



Allweiler S3F40 R46 KV12.2-W1 Triple screw pump - Refurbished & Tested


Allweiler S3F40 R46 KV12.2-W1 triple screw pump is a high-performance, refurbished, and professionally tested positive displacement unit designed for dependable and efficient fluid transfer in critical industrial environments. Featuring a balanced triple-screw configuration—with a central drive screw and two intermeshing idler screws—the R46 design ensures smooth, pulsation-free flow and excellent volumetric efficiency. Rated with KV12.2 designation and W1 series specifications, this pump is ideally suited for handling lubricating oils, hydraulic fluids, fuel oils, and other clean, non-abrasive liquids, even under elevated pressure conditions.


This S3F40 R46 KV12.2-W1 unit has undergone a comprehensive refurbishment process, restoring every internal component—including screws, bearings, seals, and housing—to OEM tolerance and performance standards. Each pump is pressure-tested post-reconditioning to confirm leak-tight integrity and operational robustness, delivering reliability comparable to a new unit. Precision machining and controlled assembly minimize internal leakage and mechanical wear, enhancing durability and ensuring consistent output over extended cycles.

Built from high-grade alloy steel and corrosion-resistant materials, the S3F40 pump is engineered for longevity and resilience in demanding applications. Its compact footprint and flexible mounting options—such as flange, foot, or shaft-driven configurations—allow seamless retrofitting into existing systems or integration into new equipment. Self-priming capability, low noise, and reduced vibration further enhance its suitability for industrial lubrication circuits, marine propulsion systems, power-generation units, and heavy manufacturing installations.

Maintenance and serviceability are optimized through integrated access to internal strainers and replaceable components, allowing for quick inspections and minimal downtime. The refurbished seals and bearings extend operational life and reduce overall life-cycle costs. Overall, the Allweiler S3F40 R46 KV12.2-W1 triple screw pump offers a reliable, high-efficiency, pressure-verified solution for critical fluid handling applications. Its blend of precise engineering, refined refurbishing, and proven performance ensures seamless operation, reduced maintenance frequency, and enhanced system reliability across industrial sectors.

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