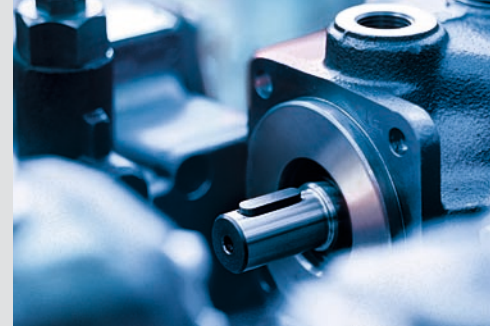
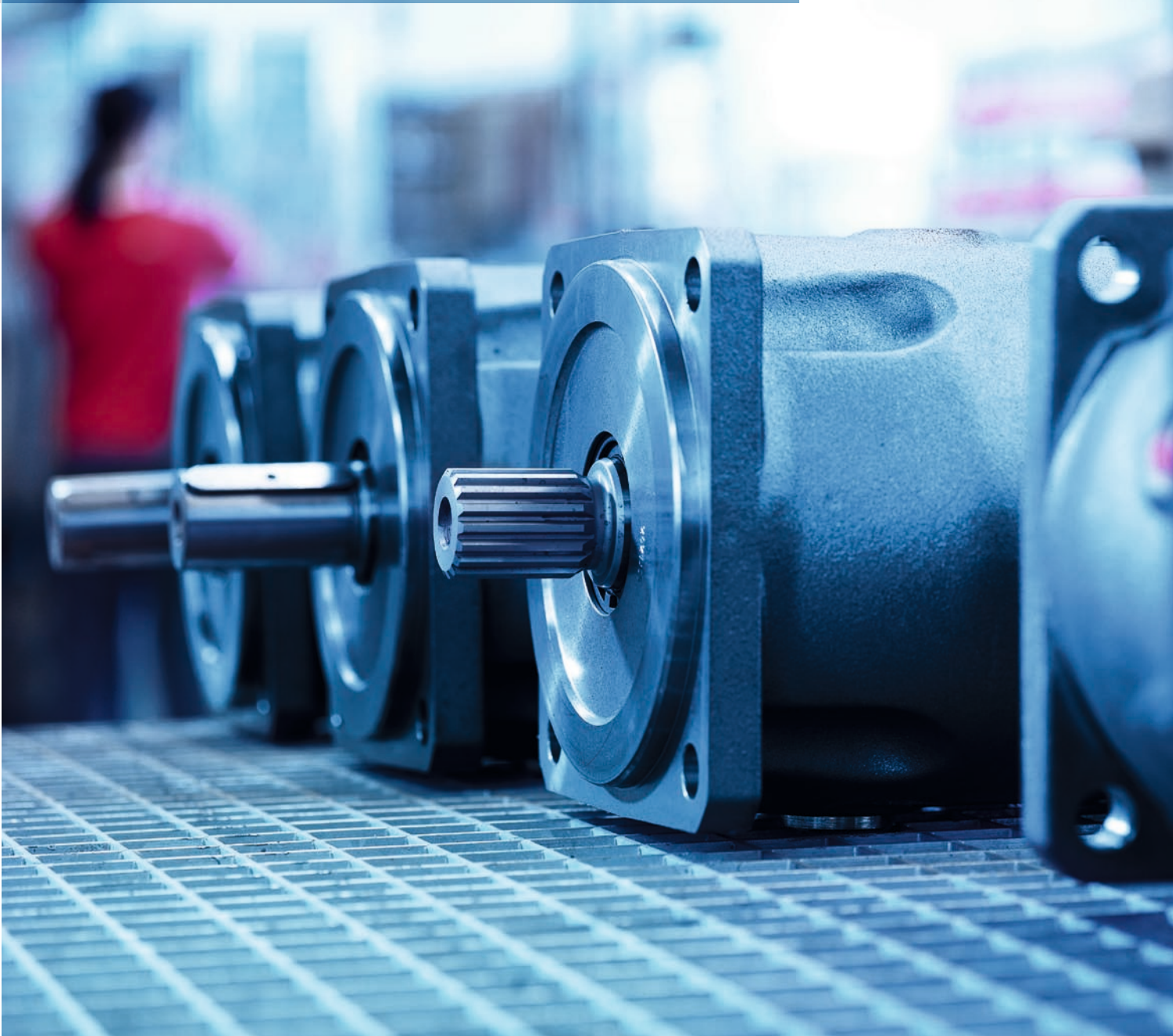


Axial Piston Pump A10 VSO Series 32 from Rexroth



Quieter, more efficient, more reliable, more flexible.



