



LR-Series

ISOPur LR-Series Fluid Purification

Treatable Fluids

- Lubricating oil
- Hydraulic oil
- Phosphate ester
- Machining oil
- Diesel fuel
- Vegetable oil
- EDM fluid
- Dielectric fluids
- Many other non-conducting fluids



The ISOPur **LR-Series** is the smart purification solution for fluid flow rates in the 30 to 150 GPH (100 to 600 LPH) range. The LR-Series contains ISOPur's patented Balanced Charge Purification (BCPTM) technology, which maintains hydraulic and lubricating fluids in pristine condition and *prevents/removes the buildup of sludge and varnish*. BCPTM is paired with the intelligence of SmartPakTM, which automatically senses fluid condition and adjusts accordingly.

The ISOPur Mission

ISOPur Fluid Technologies delivers advanced, sub-micron purification systems for hydraulic oil, lubricating oil and other non-conducting fluids used in industrial and commercial applications. ISOPur provides a dramatic return on investment by reducing maintenance costs, extending the life of capital equipment, and reducing waste disposal.

LR-Series Features

- Contaminant removal to the sub-micron level
- Prevention of sludge and varnish formation
- Removal of oxide insolubles and biological contamination
- Removal of ferrous and non-ferrous contamination
- Highest flow rates in the industry

Available Options

- On-board particle monitor
- Explosion Proof Certified (Class 1, Div. 2, Groups C & D)

LR-Series Standard Specifications



LR-Series PLC Display

SmartPak™ Features

SmartFlow

- Automatic temperature, pressure, & flow sensing
- Optimizes flow rate

Filter Minder

- Filter change auto-reminder
- Unusual flow/pressure alarms

SmartView

- Displays real-time conditions
- Easy custom programming

| | USA | International |
|----------------------------|---------------------------------|---------------------|
| Flow rate | 30 to 150 GPH | 100 to 600 LPH |
| Dimensions (H x W x D) | 43in x 20in x 24in | 108cm x 52cm x 61cm |
| Servicing area (H x W x D) | 55in x 32in x 36in | 140cm x 81cm x 91cm |
| Filter change area | 24in from top of unit | 61cm |
| Weight dry | 132 lbs | 60 kg |
| Weight wet | 165 lbs | 75 kg |
| Pump discharge pressure | 12 to 80 PSIG | 0.8 to 5.5 Bars |
| Fluid temperature range* | 65 to 200 F | 18 to 93 C |
| Minimum fluid flash point | 140 F | 60 C |
| Pump type | Positive displacement | |
| Electric motor | ISOPur | |
| RPM | 900 to 1800 | |
| Power | 0.5 hp | 0.37 Kw |
| Mains supply (Volts/Hz) | 115-480/60 | 230-400/50 |
| Amps | Dedicated 15 Amp branch service | |
| Fluid viscosity* | 2 to 220cSt at 40 C | |
| Ambient humidity range | Up to 95% non-condensing | |
| Pre-filter | ISOPur custom | |
| Collection cartridge | ISOPur custom | |
| Transportation & storage | 0 to 132 F | -18 to 55 C |
| Suction connection | 0.5" NPT | 1.27 cm |
| Discharge connection | 0.5" NPT | 1.27 cm |

