

# Compressor solutions for hydroelectric power plants



In low-, medium- and high-pressure hydroelectric plants, run-of-river plants and storage plants (including pumped storage plants) Sauer compressors are used for

- braking air for pneumatic brakes
- adjusting turbine blades and large valves (e.g. governor valves)
- blowing air to blow out the water and eliminate the load during starting
- preventing pulsation and cavitation

Product line	Product ranges	Variants
<b>SAUER</b>	<ul style="list-style-type: none"> <li><i>Mistral</i></li> <li><i>Passat</i></li> <li><i>Breeze</i></li> <li><i>Typhoon</i></li> <li><i>6000 series</i></li> </ul>	Basic, ComSilent <b>Volume flow</b> 29 – 353 scfm <b>Pressure range</b> 435 – 1450 psig <b>Media</b> Air, nitrogen

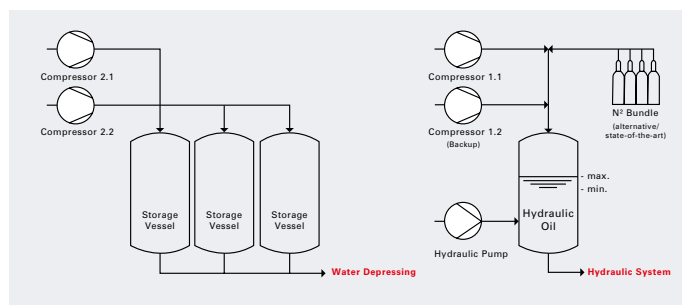


## Compressors

The compressors are usually sized to recharge the storage vessels within 1 hour after water depressing. Final pressure of the compressors depends on the particular design pressure of the system. It was often in the range of 870 to 1088 psig and is now increasing due to usage of nitrogen bundles.

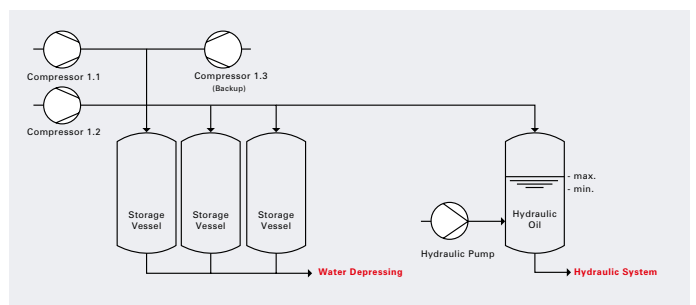
## Individual Supply

Water depressing and governor control have their own independent supply with high-pressure air or nitrogen (governor control only).



## Common Supply

Water depressing and governor control are sharing the air-compressors.



**Dependable up to 7,000 psi – anywhere, anytime, anygas.**