



# SVR® AW PRODUCT BULLETIN

Protect your critical mineral-based hydraulic oil applications with a bulletproof vest.

#### SVR® AW IS A SKID-MOUNTED DIALYSIS-STYLE LUBRICANT CONDITIONING SYSTEM THAT WORKS 24/7, REMOVING BOTH DISSOLVED VARNISH PRE-CURSORS AND VARNISH PARTICLES.

Mineral-based hydraulic oils chemically break down from oxygen, heat, and water over time. These three factors are often overlooked and unmanaged within existing fluid maintenance programs as they standardly focus on particulate removal. As a result, varnish pre-cursors dissolved in the oil accumulate, eventually leading to varnish deposits on critical hydraulic components.

SVR AW, backed by patented ion-exchange technology, ICB® AW, works during hydraulic system operation as oxidation material is generated, preventing the accumulation of varnish, and eliminating the root cause of oil varnishing.

Using SVR AW to remove both forms of varnish while removing oxygen and water with TMR® N2 offers a complete step-change in hydraulic oil maintenance, maintaining oils in ideal operating condition – free of varnish water and at ultra-low particle levels, significantly extending oil life.





# SVR AW FEATURES AND BENEFITS

- Utilizes patented ICB AW ion-exchange technology to eliminate soluble varnish at the molecular level, preventing the oil from becoming saturated and forming varnish deposits
- Maintains consistent fluid quality and performance
- Restores normal MPC varnish potential
- Removes water and oxygen levels with the recommended TMR N2 add-on, further decreasing fluid breakdown, significantly extending oil life
- SVR AW INCLUDES
  - One complete set of patented ICB AW and mechanical filters
  - EPT Clean Oil Fluid Technical Center oil analysis and reporting until results are documented

- Avoids flushing and related downtime
- Manufactured to ISO 9001 standards
- Low maintenance turn it on and let it run
- No downtime SVR AW can be installed without an outtage

 Dedicated online training, commissioning resources and warranty registration

### 1

The SVR uses patented ICB ion-exchange technology to provide a chemistry solution for a chemistry problem<sup>™</sup>: oil breakdown. SVR has been tested and proven worldwide on thousands of critical assets.

## 2

Extends lubricant life 2-3x by removing and preventing the accumulation of chemical breakdown materials. In doing so, SVR mitigates the risk of costly failures and avoidable production losses.

#### 3

Designed to facilitate rapid deployment without downtime, maintaining consistent and ideal fluid quality, and performance full-time.





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	SVR SYSTEM SPECIFICATIONS			
	SVR 150	SVR 300	SVR 600	SVR 1200
Dimension LxWxH	122 x 66 x 104 cm 48" x 26" x 41"	122 x 66 x 137 cm 48″ x 26″ x 54″	122 x 66 x 155 cm 48" x 26" x 61"	122 x 66 x 160 cm 48" x 26" x 63"
Weight	165 kg / 363 lb	181 kg / 400 lb	201 kg / 550 lb	273 kg / 600 lb
Connections Inlet/ Outlet FNPT:	1.0" / 1.0"	1.0" / 1.0"	1.5" x 1.0"	1.5" / 1.0"
Reservoir Volume	2,870 L / 758 gal	5,740 L / 1,516 gal	16,278 L / 4,300 gal	27,255 L / 7,200 gal
Operating Temperature	86°F to 176°F / 30°C to 80°C			
ICB Flow Rate ⊁	2.0 lpm / 0.5 gpm	4.0 lpm / 1.0 gpm	8.5 lpm / 2.5 gpm	19.0 lpm / 5.0 gpm
Reservoir Exchange Rate/24 hr	1.8x	1.8x	1.8x	1.44x
Electrical Options	<ul> <li>General Purpose with 50 Hz and 60 Hz electrical voltage options</li> <li>CSA Class 1 Div 1 Group C&amp;D with 50 Hz and 60Hz electrical voltage options</li> <li>CSA Class 1 Div 2 Group A, B, C &amp; D with 50 Hz and 60 Hz electrical voltage options</li> <li>IECeX and ATEX-approved configurations are available. Please get in touch with us for more information.</li> </ul>			
Current	13.2 Amps (at 120 VAC / 1Ph / 60Hz)			

For normal lubricant maintenance, the desirable flow rate is to exchange the fluid reservoir volume 1 – 2x per day. For recovery projects, higher exchange rates are desired.



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