

Performance Based Line Systems

VOSS Automotive is an expert wherever line and connection technology is used for on-road and off-road applications.

Our products ensure secure connections that meet the requirements of our customers. Our core competence comprises individual and system solutions, from development and manufacturing readiness to production and logistics.

VOSS develops and produces lines from a variety of materials suitable for connection systems, for example for fuel, air, hydrogen and urea.

VOSS is a development partner for original equipment manufacturers worldwide.

Description	Examples	Materials	Application	Design forms / combinations	Applicable connections	Temperature range	Pressure range
Air brake lines		PA tube, hose, steel or stainless steel tube and hose combination	Commercial vehicles	Straight, pre-formed, steel/hose, PA tube	Quick connect systems 232 and 230, DKO, cutting ring	-40°C to 100°C	max. 12 bar (18 bar)
Auxiliary air lines Transmission control lines		PA tube	Commercial vehicles	Straight, pre-formed, bundles	Quick connect systems, e. g. 232 and 230, multi-connectors	-40°C to 115°C/130°C depending on material	max. 10 bar
Lines for SCR systems		PA tube, hose	Commercial vehicles, Passenger cars, Off-road	Unheated, electrically heated lines and cooling water heated bundles	Quick connect systems 241, 246 and 246 NX, multi-connectors	-40°C to 160°C depending on material	Depending on SCR system 10.4 bar
Coolant lines		Hydrolysis-stabilized plain tube, hydrolysis-stabilized corrugated tube, multilayer tube, hose	Commercial vehicles, Passenger cars, Off-road	Straight, pre-formed	Quick connect systems 241, 246 and 246 NX	-40°C to 100°C/120°C depending on material	2 bar, max. 4 bar
Fuel lines (supply, return, leak-off rail)		Mono-PA tube, multilayer tube, hose	Commercial vehicles, Passenger cars, Off-road	Straight, pre-formed	Quick connect systems 241, 246, 246 NX, 246 AX, 249 and 250, block connection (on request with ESD-performance)	-40°C to 100°C/140°C depending on material	max. 10 bar
Hydraulic lines (Hydraulic clutch)		PA tube	Passenger cars	Straight, pre-formed	Quick connections, over-injected	-40°C to 120°C	max. 40 bar
Air suspension lines		PA tube	Passenger cars	Straight, pre-formed	Quick connect system 203	-40°C to 125°C	max. 18 bar
Lines for windscreen washer systems		PA tube, corrugated tube	Passenger cars	Straight, corrugated	Quick connections	-30°C to 100°C	max. 3 bar
Lines for fuel cells		Multilayer tube, corrugated tube	Passenger cars	Unheated and electrically heated lines	Quick connect system 246	-40°C to 100°C	max. 12 bar
Lines for thermal management		Mono-PA tube, multilayer tube	Passenger cars, hybrid or electric	Straight, pre-formed	Quick connect systems 246, customer specific connectors	-40°C to 90°C	max. 4 bar