

Reduce Operating Costs Through Improved Aircraft System Performance

A Systems Approach to Contamination Control
Pall PE01078 Series Portable Fluid Purifier:

Hydraulic Problem:



Premature component failures



Pall Solution:

Remove particulate contamination

- › Reduce fatigue of bearings, gear surfaces, pumps, actuators



Component corrosion / fluid breakdown



Remove water

- › Reduce oxidation



Spongy system response



Remove air

- › improve bulk fluid modulus



Reservoir Vent Filter Dryer

Discharge Filter Element Spin-on
Replacement Instructions found on pg. 14 of Manual PLM-TM-97059*



Inlet Air Breather Filter

Replacement Instructions found on pg. 15 of Manual PLM-TM-97059*

V-Belt

Replacement Instructions found on pg. 44 of Manual PLM-TM-97059*

Coalescing Filter Element (inside white housing)

Replacement Instructions found on pg. 14 of Manual PLM-TM-97059*

*U.S.A.F. Tech Order 35M15-3-9-21

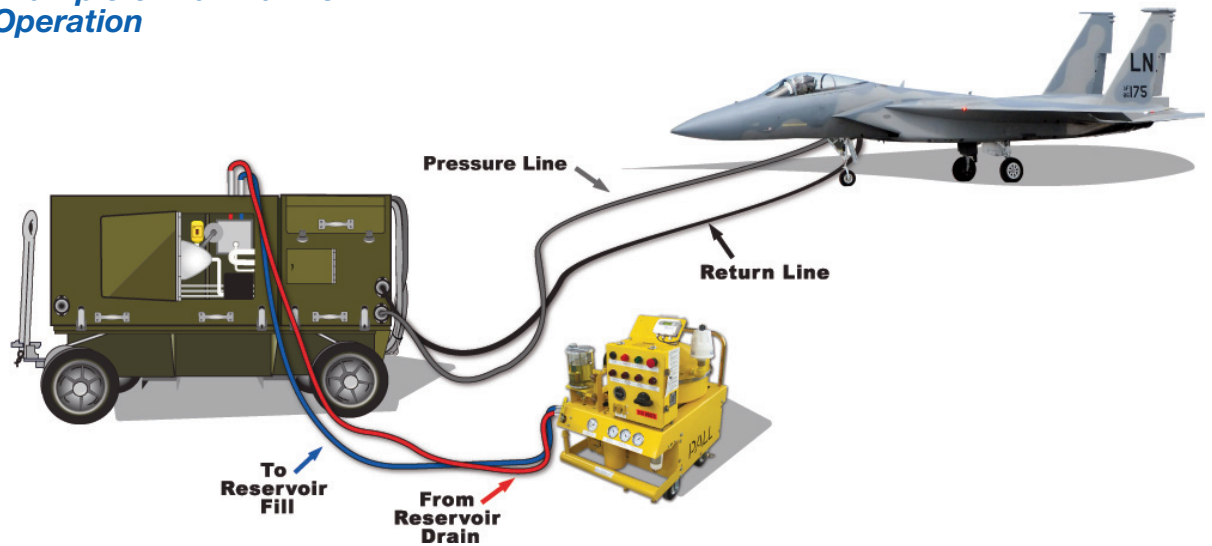
Reduce Operating Costs!

- » Significantly Extend Component Life
- » Decrease Maintenance
- » Increase Mission Availability
- » Recycle Fluid / Significantly Reduces Waste

Table 1: Pall PE01078 Series Portable Fluid Purifier - Spares List

Description	Replacement QTY 1 Year Supply	Seal Code	Seal Material	Pall Part Number	NSN
Inlet Air Breather Filter	4			AA9500D2288H6	1650-01-532-9775
V-Belt	1			PA00440D2154	3030-01-529-3952
Coalescing Filter Element	3	H	Buna N (Nitrile)	AA4463F1	4330-00-300-7749
		Z	Fluoroelastomer	AA4463F1Z	
		J	EPR	AA4463F1J	
Spin-On Discharge Filter Element	6	H	Buna N (Nitrile)	GC00273F168H	4330-01-357-2519
		Z	Fluoroelastomer	GC00273F168Z	
		J	EPR	GC00273F168J	
Reservoir Vent Filter Dryer Assembly	1		Buna N (Nitrile)	VD-00165-16W7	4330-01-287-4060
► Replacement Filter	1			VC-00165-F16W7	TBD
► Adaptor	1			GB-00165-D16	4730-01-566-2037

Example of Pall Purifier Operation



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