ABOUT US

Akar Makina, founded in 1990, manufactures autoclaves and pressure vessels for various industries including the Composite Materials, Glass Industry, Tire Retreading - Rubber Vulcanization, Building Materials, Medical Waste Sterilization.

Our autoclaves are manufactured in our state-of-the-art manufacturing facilities in the city of Eskisehir, with close proximity to major cities and ports. From the customer requirement acquisition stage to design,manufacturing, test, delivery and on-site commissioning, Akar is capable of providing turnkey an boutique solutions for every customer need.

The autoclaves are designed using advanced design tools and software meeting the highest safety and quality standards. We approach every project as unique and custom-made, and can handle customer specific requests. The autoclaves are manufactured with limited reliance on outside suppliers and are carried out by an experienced, highly trained and certified work force and technical staff.
Akar has the following certifications including those for autoclave and pressure vessel manufacturing:

- Pressured Equipment Directive 2014/68/EU
- Simple Pressure Vessels Directive 2009/105/EC (SPVD)
- ASME SEC VIII Div. 1
- EAC
- EN 3834-2
- EN 15085-2

Other certificates that may be required by different countries and jurisdictions. To certify our autoclaves, we work with internationally well-known certificate agencies such as Bureau
Veritas, TUV, Hartford Steam Boilers.

Thank you for your interest in our company and our products. We look forward to realizing successful projects with you and enhance your value chain with high quality products.

Please do not hesitate to contact us, if you have any questions. You can also visit us at **www.akarmak.com.tr** and **www.autoclave.com.tr** to get more information about our company and our products.

Safety is critical when it comes to autoclaves, and by manufacturing based on accepted standards

Material used is special material used for pressure vessels

Manufacturing based on 2014/68/EU Pressure Equipment Directives (PED) or ASME or EAC standards

Manufacturing based on 2006/42/EC Machinery Safety Regulation

Certified autoclaves by world well-known certification agencies such as Bureau Veritas, TUV, Hartford Steam Boilers etc

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EN ISO 3834-2 CERTIFIED AD2000

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BAYONET CLOSURE SYSTEMS
(Quick Closing Doors)

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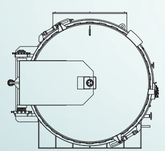
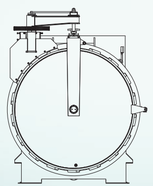
BAYONET CLOSURE SYSTEMS (Quick Closing Doors)

- Our Quick Closing Doors provide quick access and hassle-free operations for autoclaves and all kinds of other pressure vessels with devotion for quality and longevity.
- Design and manufacturing of Quick Closing Doors based on EN13445, ASME Section VIII and AD2000 standards.
- Akarmak design and manufacture state-of-the-art Quick Closing Doors with extensive knowledge over 25 years.
- Up to 5000 mm diameter
- Up to 70 bar operating pressure
- Suitable for vacuum service
- Carbon steel or stainless steel material
- Hinge mechanism with easy setup and adjustment
- Compatible for automatic or manual control
- State-of-the-art design with lower maintenance requirements

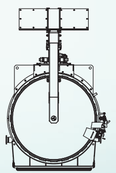
HINGE TYPES



CLASSICAL



DAVIT HINGE



COUNTER WEIGHT

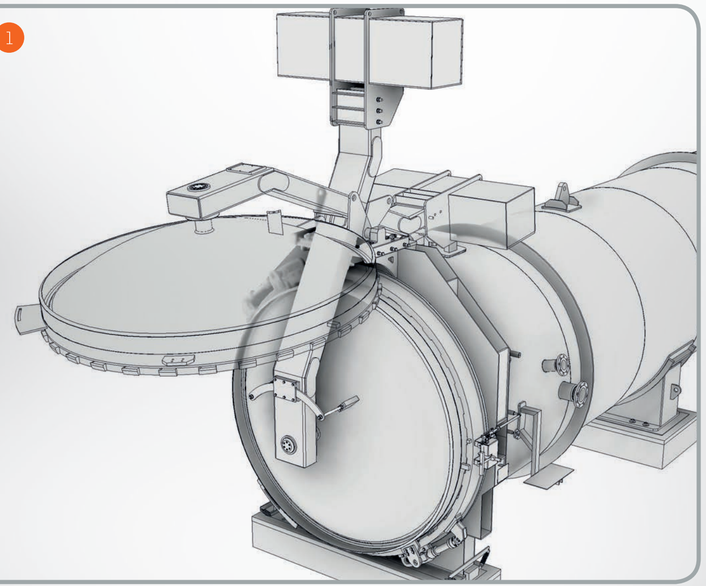
EN ISO 3834-2 CERTIFIED AD2000

CLOSURE TYPES

CONTROL TYPES

Manual / Hydraulic / Pneumatic / Electrical

1



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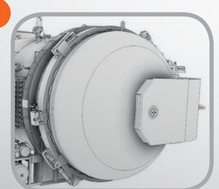

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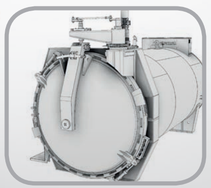

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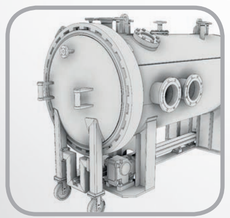

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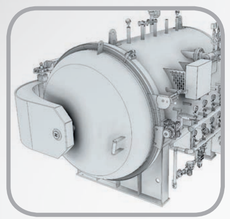

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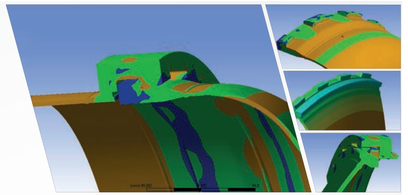
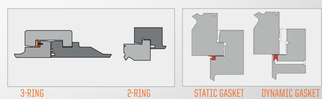


Top-notch design methods and principles with worldwide viability

Safe Quick Closing Doors geometry generated with finite element method

Interlocking mechanism prevents unintentional door opening

Special form on the door locking mechanism allows any possible pressure relief without opening the door.



3-ring system provides anti friction on the gasket, thus a longer useful gasket life.