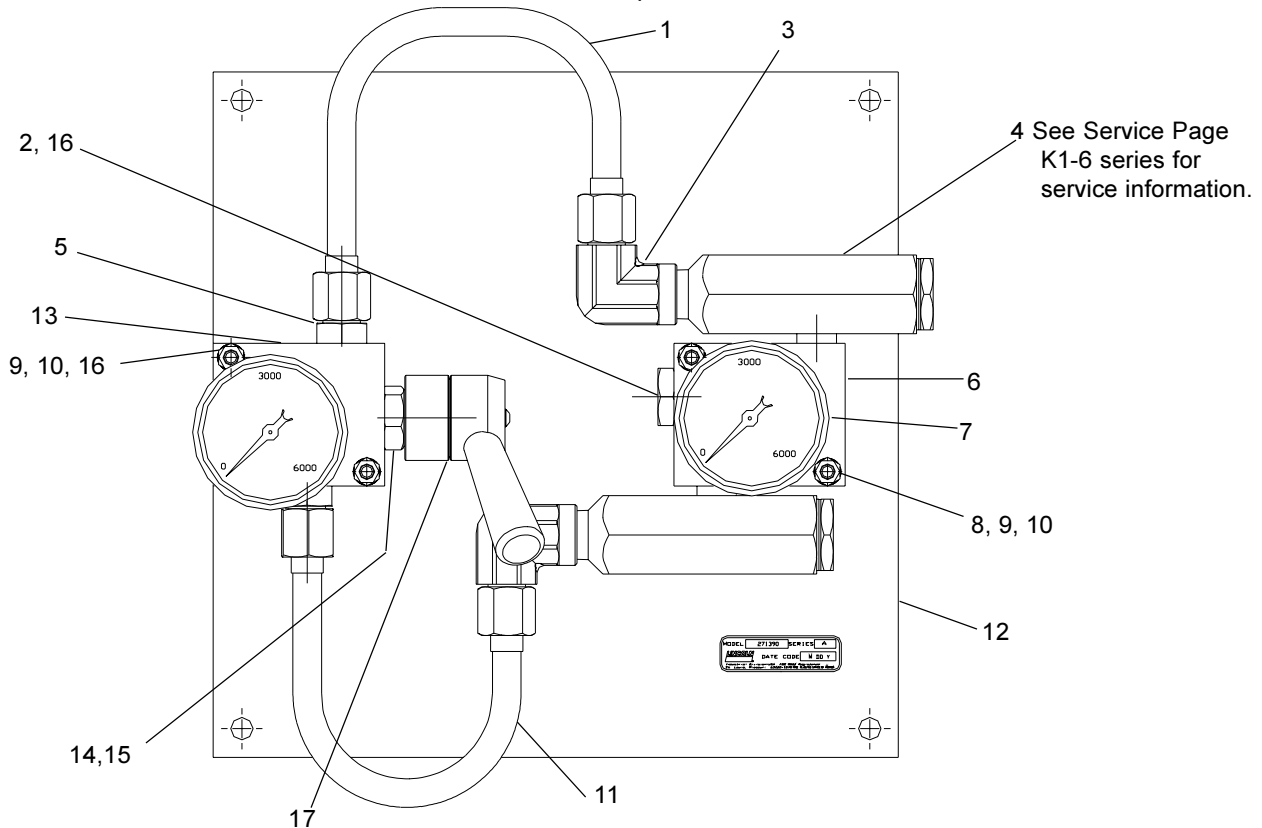
The operator valve, with the shuttle check valve will isolate the unused filter so that a dirty filter element can be changed without the need for shutting down the lube system.

Filter Status Indicators: consist of two pressure gages, one on the inlet side and one on the outlet side of the filter assembly. A clogged filter will be indicated when the inlet pressure gage exceeds the outlet gage. Note that due to variations in gages there may always be a difference in gage reading. When a new filter is installed, the pressure reading should be noted as a base line for future monitoring of filter conditions.

If a high differential of gage readings is observed, the operator handle should be moved immediately to the alternate filter position, and the dirty filter should be changed.

Operation with dirty filters for an extended time may result in the filter element bursting and contaminating the system with trapped dirt and filter element debris.

Changing Filter Elements: To change filter elements be sure the operator handle is moved into the direction of the operating filter. The alternate filter element may be changed by carefully removing the end plug from the filter which is not in use. A slight amount of lubricant may seep past both valves while the panel is under pressure. This is normal. If volume of lubricant leaking through valve is substantial, service to the valve assembly or check is indicated. Refer to Service Page K1-6 series for filter elements and filter components.



SERVICE PARTS

Item No.	Description	Part No.	Qty.	Item No.	Description	Part No.	Qty.
1	Tubing Assembly	271396	1	9	Nut, 1/4-20	51010	4
2	SHUTTLE Valve	271394	1	10	1/4 Lock Washer	66186	4
3	90° Elbow	271389	2	11	Tubing Assembly	271393	1
4	Filter Assembly	84004	2	12	Mounting Panel	271388	1
5	Adapter	271413	2	13	Filter Inlet Block	271392	1
6	Filter Outlet Block	271391	1	14	Valve Ass'y (including items 15 & 16)	271395	1
7	Pressure Gage	69910	2	15	O-Ring Kit (for valves only)	271600	2
8	Cap Screw 1/4-20 x 2 1/2"	50062	2	16	Cap Screw 1/4-20 x 2 3/4	271412	2
				17	Valve Operator	271450	1

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