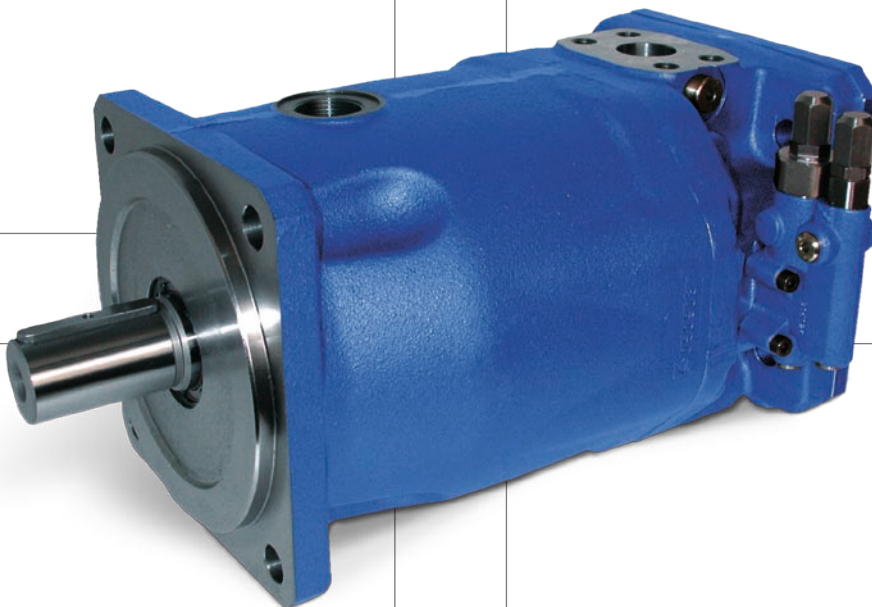
Nothing Is Too Good That It Cannot Be Improved.



Rexroth axial piston pumps are extremely tough, and reliable with a long service life. A10 pumps have proven their excellent quality in hydraulically driven machinery all over the world for more than 20 years. With the new series 32 Rexroth has optimized their A10VSO pump program. The A10VSO series 32 is not only a “whisper pump” – the combination of reduced noise development, improved efficiency, increased reliability and higher flexibility turns it into a universal “workhorse” in the field of industrial hydraulics.

**Reduced
Noise Development**

**Improved
Efficiency**



**Higher
Flexibility**

**Increased
Reliability**

Special Emphasis On Reduced Noise Development.

Rexroth proves time and again, that industrial hydraulics does not have to be noisy. The new technical development of the proven axial piston pump results in a clear reduction of noise level.

- Reduction in airborne noise with 3 dB(A)
- Pre-compression volume cuts pressure pulsations in half

- Reduction in fluid borne noise
- Reduction of dynamic excitation forces
- Reduction in body borne noise



The A10 VSO series 32 clearly deserves the description “whisper quite”. The ribbed, reinforced housing with a 4-hole flange alone reduces the noise level with 3 dB(A). The optional pre-compression volume cuts the pressure pulsations in half, thereby reducing the fluid

borne noise, especially in case of an increased distance between pump unit and machine. The optimized force flow in the modal analyzed housing reduces the excitation forces thereby reducing the body borne noise.

Better Economy Through Improved Efficiency.

Through its extremely high efficiency, the A10 VSO series 32 achieves a maximum level of economic performance.

- Optimization of the rotary group
- Optimization of the suction channel
- Improvement of efficiency with 3 %
- Lowering of energy costs

The A10 VSO series 32 offers more performance: The rotary group and the suction channel are so much improved, that the mechanical-hydraulic efficiency – in comparison with the previous series – is 3 % higher. This results in lower energy costs for the user, and at the same time an increase in economic performance.



Technical Maturity Brings Improved Reliability.

Improved reliability results in lower operating cycle costs over the total pump life. The perfected technical design of the A10VSO axial piston pump series 32 offers a maximum level of reliability.

