

ISOPur LR20 Multi-Tek Features

- Contamination removal to the sub-micron level
 - Prevention and Removal of sludge and varnish
 - Removal of insoluble oxides and biological contamination
 - Removal of ferrous and non ferrous contamination
 - Efficient and highly effective water removal with coalescer option
 - Extends the life of antioxidant additives by removing products of oxidation
 - Custom water and acid removal technologies are simple field modifications
- Treatable Fluids**
- Lubricating Oil
 - Hydraulic Oil
 - Phosphate Ester
 - Machining oil
 - Diesel Fuel
 - Vegetable oil
 - Edm Fluids
 - Turbine Oil

Isopur LR20 Series Multi-Tek Fluid Purification

The ISOPur LR20- Multi-Tek Series is the smart purification solution for treating fluid flow in the 30-120 GPH (114 to 454 LPH) range. The LR20 Multi-Tek contains ISOPur's Balanced Charge Agglomeration (BCATM) technology, which maintains hydraulic and Lubricating fluids in pristine condition to prevent and removes the buildup of sludge and varnish. BCATM is paired with the intelligence of SmartPakTM which automatically senses fluid condition and adjusts accordingly.

The LR20 Multi-Tek Series is also available with bolt-on options that make use of the advanced technologies developed by our partners to solve diverse oil problems. These options include:
 Acid removal using the new Hilliard Dry resin acid removal system.
 Custom water removal systems to match your requirements.

All versions of the LR20 Multi-Tek Series contain the new advanced Charging and Mixing Unit (Patent Pending)



LR20 Multi-Tek Acid Removal Option

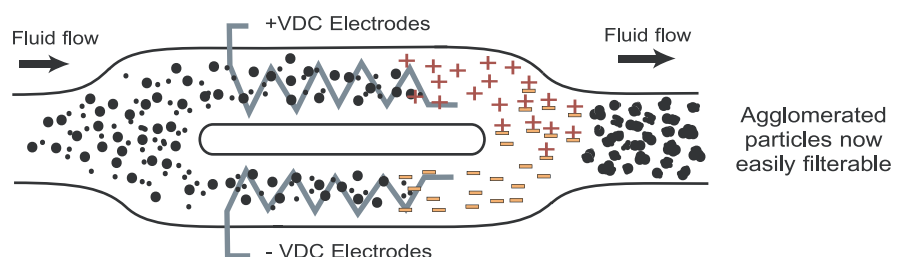


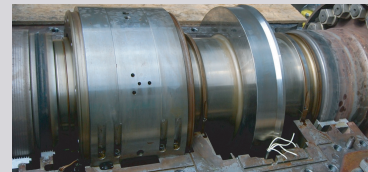
LR20 Multi-Tek Water Removal Option

What is BCATM?

What is BCATM? Balanced Charge Agglomeration (BCATM) works by pumping non-conducting fluids past electrodes that ionize contamination particles equally positive (+) and negative (-). The oppositely charged particles are mixed, attract to each other, and grow in size. These agglomerated particles are then easily removed by traditional filtration methods.

BCATM Process





SmartPak™ Features



LR Series PLC Display

SmartFlow

Automatic Temperature,
Pressure, and Flow

Optimizes Flow Rate

FilterMinder

Filter Change Auto Reminder
Unusual Flow/Pressure Alarms

SmartView

Display Real-Time Conditions
Easy Custom Programming

Phosphate Ester Standard

Options:

Simplified Version
No PLC
Two Speed Operation
Mechanical Gauge

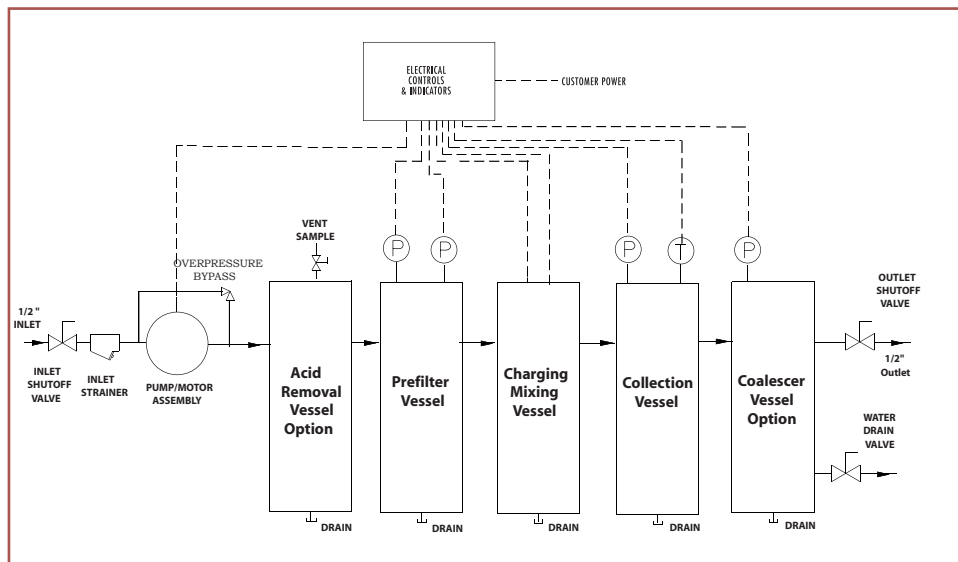
Explosion Proof:
NEMA 7, NFPA, ATEX

Casters

Multi-Tek

Acid Removal
Water Removal

ISOPur LR20 Multi-Tek Specifications



	USA	International
Flow Rate	30 to 120 GPH	114 to 454 LPH
Dimensions (H x W x D)	39in x 25in x 21in	100cm x 64cm x 53 cm
Servicing Area (H x W x D)	39in x 33in x 45in	100cm x 84cm x 115 cm
Filter Change Area	5.3in under Vessel	13cm
Weight Dry	155 lbs	70 kg
Weight Wet	179 lbs	81 kg
Pump Discharge Pressure	2 to 80 psig	0.14 to 5.5 Bars
Fluid Temperature Range	65 to 200 deg F	18 to 93 deg C
Minimum Flash Point	140 deg F	60 deg C
Pump Type	Positive Displacement Gear Pump	
Motor	TEFC, EPFC, ATEX	
RPM	600 to 1800 RPM	
Power	0.5 HP	0.375 Kw
Mains Supply (Volts/Hz)	115/60	220 -240/50
Amps	Dedicated 15 Amp Branch Service	
Fluid Viscosity*	2 to 220cSt at 40 deg C	
Ambient Humidity Range	Up to 95% Non-condensing	
Pre-filter Cartridge	ISOPur Custom	
Collection Filter Cartridge	ISOPur Custom	
Storage Ambient	0 to 132 deg F	-18 to 55 deg C
Suction Connection	0.5 in NPT	0.5 in NPT
Discharge Connection	0.5 in NPT	0.5 in NPT