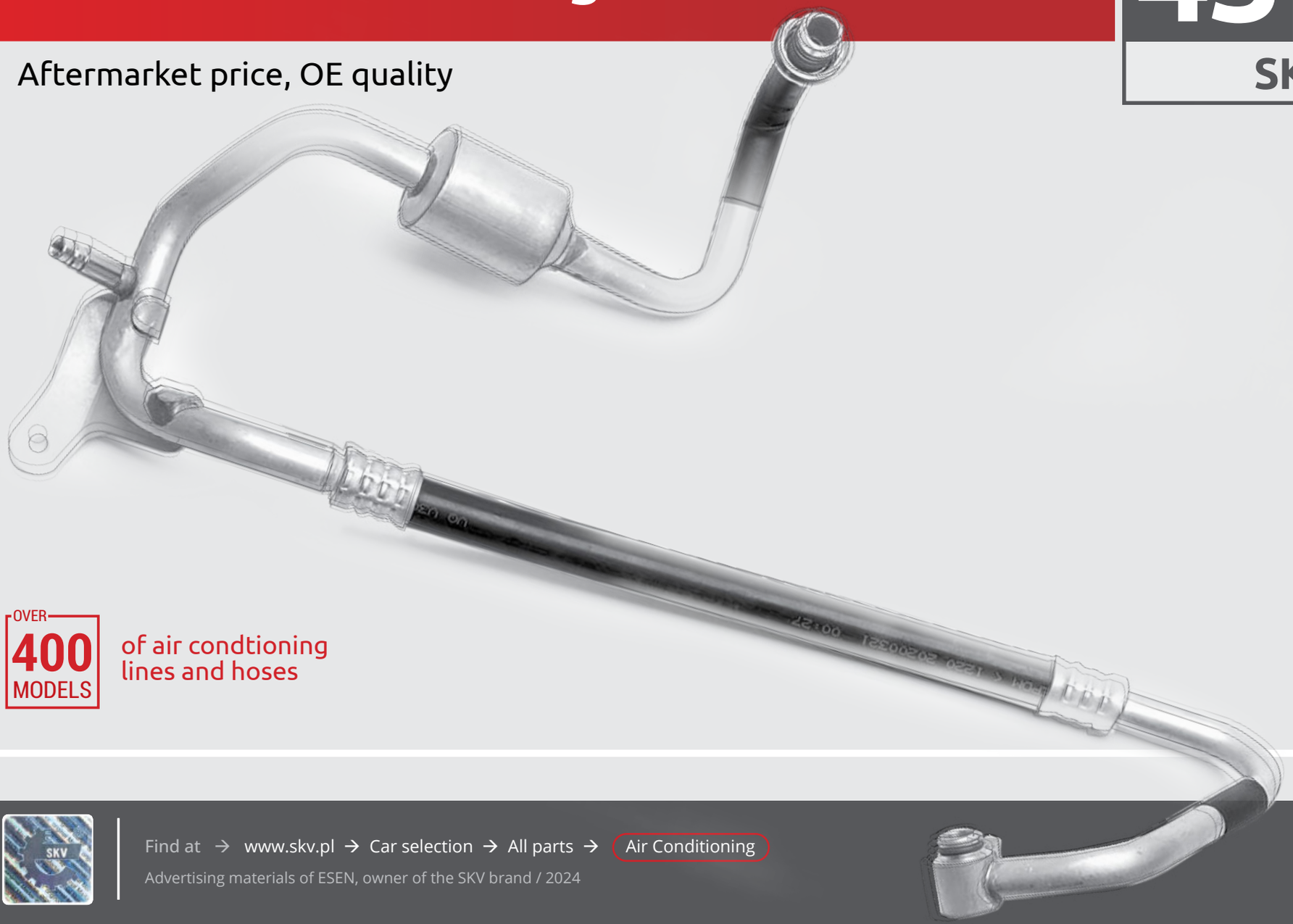
SKV air-conditioning hoses

PRODUCT GROUPS

43 54

SKV

Aftermarket price, OE quality



OVER 400 MODELS

of air condtioning lines and hoses

AFTERMARKET PRICE - OE QUALITY SKV AUTO PARTS

Find at → www.skv.pl → Car selection → All parts → Air Conditioning

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SKV air-conditioning hoses

Vehicular air conditioning

is a complex system that allows users to control the temperature and humidity inside the vehicle. The air conditioning system in a car consists of an air **conditioning compressor**, an **air conditioning cooler** called a condenser, **a dryer, an expansion valve** and an **evaporator**. All previously mentioned components are tightly connected via hoses into one closed system. Such components, depending on the installation location and function, are used to move refrigerant in the liquid/gas form at various temperatures and under high or low pressure, as well as oil used for compressor lubrication.

The SKV brand offer includes **over 400 models of air conditioning hoses/lines**, which provides a wide selection and the perfect fit **for passenger cars and delivery vans.**

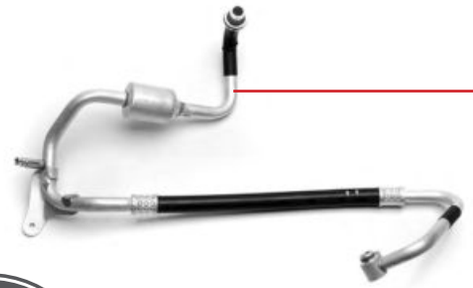
High-/low-pressure lines in air conditioning



43SKV529
High-pressure hose

constitute a tight connection between the elements of the air conditioning system through which the refrigerant is moved in liquid or gaseous form. Depending on where they are placed in the AC system, **either high- or low-pressure hoses are used**

Air conditioning system high-pressure lines



43SKV502
High-pressure line

are used to move the high-pressure coolant **from the compressor to the condenser**. This part of the system provides compressed coolant suitable for the condensation process in the condenser, where heat is released and changes the state of matter from gas to liquid.

Features of our AC hoses/lines

OVER 400 MODELS of air condtioning lines and hoses

Materials
of highest quality

3 YEARS WARRANTY
Warranty
3 YEARS

Perfect Fit
equals hassle-free installation

TecDoc
TecDoc ID
4969

AFTERMARKET PRICE - OE QUALITY SKV AUTO PARTS

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SKV air-conditioning hoses

The SKV air conditioning hoses

are made of high-quality materials, such as **flexible elastomers and aluminium**, ensuring durability and resistance to operating conditions. Their design, technical specification and purpose define the division according to application.

