

# HIGH PURITY NORTHWEST INC.



## KIDNEY LOOP FILTRATION SYSTEM

# KIDNEY LOOP FILTRATION SYSTEM

The KL Series offline oil filtration system is available in a range of flow rates to satisfy any reservoir size. Several filtration options are available including depth, microglass, paper and water absorptive medias. Our designs are based on years of experience and customer feedback. We use only high quality materials to insure years of trouble free operation.



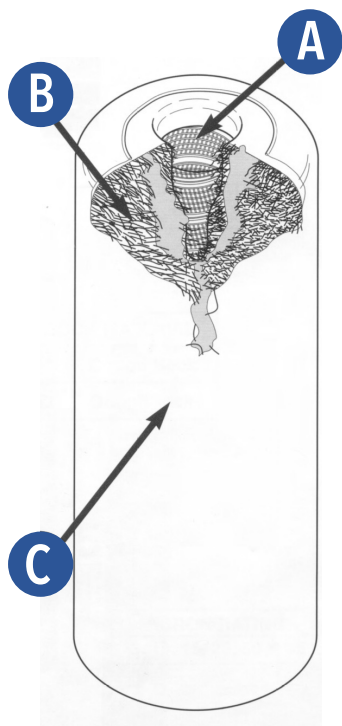
## STANDARD FEATURES

- 480V/3 Phase/60 Hz
- Positive Displacement
- TEFC Motor
- Robust Filter Housing with Swing Bolt Closure and Accepts (1) 6"x39" Microglass Coreless Filter Element with Internal Bypass.
- $\beta_{x[c]} \geq 1000$  Microglass Filter Media Coreless Filter Element with 45 PSID By-Pass Valve
- Differential Pressure Gauge
- NEMA 4 Control Panel with Main Disconnect, Dirty Filter Light and Run Light
- Heavy Duty Base with Drip Lip and Fork Lift Slots
- Inlet and outlet Connections with Isolation Valves
- All Components piped together with Stainless Steel Hydraulic Tubing
- Various Heater Options

## OPTIONS

- Depth Media for Varnish & Sludge Removal
- Water Removal Capabilities
- Automatic Air Release
- Parker iCount Particle Counter with Moisture Monitor
- Oil Heater
- Oil Cooler
- Stainless Steel Construction
- 5"x18 or 5"x37" Filter Housing





## OPTIONAL DEPTH FILTER

The varnish removal filter is a combination of wood and cotton fiber medias adding exceptional depth filtration performance. Depth filtration is proven successful at removing water, varnish, sludge and acid from lubricating oils.

- A** Spiral lockseamed center tubes have high collapse strength and good flow characteristics.
- B** Media is blended and rolled with automated tensioning devices for a wide range of micron efficiency ratings.
- C** Cotton or acrylic outer socks provide broad fluid compatibilities.



Standard Coreless  
Filter Element

[www.highpuritynorthwest.com](http://www.highpuritynorthwest.com)

[sales@hpnwinc.com](mailto:sales@hpnwinc.com)

Local: (206) 782-2388 | Toll free: (866) 220-5118

2031 196th St. SW Ste. B102, Lynnwood, WA 98036



## KIDNEY LOOP FILTRATION NOMENCLATURE

Flow Rate		Power		Filter		Heater		Seals		Options	
Flow Rate		Power		Filter (βx(c)=1000)		Heater		Seals		Options	
5	5 GPM	23	230 VAC, 1Ph, 60 Hz	1	2.5 micron	Blank	No heat	V	Viton (std)	LPC	Laser Particle Counter
10	10 GPM	235	230 VAC, 1Ph, 50 Hz	3	5 micron	1	1 KW	E	EPR	PA	Purged Panel - Explosion Proof
15	15 GPM	233	230 VAC, 3Ph, 60 Hz	6	7 micron	3	3 KW *3 phase only				
20	20 GPM	24	240 VAC, 3Ph, 50 Hz	12	12 micron	5	5 KW				
30	30 GPM	38	380 VAC, 3Ph, 50 Hz			12	12 KW				
50	50 GPM	46	460 VAC, 3Ph, 60 Hz			16	16 KW				



[www.highpuritynorthwest.com](http://www.highpuritynorthwest.com)

Local: (206) 782-2388 | Toll free: (866) 220-5118

March-2015