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Defense

In the Naval sector, Sauer has established itself as the world market leader for high-pressure compressors. However, the company's compressors perform on water and land. As a result, they are used in a variety of defense contexts, for example, at naval ports and air-force bases and by ground troops. Highly flexible, Sauer compressors are available with a range of design options, whether you are simply looking for a particular color scheme or require certification following military standards.

Sauer compressors for the Navy are developed based on the philosophy that unique demands exist for the maritime market and the Navy market. This is why maritime and Navy users require different solutions compared to industrial applications.

Sauer compressors incorporate all special features which are vital for naval applications. Furthermore, constant innovation, such as developing the WP 5000 range with 100% balanced free inertial forces, ensures the technical leadership necessary for future naval applications.





Our customers benefit from the following advantages:

- State of the art compressors, control systems, compressed-air treatment systems, and accessories
- Optimum customer services starting with the initial inquiry and extending over the entire life of the product | 100% compressor check at final pressure including 3.1 approval certificate
- Long operating life with guaranteed availability of replacement parts (minimum 25 years)
- Turn-key solutions produced in accordance with customers' specifications
- NATO-codified compressors and replacement parts
- Compact design and extremely straightforward operation

What are Sauer Compressors used for?

- Naval ports – service air, e. g. for submarines
- Air-force bases – automatic operation systems e. g. weapon systems for F15, F16, CASA C-295, Hercules, MiG 29
- Ground troops – nitrogen service for rocket control
- Air forces
- Navies
- Ground troops
- NAICS Code 336

Sauer Solutions

Volumetric flow: 18–1180 scfm (30 – 2000 m³/hr)

Pressure range: 230–5800 psig (16 – 400 bar)

Medium: Air, nitrogen

Sauer Compressors USA is the primary supplier of high and medium-pressure air and gas compressors for the U.S. Navy and the U.S. Coast Guard.

We have designed and supplied compressor packages for the following shipbuilding or class retrofit programs

- U.S. Navy CVN (Nimitz Class Aircraft Carriers) – WP5000
- U.S. Navy CVNX (Ford Class Aircraft Carriers) – WP5000
- U.S. Navy LPD (San Antonio Class Amphibious Transport Ships) – WP121L
- U.S. Navy DDG (Zumwalt Class Destroyer) – WP4331
- U.S. Navy DDG (Zumwalt Class Destroyer) – WP65L
- U.S. Navy LCS (Independence Class Littoral Combat Ships) – WP45L
- U.S. Navy LCS (Freedom Class Littoral Combat Ships) – WP121L
- U.S. Navy FFG (Constellation Class) – WP65L & eLPAC 37-125
- U.S. Coast Guard PSC – WP4331
- U.S. Coast Guard NSC (Legend Class) – WP65L
- U.S. Coast Guard WAGB (Ice Breaker Class) – WP400
- MSC T-AKE (Lewis and Clark Class Dry Cargo/Ammo Vessels) – WP5000
- MSC T-ARS (Safeguard-Class) – WP5000
- MSC JHSV (Spearhead Class) – WP22L
- MSC T-AKR (Bob Hope Class) – WP33L
- MSC T-AO (Henry Kaiser Class) – WP5000
- MSC T-AGM (Howard O. Lorenzen) – WP22L
- MSC T-AGOS (Victorious Class) – WP45L
- MSC T-ATS (Navajo Class) – WP45L & SC15MA

Dockside High-Pressure Compressor Packages have been supplied to

- Puget Sound Naval Shipyard (Bremerton, WA) – air-cooled & water-cooled HPAC
- Huntington Ingalls Shipbuilding (Newport News, VA) – air-cooled & water-cooled HPAC
- Norfolk Naval Shipyard (Portsmouth, VA) – air-cooled HPAC
- Naval Base Port Loma (San Diego, CA) – air-cooled HPAC
- Naval Submarine Base Bangor (Bangor, WA) – air-cooled HPAC
- Naval Station Norfolk (Norfolk, VA) – air-cooled HPAC
- Naval Base San Diego (San Diego, CA) – air-cooled HPAC & air-cooled LPAC
- Yokosuka Naval Base (Japan) – water-cooled HPAC
- Guam Naval Base (Santa Rita, Guam) – air-cooled HPAC

Applications at Other Bases

- Wright Patterson Air Force Base
- Beale Air Force Base
- Anderson Air Force Base
- Naval Air Warfare Center Lakehurst
- Naval Air Station Jacksonville
- Hill Air Force Base
- Fort Benning Army Base

Get In Touch

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