



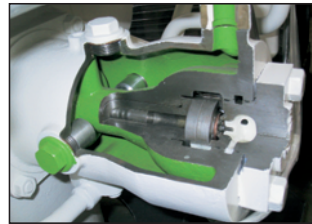
Sauer Quality: Far beyond "Industry Standard"



Direct drive: All Sauer compressors are connected to the prime mover by a largely dimensioned flexible coupling. All types of diesel engines, as well as hydraulic and electric motors, can be used for the drive.

Advantages over V-belt drive:

- Less maintenance.
V-belt retensioning is eliminated
- Higher reliability
- Reduced operating noise
- Higher efficiency. No belt slip



Plunger piston: All Sauer compressors are exclusively of this design.

Advantages over two-stage differential and step pistons:

- Reliable lubrication
- Simple maintenance of the one-piece pistons and cylinders – No alignment problems
- No additional piston lubrication required for the upper compression compartments
- Clearly defined assemblies – One stage per cylinder



Combined suction and delivery valves: As lamellar valves or concentric valves they form a standard integral part of all Sauer compressors.

Advantages over single valves:

- Convenient maintenance as there is only one maintenance point per cylinder
- One valve per stage
- Optimised cooling for higher efficiency
- Simple arrangement of the valve between the cylinder and cylinder head for easy maintenance



High-pressure stages: In the proven Sauer design with one-piece high-pressure pistons.

Advantages over other solutions:

- Easy maintenance by one-piece pistons and cylinders
- Piston rings insure a hermetic seal
- Sufficient clearance in the compression section to make it less susceptible to oil contamination at higher temperatures
- No piston knock during start or stop

