

HEAT TRANSFER FLUID & OIL FILTRATION SYSTEM

- Patented System Cleans Fluids Without Disrupting Process Operation
- Reduce Wear of Seals, Pumps, Valve Stems, etc.
- Reduce Fouling in Heat Exchanger Surfaces
- Minimize Unscheduled Maintenance Down Time
- Reduce Overall Heat Transfer Fluid Costs
- Increase Heat Transfer Efficiency
- Increase Production Rates



HTF SERIES

Flow Rates 5 USGPM or 19 LPM
to 100 USGPM or 379 LPM



**LIQUID
PROCESS
SYSTEMS, INC.**

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TO 650°F or 345°C
& 150 PSIG or
10.5 BAR

HTF SERIES SPECIFICATIONS

MODEL	FLOW RATE	INLET/OUTLET	ESTIMATED DIMENSIONS		ESTIMATED WEIGHT		NO. of ELEMENTS*
			HxD	IN/CM	LBS	KG	
HTFA10C	5 USGPM or 19 LPM	1" or 25.4 mm NPT or SW	24"	10" 51x19	40 LBS or 18 KG		1
HTFB10C	15 USGPM or 57 LPM	1" or 25.4 mm NPT or SW	44"	10" 102x19	60 LBS or 27 KG		1
HTFC10C	30 USGPM or 114 LPM	1.5" or 38 mm SW or FLG	50"	15" 117x28	175 LBS or 80 KG		2
HTFD10C	60 USGPM or 227 LPM	2" or 51 mm SW or FLG	53"	19" 117x38	250 LBS or 114 KG		4
HTFE10C	100 USGPM or 379 LPM	2" or 51 mm SW or FLG	53"	22" 134x46	350 LBS or 159 KG		7

*Elements range from 100, 50, 25 and 10 microns particle size removal.

PARALLEL INSTALLATION ►

Install filter between the "To Process" and "From Process" pipes for maximum differential pressure utilization. This also ensures side stream filtration, throttling the flow through the filter using the outlet valve on the filter. Install 1" NPT or Socket weld isolation valves on the pressure inlet and outlet. Purge all air from the filter using the vent valve on top. Note the inlet and outlet pressures to monitor loading of the equipment. Replace the element when the (ΔP) (differential pressure) reaches 25 PSID.

SERIES INSTALLATION ►

Install filter on the "From Process" pipe. Install 1" NPT or Socket weld isolation valves on the filter inlet and outlet. Install a by pass around the filter including a by pass throttle valve. Throttle valve must always be partially or fully open, never closed to ensure side stream filtration of the oil. Purge all air from the filter using the vent valve on top. Note the inlet and outlet pressures to monitor the loading of the element. Replace the element when the (ΔP) (differential pressure) reaches 25 PSID.

