




Allweiler SNS1300 ER46U12.1-W2 Triple screw pump


Allweiler SNS1300 ER46 U12.1-W2 triple screw pump is a high-performance positive displacement unit engineered for seamless, three-screw fluid handling in demanding industrial systems. Featuring a central drive screw and two synchronized idler screws in the ER46 geometry, this pump delivers low-vibration, pulsation-free flow with excellent volumetric efficiency. Designed around the U12.1 series housing and W2 specification, it excels in transferring lubricating oils, hydraulic fluids, light fuel oils, and other clean, low- to mid-viscosity liquids under varied pressure conditions.


Crafted with precision-machined components and high-grade alloy materials, the SNS1300 model offers robust mechanical resilience and long operational life. Internal clearances are kept tight to minimize slippage and preserve energy efficiency. Its self-priming capability makes it adaptable to diverse installation environments, avoiding the need for external priming pumps. Balanced screw geometry ensures minimal radial loads on bearings, leading to reduced wear, low noise, and smooth rotational behavior—traits essential in marine propulsion systems, industrial lubrication circuits, power plant oiling loops, and lightweight hydraulic applications.

The SNS1300 ER46 U12.1-W2 supports versatile integration with foot, flange, or shaft-drive mounting options, facilitating straightforward retrofitting or new-system incorporation. Maintenance is simplified thanks to design features like removable internal strainers, modular fasteners, and service-friendly access to screws, seals, and bearings. This accessibility reduces downtime and lowers lifecycle costs, especially when combined with wear-resistant seals and replaceable internal parts engineered for extended operation under cyclic pressure loads.

Overall, the Allweiler SNS1300 ER46 U12.1-W2 triple screw pump offers efficient, consistent fluid delivery and mechanical reliability in a compact form. Its precise engineering, volumetric stability, and flexible installation profile make it a dependable solution in sectors such as marine, energy, manufacturing, and mobile hydraulics. Whether in new equipment setups or refurbishments, the SNS1300 balances performance, durability, and maintainability to enhance operational uptime and system integrity.

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