



# Motion Compensation for Semi-submersible Rigs



Sauer Compressors

Deep water drilling requires a rigid connection between the platform/drill-ship and the seabed. In order to keep on drilling in rough weather conditions, the movement of the derrick on the platform needs to be compensated. This compensation is done by wire-line or direct tensioning systems based on hydraulic systems and in order to keep the hydraulic pressure stable in the system, high pressure air or gas is used.

## Application(s)

- Supplying an air or gas cushion on top of the hydraulic liquid

## Customers

- OEM companies
- Drilling operators
- Shipyards
- Packagers



## Suitable products SAUER

Series	Volume flow	Pressure range	Medium
//// Hurricane	140 m <sup>3</sup> /h	207 – 315 barg	Air or Nitrogen
//// 5000 series	2.3 m <sup>3</sup> /min	3,000 – 4,600 psig	
	82 scfm		

## Customised Solutions

### WP 5000 Offshore Module for Motion Compensation

#### 5000 series – WP 5000 Basic

- Integrated adsorption dryer
- Compliant with NORSOK, DNV Offshore and ABS CDS 2011 Cat. 01
- Installed at over 100 offshore platforms already

#### Technical Data

Volume flow: 140 m<sup>3</sup>/h | 2.3 m<sup>3</sup>/min | 83 scfm

Max. pressure: 350 barg | 5,000 psig



#### //// 5000 series

**WP 5000**

Offshore module  
incl. adsorption dryer

**Dependable up to 500 bar – anywhere, anytime, anygas.**

