



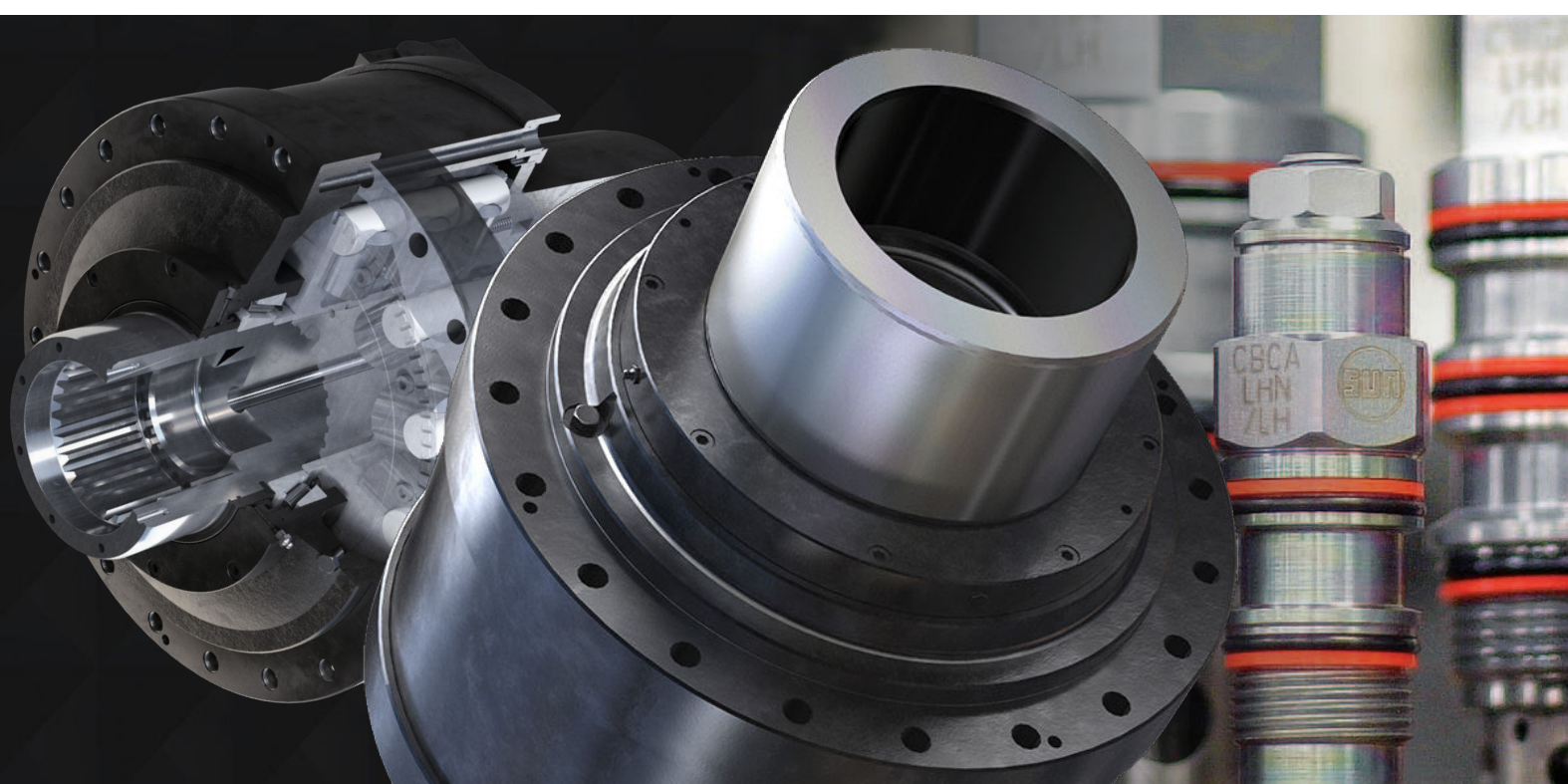
Axiom Hydraulics

2025

Product Catalogue



**Black
Bruin**



Axiom Hydraulics Design House – where ideas become reality

At Axiom Hydraulics, our Design House is the heart of innovation, expertise and precision. This dynamic hub is powered by a team of highly skilled professionals comprised of mechanical and electrical engineers, draftsmen, and other technically adept specialists. With over 150 years of combined experience, this problem-solving powerhouse tackles challenges of any scale, delivering hydraulic solutions with precision and efficiency.

Our team's technical expertise extends beyond design. From initial concept to after-sales support, we are committed to ensuring seamless functionality. Whether troubleshooting critical errors or assisting with system optimization, our experts are always on hand to support every client—big or small. We are passionate about what we do, and that passion drives our dedication to providing world-class service to all our clients.

Using the latest design software, we create system solutions tailored to meet diverse requirements. We pride ourselves on being highly efficient without compromising quality.