- Improvement of suction capabilities
- Better resistant to cavitation
- Better resistant to loss of suction pressure
- Better resistant to case pressure peaks

The optimized suction channel improves the suction capabilities and offers a better resistance to cavitation; especially under bad suction conditions through unfavorable fluid viscosity as well as long or narrow suction lines.

The safety device against cylinder lift-off improves the resistance to sudden loss of suction pressure. Through the reinforced retainer device and the axially locked shaft seal the pump can tolerate higher case pressure spikes. The result: less wear, a longer pump life, and therefore a lower overall cost figure over the total pump life.



The Universal Through Drive Provides Even More Flexibility.

Dependent on the functions, in a system, more than one pump may be needed. A pump through drive brings flexibility here, since additional power take offs are not necessary. Rexroth has spent further effort on this flexibility and developed a universal through drive system.

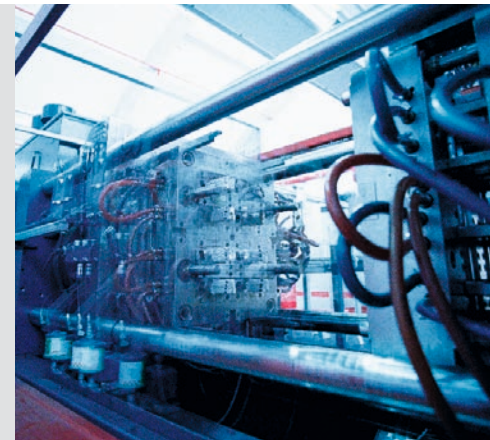
- Simplify the use of combination pumps
- Fast and flexible adaptation of pumps
- Saving in stock-keeping costs

Emphasis on flexibility: With the universal through drive Rexroth has really simplified the use of combination options in their A10 VSO series 32 pump range.

Through this the stock-keeping of various pumps is shifted to a more flexible adaptation by means of the universal through drive. The result: faster, more flexible adaptations at lower costs and savings in stock-keeping.

Fields of application

- Plastics processing machines
- Machine tools
- Power units



The A10VSO series 32 is an extremely tough, quiet and reliable pump with a long service life for universal use. It meets the high requirements of low noise, high efficiency, reliability, and flexibility together with simple handling and highest cost effectiveness for use in industrial applications. As a “whisper pump” the A10VSO series 32 carries a clear unique feature. However, it offers a lot more. In comparison with the extremely successful series 31 the series 32 features several improvements which support the Rexroth claim best-in-class components.

Performance range

- **Sizes:**
 - 71, 100, 140
 - (28, 45 and 180 in preparation)
- **Nominal pressure:**
 - 280 bar
- **Peak pressure:**
 - 350 bar
- **Regulating and control devices:**
 - Two point control, directly operated
 - Pressure control
 - with flow control: hydraulic
 - with flow control: electronic
 - with remote pressure control: hydraulic, or electric
- **Power (torque) control**
 - with pressure control
 - with remote pressure control
 - with pressure and flow control
 - with separate flow control

**Further information about the
A10VSO series 32: RE 92714**



Rexroth

The Drive & Control Company

Rexroth is unique. No other brand on the world market can offer all drive and control technologies, both on a specialized and integrated basis. With approximately 28,000 employees in more than 80 countries around the world, Rexroth has an infrastructure designed with partnership and customer proximity in mind. Over 500,000 customers worldwide utilize the know-how of the technology leader.

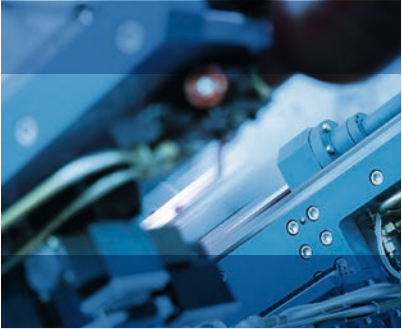
Electric
Drives and
Controls

Hydraulics

Linear
Motion and
Assembly
Technologies

Pneumatics

Service



Intelligent Hydraulics in New Dimensions

Whether it's a case of raising or lowering loads smoothly, undertaking linear or rotational movements, achieving even acceleration or accurate positioning, maintaining preset speeds, transmitting power or linking motion sequences – in fact, wherever economical power is required, this is where hydraulics comes into its own.

Using hydraulic drive and control technology from Rexroth will help you become more competitive than ever.

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