



ISOPur MR - IECEx Balanced Charge Agglomeration for Offshore and Explosive Environments

MR-Series Features

Balanced Charge Agglomeration (BCA[®]) Technology

Contaminant removal to the sub-micron level

Prevention and removal of sludge and varnish

Removal of oxide insolubles and biological contamination

Removal of ferrous and non-ferrous contamination

Efficient and highly effective water removal with coalescer option

Highest flow rates in the industry

Extends the life of antioxidant additives by removing products of oxidation

Treatable Fluids

Lubricating oil

Hydraulic oil

Phosphate ester

Machining oil

Diesel fuel

EDM fluid

Dielectric fluids

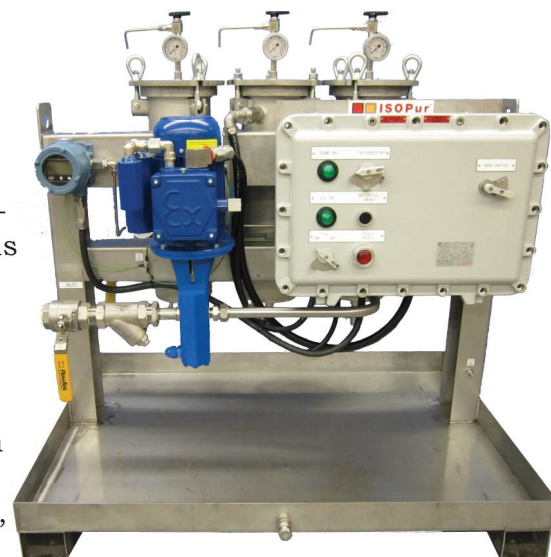
Turbine oil

Many other non-conducting fluids

The ISOPur MR IECEx Series is the smart purification solution with a flow rate of 558 GPH (2112 LPH).

The MR Series uses ISOPur's patented Balanced Charge Agglomeration (BCA[®]) technology, which maintains hydraulic and lubricating fluids in pristine condition by preventing and removing the buildup of sludge, varnish, and contamination to sub-micron levels.

This IECEx MR is certified for use in explosive environments in corrosive environments. The enclosure, frame, piping and vessels are 316 stainless steel for reliable operation in rugged offshore applications.

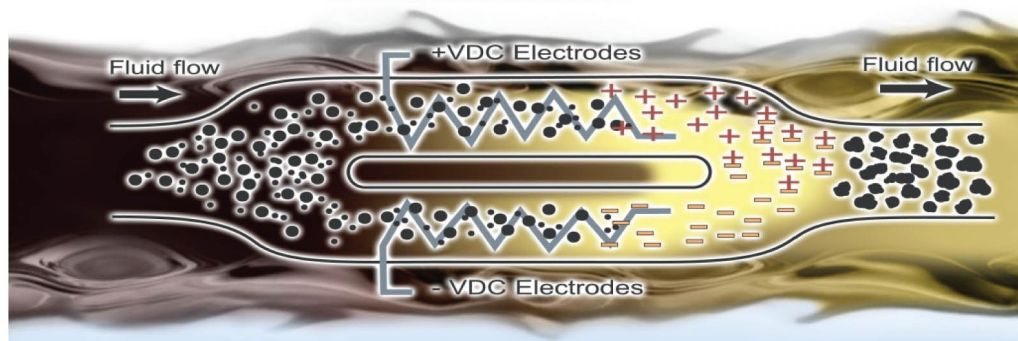


The Model Shown Above is Certified
Ex d IIB+H2T3 Gb
Ta=0° to 40°C
Call for Your Application

BCA Benefits

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

BCA[™] Process Sub-micron Purification



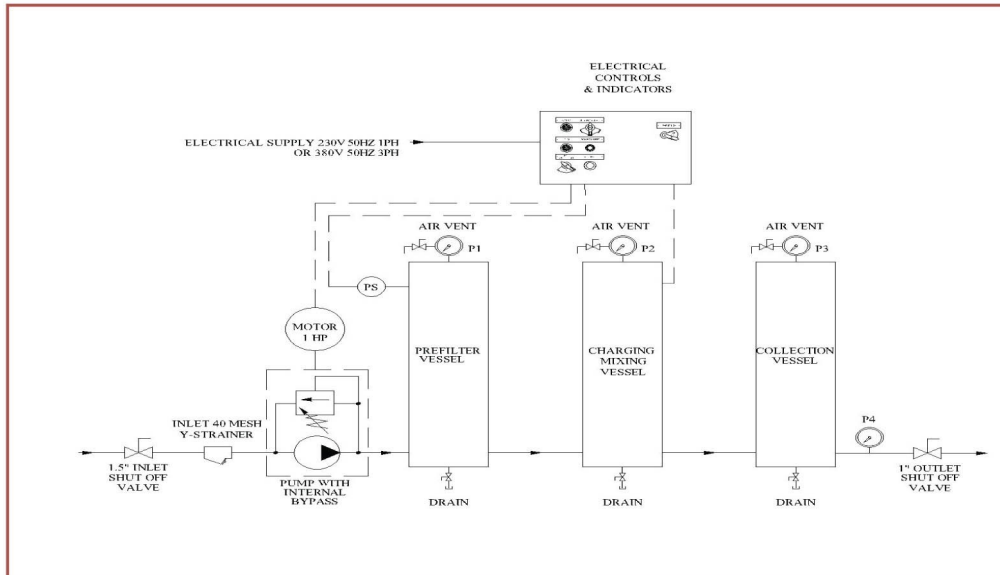
1. Fluid enters the ISOPur Charging and Mixing Unit (CMU) and the flow is split into two paths.

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 sent to the filtering system for removal



ISOPur MR Series Specifications



Offshore - IECEx Standard

Reliability

Motor Starter
One Speed Operation
Mechanical Gauges

Explosive Environments

IECEX

Corrosion Resistant

316 Stainless steel
Offshore Environment

NFPA, ATEX Versions Available

Call for Available Options for
Your Application.

	USA	International
Flow Rate	558 GPH	2112 LPH
Dimensions (H x W x D)	45in x 45.5in x 30in	1140cm x 1156cm x 54 cm
Servicing Area (H x W x D)	72in x 42in x 30in	183cm x 107cm x 76 cm
Filter Change Area	24in above vessels	61cm
Weight Dry	390 lbs	173 kg
Weight Wet	538 lbs	239 kg
Pump Discharge Pressure	2 to 80 psig	0.14 to 5.5 Bar
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	IECEX	
RPM	1450 RPM	
Power	1 HP	0.75 Kw
Mains Supply (Volts/Hz)	220V 1 Phase - 380V - 690V 3 Phase/50Hz	
Amps	Dedicated 15 Amp Branch Service	
Fluid Viscosity*	2 to 220cSt at 40 deg C	
Ambient Humidity Range	Offshore Environment	
Pre-filter Cartridge	ISOPur Custom	
Collection Filter Cartridge	ISOPur Custom	
Storage Ambient	0 to 132 deg F	-18 to 55 deg C
Suction Connection	1.5 in NPT	1.5 in NPT
Discharge Connection	1.0 in NPT	1.0 in NPT

* Contact an ISOPur representative for operation outside of recommended ranges. ISOPur reserves the right to change specifications without notice.