




Allweiler S3F80 R42KV12.2W1 Triple screw pump - Pressure Tested


Allweiler S3F80 R42 KV12.2 W1 triple screw pump is a precision-engineered, pressure-tested positive displacement pump specifically designed for reliable fluid transfer in mission-critical industrial systems. Featuring a central drive screw and two intermeshing idler screws in the R42 geometry, this pump delivers smooth, pulsation-free flow and exceptional volumetric efficiency. The KV12.2 and W1 designations ensure compatibility with lubricating oils, hydraulic fluids, and other clean, viscous media, making it ideal for high-performance applications across marine, power generation, and manufacturing sectors.


During the pressure-testing process, the S3F80 R42 KV12.2 W1 pump undergoes extensive leak checks and performance validation to guarantee a leak-tight seal and durable operation. This rigorous quality control ensures the pump meets or exceeds OEM specifications for internal clearances, seal integrity, and volumetric output. High-grade alloy construction and precision-machined components minimize friction and wear, extending service intervals and reducing maintenance costs – a key advantage in harsh operating environments.

Designed for versatile integration, the Allweiler S3F80 pump supports multiple mounting configurations—including flange, foot, and shaft drive—enabling seamless installation into new builds or existing systems. Its compact footprint and self-priming architecture facilitate efficient operation even in tight spaces, while the balanced triple screw mechanism ensures low noise, low vibration, and minimal radial loading on bearings. These features contribute to a quieter, more efficient system that maintains fluid integrity and performance consistency under fluctuating loads.

Maintenance access is streamlined through removable strainers and modular internal components, allowing technicians to perform inspections and service with ease. The combination of pressure-tested reliability and engineered durability make the S3F80 R42 KV12.2 W1 an excellent choice for applications demanding precise fluid handling, such as lubrication circuits, fuel transfer, and hydraulic support systems. Overall, the Allweiler S3F80 triple screw pump delivers dependable, efficient, and long-lasting performance in critical industrial environments, ensuring optimal productivity and reduced downtime.

 **Email:** info@ramautomations.com

 **WhatsApp:** +1 330 294 2744

 **Contact:** +91 78638 05686