Key Capabilities:

- Comprehensive design of complete hydraulic systems
- Custom integrated manifold designs
- Agile design processes with fast lead times
- Dedicated after-sales/project technical support

No challenge is too complex, no detail too small—at Axiom Hydraulics, we bring your ideas to life with expertise, care, and a commitment to excellence.

SITE 2: WORKSHOP & STORES

At Axiom Hydraulics, our Workshop and Stores Team operates as a specialized arm of the company, distinct from our design and production capabilities. This team is dedicated to the repair, reconditioning, and servicing of hydraulic equipment, ensuring our customers receive unmatched support throughout the life-cycle of their systems. Our highly skilled team are able to customize hydraulic systems and products to meet the unique demands of specific applications. By modifying components and configurations, we can deliver tailored solutions that enhance performance, efficiency, and reliability for even the most specialized requirements.

With over 65 years of operational experience, our team of highly trained machinists, fitters, and cutting-edge machinery, perform OEM-specified servicing and repairs to the highest standards.

Our 5,500 m² workshop is meticulously designed to minimize contamination of exposed components, delivering exceptional quality control. No hydraulic component leaves our facility without comprehensive performance and safety testing. Every completed unit undergoes stringent load simulations on our test benches to ensure smooth, efficient, and reliable operation.

In addition, we maintain substantial stock-holding of parts and spares to support our entire hydraulic equipment portfolio, ensuring that our clients' needs are met quickly and efficiently.



Axiom Hydraulics is a distributor of Brevini Fluid Power axial piston pumps and motors for sub-Saharan Africa. Brevini Fluid Power offers our clients state-of-the-art fixed and variable displacement, axial piston pumps and motors for both closed and open circuit applications.

Bent Axis Fixed Displacement Pumps & Motors

H1C SERIES

- Fixed displacement
- For open and closed circuit
- ISO and SAE version
- Displacements 6-12-40-226 cm³/rev
- Nominal pressure 350 bar [5800 psi]
- Peak pressure 450 bar [6530 psi]

SH11C SERIES

- Fixed displacement
- For open circuit
- ISO and SAE version
- Displacements 10-16-20-30-45-55-63-75-90-108-125-160-180 cm³/rev
- Nominal pressure 430 bar [6240 psi]
- Peak pressure 480 bar [6960 psi]

Bent Axis Variable Displacement Pumps & Motors

H1V SERIES

- Variable displacement
- For open circuit
- ISO and SAE version
- Displacements 55-75-108-160-226 cm³/rev
- Nominal pressure 350 bar [5080 psi]
- Peak pressure 450 bar [6530 psi]

SH7V SERIES

- Variable displacement
- For open and closed circuit
- ISO and SAE version
- Displacements 55-75-108-160-200 cm³/rev
- Nominal pressure 430 bar [6240 psi]
- Peak pressure 480 bar [6960 psi]

Variable Displacement Open Loop Pumps

S5AV SERIES

- Variable displacement
- For open circuit
- Displacements 32-45-50-63-75-93 cm³/rev
- Nominal pressure 280÷350 bar [4060÷5080 psi]
- Peak pressure 350÷420 bar [5080÷6090 psi]

Variable Displacement Closed Loop Pumps

S6CV SERIES

- Variable displacement
- For closed circuit
- ISO and SAE version
- Displacements 75-128 cm³/rev
- Nominal pressure 400 bar [5800 psi]
- Peak pressure 450 bar [6530 psi]

HD1 SERIES

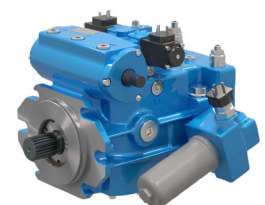
- Variable displacement
- For closed circuit
- ISO and SAE version
- Displacements 55 cm³/rev
- Nominal pressure 420 bar [6090 psi]
- Peak pressure 450 bar [6530 psi]

MD10V SERIES

- MD10V 46/50/64 series is a family of variable displacement axial piston pumps for use in closed circuits. The displacement is infinitely variable by means of a tilting swash plate, the oil flow can be reversed over the neutral point.
- Each pump has a built in boost pump that makes up for internal leakage, maintains a positive pressure in the main circuit and provides oil to the control system.
- All pumps have pre-set pressure relief valves and can be supplied single or in tandem version.
- Every pump is supplied with a boost pressure filter positioned on the pressure outlet of the boost pump.



➤ SH11C - Fixed Displacement



➤ HD1 - Variable Displacement

➤ SPARES

Need spares for your Brevini pump or motor?
We've got you covered. We stock complete spares kits for every Brevini axial piston pump and motor series.



Axiom Hydraulics

AXIOM HYDRAULICS (PTY) LTD

011 334 3068/86

info@axiom.org.za

www.axiomsa.co.za

Cnr Bergvlei & Stellenberg Roads

Wadeville

Germiston



**Black
Bruin**

