

# The Sauer Compressors

## Scope of Supply and Options

			Maximum Pressure [bar]	Gas Flow-rate [m³/h]	Multi-stage oil-lubricated piston compressor	Inter-stage and final after-cooler with oil/water separators	Final after-cooler with oil/water separator	Over-pressure safety valves at each stage	Gas-tight over-pressure safety valves at each stage (piped exit, manifold)	Automatic oil/water drain valves	Auto-starting relief integrated with drain system	Pressure indicator at each stage	Gas over-temperature protective shutdown sensor	Oil lubrication including protection sensor	Pressure and temperature indicators and sensor-switch at all stages	Air-blast cooling fan and flywheel	Lubricating oil level alarm	Gas suction connection (flange, pipe)	Gas-tight crankcase (breather, evacuation, flange)	Gas-tight crankshaft 'double seals'	Gas-tight oil system (refill, oil-level sight glass)	Crankcase oil sump heating	Ex-proof crankcase oil sump heating
H Series	A	In	420	10–150	■	■		■	●	■	■	■	■	■	●	■	●	■				●	
W Series	W	In	100	65–550	■	■		■	●	■	■	■	■	■	●		●	■		●		●	
L Series	A	In	40	10–400	■	■		■	●	■	■	■	■	■	●	■	●	■				●	
LB Series	A	In	40	40–450	■		■	■	●	■	■	■	■	■	●	■	●	■				●	
G Series	A	No	350	10–335	■	■			■	■	■	■	■	■	●	■	●	■	■	■	■	●	
G Series	A	Ex	350	10–500	■	■			■	■	■	■	■	■	●	■	●	■	■	■	■	●	●

**Key:**

■ standard

● optional

■ option for ATEX version



# The Sauer Compressor Units

## Scope of Supply and Options

			Maximum Pressure [bar]	Gas Flow-rate [m³/h]	Flexible drive coupling	Direct drive Electric Motor	Direct-drive Ex-motor (ATEX)	Resilient AV mounts	Outlet flexible hose with non-return valve	Flexible oil/water drain hose	Auto Start-Stop pressure sensor control	Oil/water drain gas separator 'Demister' vessel	Oil/water collection tank	Oil/water collection tank (level alarm)	Electrical Control Panel (Safe Area, Start/Stop, alarms, shutdowns)	Acoustic enclosure (internal heater, fan ventilation, gas detection)	Cooling water inlet shut-off solenoid valve	Cooling water pump	Cooling water thermostatic control	Cooling water closed-loop cooling system (inc. Pump, fan-cooled radiator & control)	Ex-proof drive coupling (ATEX 95)	Anti-static air-blast cooling fan (ATEX 95)	Intrinsic safe relays for pressure and temperature monitoring	Intrinsic safe terminal box for electrical connections	Electrical Control panel to ATEX zone 1 and 2
H Series	A	In	420	10-150	■	■	●	■	■	■	●	●	●	●	●	●					●	●			●
W Series	W	In	100	65-550	■	■	●	■	■	■	●	●	●	●	●	●	●	●	●	●	●	●			●
L Series	A	In	40	10-400	■	■	●	■	■	■	●	●	●	●	●	●					●	●			●
LB Series	A	In	40	40-450	■	■	●	■	■	■	●	●	●	●	●	●					●	●			●
G Series	A	No	350	10-335	■	■		■	■	■	●	●	●	●	●	●									
G Series	A	Ex	350	10-500	■		■	■	■	■	●	●	●	●	●	●					■	■	●	●	●

**Key:**

■ standard

● optional

■ option for ATEX version



# The Sauer Compressor “Turn-Key” Systems

## Scope of Supply and Options

			Maximum Pressure [bar]	Gas Flow-rate [m³/h]	Supply gas pressure sensor control (Auto-Stop/Restart)	Supply gas isolating valve (manual, solenoid, actuator, electrical inter-lock)	Supply gas non-return valve	Supply gas excess flow valve	In-line gas suction filter	Suction gas regulation (pressure reducing valve)	Suction gas shut-off valve (solenoid, actuated)	Capacity control (re-cycling by-pass valve, discharge back to suction)	Inlet gas pulsation damper (suction 'buffer tank' inc. drain/purge valve)	Suction gas protection (safety valve, pressure gauge, high/low pressure sensor-switch)	Flexible suction gas hose	Outlet oil coalescing filtration (manual, auto drain)	Outlet oil vapour activated carbon filtration (manual drain)	Outlet purge connection	Final Pressure Maintaining Valve	Gas recovery, or 'blow-down', vessel (purge, drain, safety valve, pressure gauge)	Gas detection (alarm)	Gas drying (suction, outlet HP Dryer)
H Series	A	In	420	10-150	●	●		●	●	●	●	●	●	●	●	●	●	●	●			●
W Series	W	In	100	65-550	●	●		●	●	●	●	●	●	●	●	●	●	●	●			●
L Series	A	In	40	10-400	●	●		●	●	●	●	●	●	●	●	●	●	●	●			●
LB Series	A	In	40	40-450	●	●		●	●	●	●	●	●	●	●	●	●	●	●			●
G Series	A	No	350	10-335	●	●		●	●	●	●	■	■	●	●	●	●	●	■	●		●
G Series	A	Ex	350	10-500		●	●	●	●	●	●	■	■	●	■	●	■	■	■	■	●	●

**Key:**

- standard
- optional
- option for ATEX version

