



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-CURSOR 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.



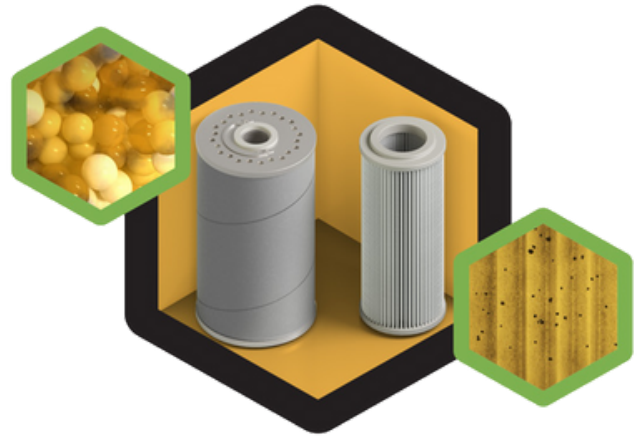
SVR AW FEATURES AND BENEFITS

- 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
- 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 outage**



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
- Dedicated online training, commissioning resources and warranty registration



SVR SYSTEM SPECIFICATIONS

	SVR 150	SVR 300	SVR 600	SVR 1200
Dimension LxWxH	120 x 79 x 102 cm 47" x 31" x 40"	120 x 79 x 148 cm 47" x 31" x 58"	122 x 66 x 102 cm 48" x 26" x 40"	122 x 66 x 148 cm 48" x 26" x 58"
Weight	159 kg / 350 lb	181 kg / 400 lb	201 kg / 550 lb	273 kg / 600 lb
Crated Dimension LxWxH			145 x 92 x 125 cm 57" x 36" x 49" 400 kg / 882 lb	145 x 92 x 176 cm 57" x 36" x 69" 443 kg / 977 lb
Crated Weight				
Connections Inlet/Outlet FNPT:	1.0" / 1.0"	1.0" / 1.0"	1.5" x 1.0"	1.5" / 1.0"
Reservoir Volume *	1,600 L / 420 gal	5,472 L / 1440 gal	13,680 L / 3,600 gal	27,360 L / 7,200 gal
Operating Temperature Flow Rate	86°F to 176°F (30°C to 80°C)			
Reservoir Exchange Rate/24 hr	2.0 lpm / 0.5 gpm	4.0 lpm / 1.0 gpm	8.5 lpm / 2.5 gpm	19.0 lpm / 5.0 gpm
Electrical				
Options Current	115VAC / 1Ph / 60Hz (General Purpose) is standard. Other electrical options are available. Explosion Proof (Class I, Div I and Div II) options are available.			
	13.2 Amps (at 115VAC / 1Ph / 60Hz)			

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

