KLCO Kidney Loop with Change-Over

Model No. of filter in photograph is KLCO40..BB...

Model No. of filter in photograph is KLCO40..PCSI

Features and Benefits

- Continuous fluid conditioning without the need to shutdown for filter element replacement
- Exceptional fluid conditioning with high capacity, high efficiency filtration
- Flexible, application-specific fluid processing with 3, 7, 10, and 14gpm processing rates
- Monitor important fluid condition parameters with the optionally integrated HY-TRAX® Fluid Sampling System

Description

The Kidney Loop with Change-Over (KLCO) system is a stationary off-line fluid conditioning system for removing solid particle and free water contamination. The KLCO features an RLD (25DN or 40DN sizes) series duplex-type filter, allowing users to change the direction of flow through one of two filters, and the ability to replace filter elements without shutting the system down. This is particularly beneficial in fluid conditioning applications where continuous filtration and contamination control is necessary.

Fluid Condition Monitoring

HY-TRAX® manual fluid sampling system: Schroeder now offers the HY-TRAX® manual fluid sampling system as an option allowing for real-time fluid condition monitoring. For more information, please see page 102.

CSI-C-11: Schroeder also offers the CSI-C-11 Communication Interface for WLAN or LAN transmission of data and data storage capabilities. For more information, please see page 38.

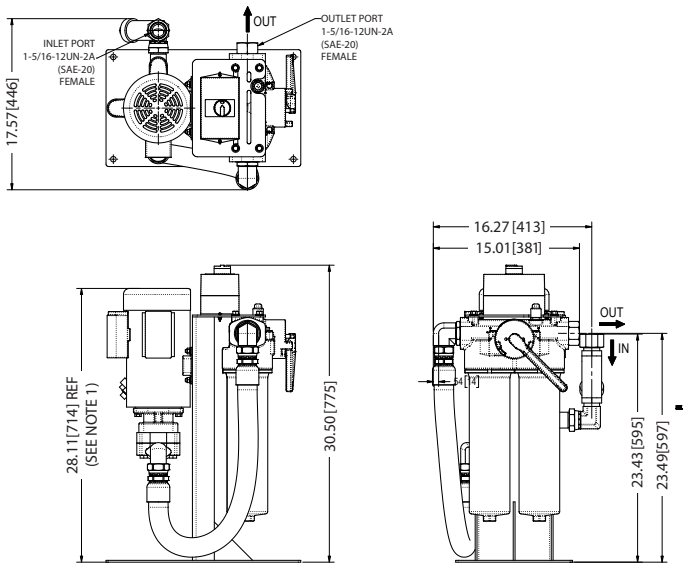
Specifications

Pump Type:	Vane type
Flow Rate:	3 to 14 gpm (model dependant)
Permissible Operating Pressure Range:	-6 psi to 87 psi max
Viscosity:	7/14 gpm: 40 to 1,000 SUS (4 to 216 cSt); 3/10 gpm: 40 to 2,500 SUS (4 to 540 cSt)
Fluid Compatibility:	All petroleum-based hydraulic fluid. Contact factory for use
Fluid Temperature Range:	33°F to 150°F (-4°C to 65°C)
Seal Material:	FKM (Viton®)

Note: SAE connections when using supplied adapters; BSPP connections when supplied adapters are not used.
Housing drain standard on all models.

Kidney Loop with Change-Over KLCO

Dimensions



KLCO40DNXXXB14

Dimensions in inches (mm)

Model Number Selection

How to Build a Valid Model Number for a Schroeder KLCO:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7
KLCO						

Example: NOTE: One option per box

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7	
KLCO	40	DNZ5	B		14		= KLCO25DNZB14

BOX 1

Model
KLCO

BOX 2

Element Length
25 = RLD - 25 (25 cm)
40 = RLD - 40 (40 cm)

BOX 3

Element Size and Media
DZN5 = DN size 5 µm synthetic media
DZN10 = DN size 10 µm synthetic media
DZN25 = DN size 25 µm synthetic media

BOX 4

Seal Material
B = NBR (Buna-N®)
V = FKM (Viton®)

BOX 5

Voltage
Omit = 115V AC / 60Hz / 1 Ph.
A = 230V AC / 60Hz / 3 Ph.
B = 460V AC / 60Hz / 3 Ph.
C = 220V AC / 50Hz / 1 Ph.
D = 230V AC / 60Hz / 3 Ph.

BOX 6

Pump Size
3 = 3 gpm (for up to 2,500 SUS)
7 = 7 gpm (for up to 1,000 SUS)
10 = 10 gpm (for up to 2,500 SUS)
14 = 14 gpm (for up to 1,000 SUS)

BOX 7

Options
P = HY-TRAX Contamination Monitoring System
CSI = CSI-C-11 Sensor Interface Option for data acquisition
CSIW = CSI-C-11 Sensor Interface Option for data acquisition with AS1008 Water Saturation Sensor (only with PC option)

Consult Factory for special options.
Not all combinations available.