Troubleshooting Guide

THE ISSUE	PROBABLE CAUSE	SOLUTION
Initial pressure drop too high.	Housing is undersized.	Install larger filter housing
	Too fine of a filter grade chosen Packing material not removed from filter	Install coarser filter element. Remove packing material.
	Too much oil/water from compressor.	Pre-coalesce with Grade 70C – oversize housing.
Extremely short element life. Filter element quickly plugs.	Large amount of particulate in system.	Utilize a pre-filter, baffle (catch pot) or pleated element to capture large particulate.
	Element is "blinded- off" by viscous material; A combination of oil and fine particulate.	Utilize coarser element and/or baffle (catch pot) housing.
	Excessive lubricants present on element caused by either extreme lubricant viscosity or very high inlet aerosol level.	Pre-filter with Grade 70C or 70CS and oversize filter housing.
	Oil/water emulsion forming on element.	Remove water by drip leg, after cooler. Install mechanical separator.
	Too low of an environment temperature. Ice forming inside housing.	Increase temperature. Install heater.
Fast loop housing plugging quickly.	Element micron size is too large. (Yes, too large)	Install a tighter element, too flush the element clean. See Fast Loop Sheet
	Too large of a filter assembly installed for application flow rate.	Install smaller Fast Loop assembly.
Membrane plugging	Large amount of particulate in system.	Utilize a pre-filter, baffle (catch pot) or pleated element to capture large particulate.
	Flow rate too high.	Go to larger membrane or use 30K/30C coalescing filter assembly.

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Oil/Water/Liquids present down-stream of filter	Bowl not properly drained of waste liquids.	Drain regularly, use auto drain.
	No element in housing.	Install Element.
	Element not sealing.	Tighten element, or replace.
	Filter piped backwards.	See Installation Guide. Inlet for coalescing is deep port or port marked #2.
	Foreign material in filter housing/packing material.	Remove material.
	Contaminated air entering system from second source downstream.	Change pipe or relocate filter.
	Oil vapors condensing downstream.	Install an adsorber CC type element. Cool system temperature so not to create vapor.
	Excessive oil /water at inlet.	Pre-coalesce with Grade 70C or 70CS and possibly oversize.
	Element damaged, chemically attacked.	Consult United Filtration directly at 1-800-311-5561.
	Oil present in pre-contaminated down-stream piping.	Change piping.
	Excessive flow surges.	Relocate filter Install 70C / 70CS.
	Temperature of system too high.	System needs to be ambient temperature coalescer.
	Float drain plugged.	Wash out float drain.
Float drain problems	Housing not mounted properly.	Mount vertically.
	Float drain does not seal.	Float drain requires 10 psig to operate properly.
	In vacuum systems.	Cannot be used in Vacuum systems. Remove float drain, install manual drain.
	Float drain plugged.	Wash out float drain.