



## Alliance VR Features

### Balanced Charge Agglomeration (BCA<sup>®</sup>) Technology

#### Mitigates Varnish through:

- Submicron contaminant removal
- Removal of sludge and varnish precursors
- Removal of ferrous and non-ferrous contamination

Increases water removal efficiency of depth media

Extends the life of antioxidant additives by removing products of oxidation

Highest flow rates in the industry

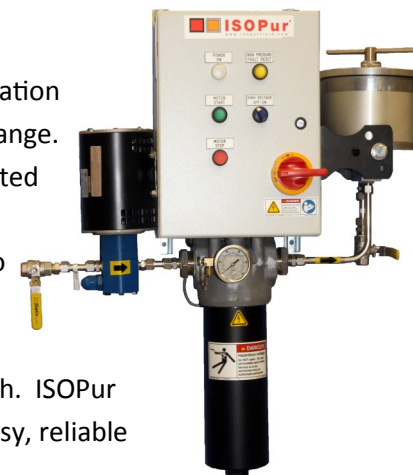
#### Treatable Fluids

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

## ISOPur Alliance VR—Varnish Removal

### Join the Alliance!

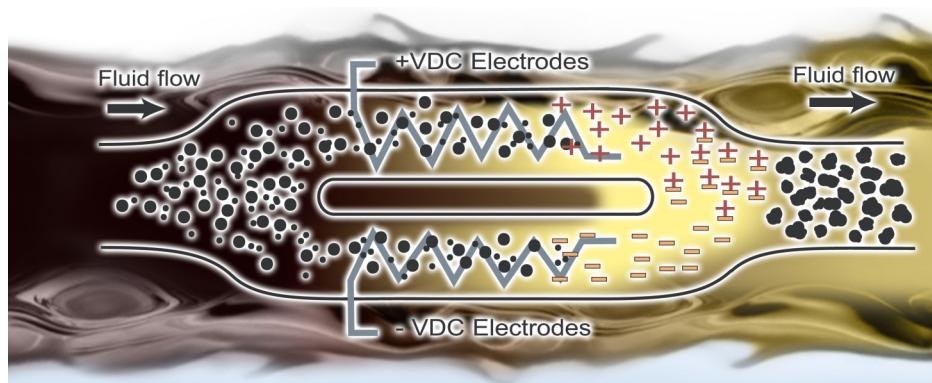
The ISOPur Alliance VR is the smart purification solution for 30 GPH flow rates (114 LPH) range. The Alliance VR combines ISOPur's patented Balanced Charge Agglomeration (BCA<sup>®</sup>) technology with Depth Media Filtration to maintain hydraulic and lubricating fluids in pristine condition by preventing and removing the buildup of sludge and varnish. ISOPur combines BCA<sup>®</sup> with simple controls for easy, reliable operation and proven results.



### BCA<sup>®</sup> Benefits

- Removal of pre-existing varnish
- Sub-micron particle removal
- Enhances current filtration
- Highest flow rate in the industry
- Quicker oil and system clean-up
- Reduced maintenance & repair costs
- Extended equipment life

### BCA<sup>®</sup> Process Sub-micron Purification



**1.** Fluid enters the ISO-Pur Charging and Mixing Unit (CMU) and the flow is split into two paths.

**2.** Particles in the two paths are electrostatically charged positive and negative by electrodes.

**3.** The oppositely charged particles attract and agglomerate to form large particles that are removed by the filtering system.



## Already have depth media??

### Don't Go It Alone...

ISOPur's **Alliance BCA**<sup>®</sup> can be added upstream of your existing depth media filtration system\* to give it an extra boost.

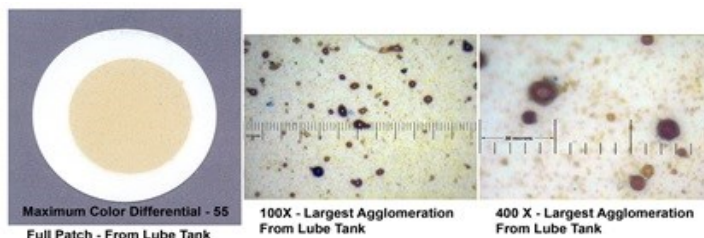
ISOPur's BCA<sup>®</sup> Technology improves existing depth media filtration's ability to remove oxidative byproducts and submicron contaminants that are the precursors to varnish.

\*Additional pump & motor may be necessary to provide proper flow rate.

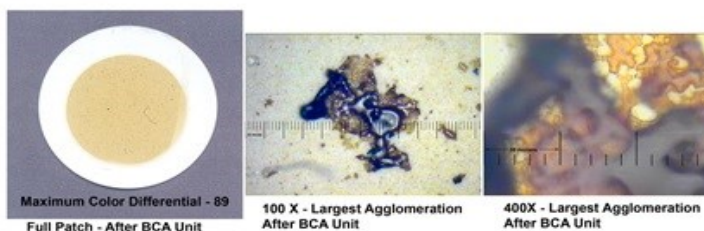


## Alliance boosts your filtration...

Submicron particles cannot be captured by depth media filtration alone.



Alliance's BCA<sup>®</sup> Technology, agglomerates submicron contaminants into particles large enough to easily be captured and contained by depth media filtration.



## ISOPur Alliance VR Specifications

	USA	International
Flow Rate	1/2 GPM	1.9 LPM
Dimensions (H x W x D)	36in x 27in x 13in	92cm x 69cm x 33cm
Servicing Area (H x W x D)	42in x 36in x 24in	107cm x 92cm x 61cm
Filter Change Area	6in above vessel	15cm above vessel
Weight Dry	93 lbs	42.3 Kg
Weight Wet	105 lbs	47.6 Kg
Pump Discharge Pressure	2 to 80 psig	0.14 to 5.4 Bar
Fluid Temperature Range	90 to 200° F	32 to 93° C
Minimum Flash Point	140° F	60° C
Pump Type	Positive Displacement Gear Pump	
Motor	ODP	
RPM	1725 to 1425 RPM	
Power	1/3 HP	0.25 Kw
Main Supply (Volts/Hz)	115/60	220-240/50
Amps	Dedicated 15 Amp Branch Service	
Fluid Viscosity*	9 to 180cSt at 40° C	
Ambient Humidity Range	Up to 95% Non-condensing	
Filter Cartridge	ISOPur Custom	
Storage Ambient	0 to 132° F	- 18 to 55° C
Suction Connection	3/8 in NPT	3/8 in NPT
Discharge Connection	SAE-6 (9/16-18)	SAE-6 (9/16-18)