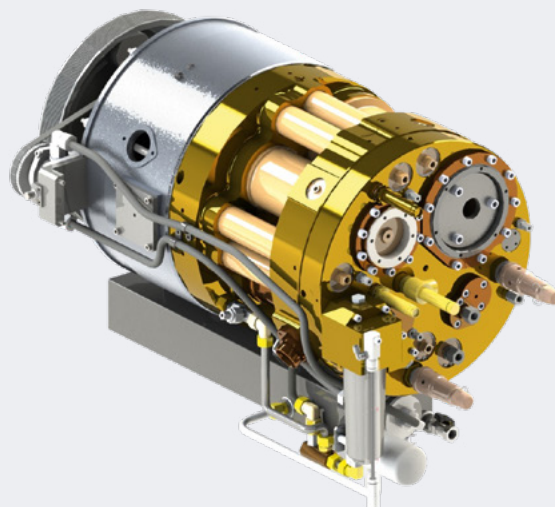


## High-pressure air compressor 4 stages, water-cooled

With their unique swash-plate design our GIRODIN range of compressors stands for highest precision and craftsmanship. They are unrivalled in performance, size and accessibility, making them the first choice for demanding applications in the naval sector.

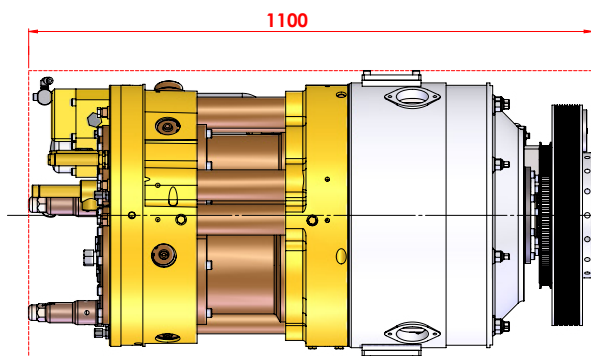
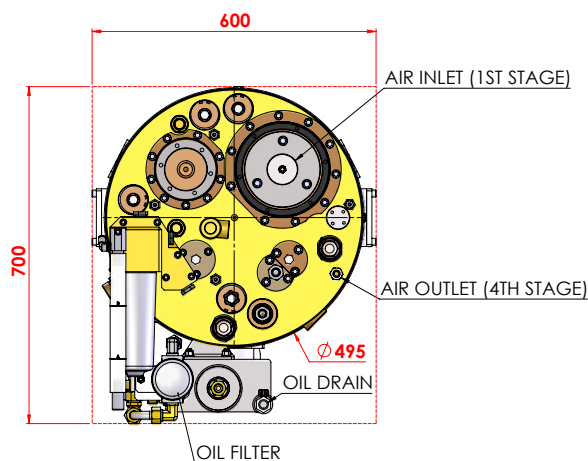
These highly sophisticated compressors have been successfully deployed in submarines and surface ships for decades. They have an extremely low level of structure-borne noise and a unique compact design, which allows the complete compressor to be carried onto or off the vessel via a pathway only 800 mm wide.



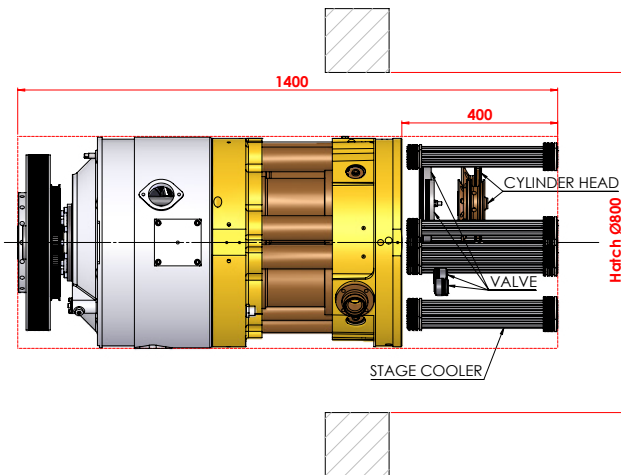
- Ultra-compact axial swash-plate design
- Suitable for fresh or sea water cooling
- Low level of acoustic and structure-borne noise
- Optimised corrosion-resistant material composition
- Pressure oil lubrication
- Organic maintenance from just one side
- New development based on the proven TGM60 compressor technology which has been appreciated for decades in European Navies
- Developed specifically for naval surface and submarine applications
- Extensively tested in endurance tests to ensure that the performance parameters are permanently achieved
- Compliant with military standards
- Built in France by Girodin-Sauer, part of the Sauer Compressors Group since 1989

### Basic technical data:

Type	Stages	Cylinders	Speed rpm	Working pressure barg	Charging capacity m <sup>3</sup> /h	Weight kg	Power kw
GIRODIN TGM100	4	4	1,050	300	105	500	37

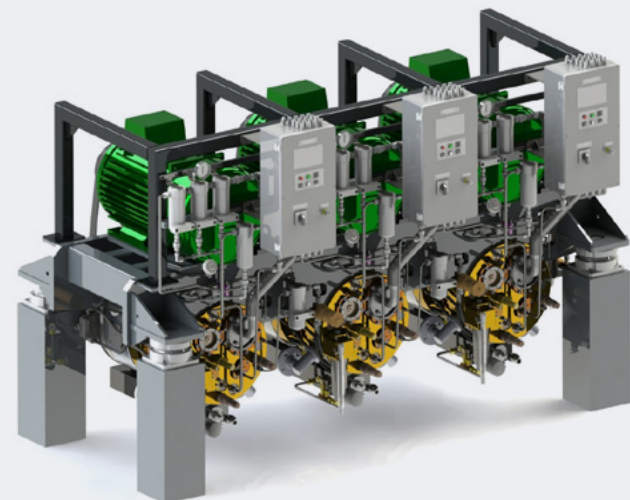


## ONBOARD & OFFBOARD MAINTENANCE



Hatch Ø800 mm

- Organic maintenance can be performed easily from one side while on board
- The modular design allows the compressor to be easily removed and replaced as a rotating pool item
- Major overhauls can be performed at depot level



## SAUER ENGINEERING CAPABILITIES

### GIRODIN TGM100

can be

- fitted with customer supplied electric motor or with a range of Sauer supplied motors
- connected to customer supplied air dryer technology or with a range of Sauer air drying technologies
- engineered to fit on to existing mounting arrangements

Integration example:  
315 m<sup>3</sup>/h @ 300 barg with 3 x GIRODIN TGM100