THE HIGH-PRESSURE HOSE

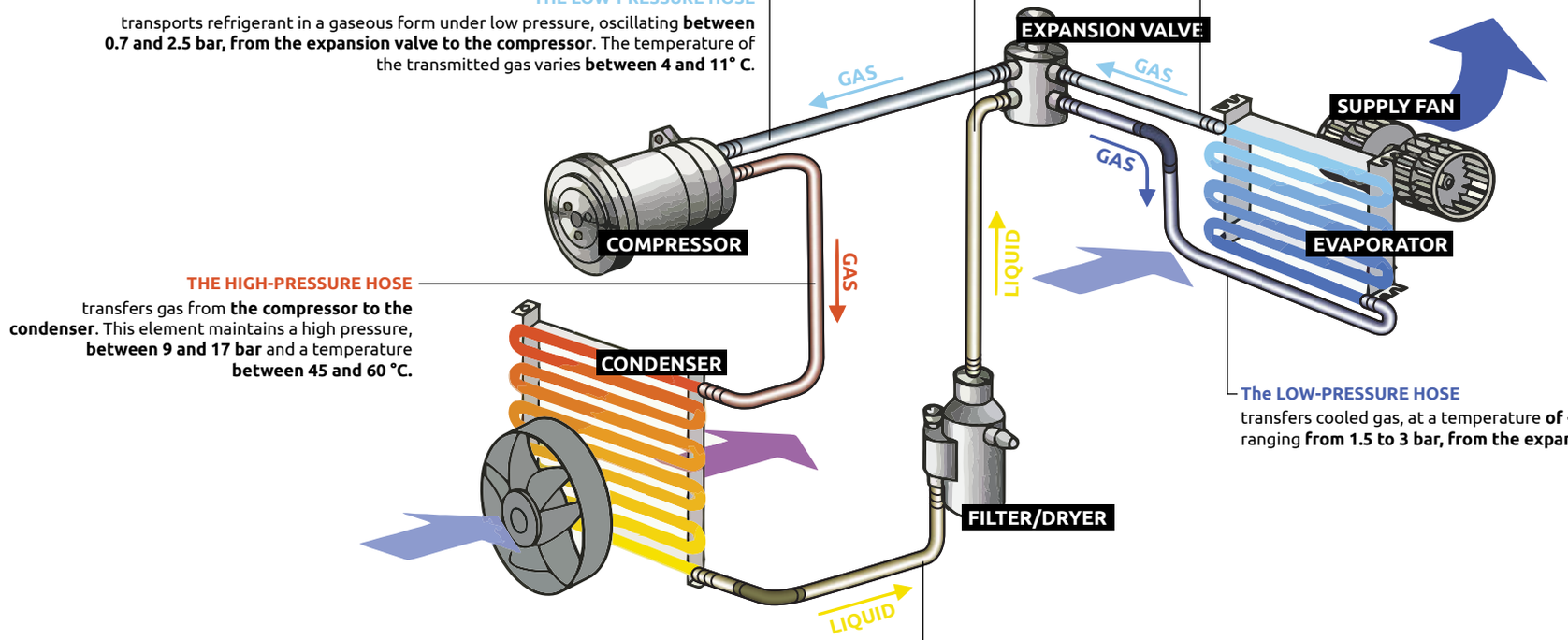
transports the filtered medium with a temperature ranging **between 40 and 50° C** in liquid form **from the dryer to the expansion valve**. Pressure in this section of the air conditioning system exerted on the transferred coolant ranges **from 6 to 12 bar**.

THE LOW-PRESSURE HOSE

transports refrigerant in a gaseous form under low pressure, oscillating **between 0.7 and 2.5 bar, from the expansion valve to the compressor**. The temperature of the transmitted gas varies **between 4 and 11° C**.

THE HIGH-PRESSURE HOSE

transfers gas from **the compressor to the condenser**. This element maintains a high pressure, **between 9 and 17 bar** and a temperature **between 45 and 60 °C.**



The LOW-PRESSURE HOSE

transfers low-pressure gas, with a value **of 0.7 to 2.5 bar** and a temperature ranging **between 4 and 11° C from the evaporator and blower fan to the expansion valve.**

The LOW-PRESSURE HOSE

transfers cooled gas, at a temperature **of -2 to 4° C** at low pressure ranging **from 1.5 to 3 bar, from the expansion valve to the evaporator.**

THE HIGH-PRESSURE HOSE

transfers liquid **from the condenser to the dryer**. This part of the air conditioning system maintains a high pressure, **between 6 and 12 bar** and a temperature of **between 40 and 50 °C.**

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High-/low-pressure hoses and lines

Detailed information

The air conditioning system in our cars consists of a **set of devices connected by hoses and lines**. They can be divided into two main groups: low- and high-pressure lines, differing mainly in the state of matter of the transported coolant.

The coolant is transferred in multiple stages through lines from one device to another:

CLOSE TO **200** MODELS of high-/low-pressure hoses and lines

A hose connecting
the condenser with the dryer



i.e. 54SKV611

A hose connecting
the dryer with the expansion valve



i.e. 54SKV686

A hose connecting
the expansion valve with the evaporator



i.e. 54SKV732

A hose connecting
the evaporator with the expansion valve

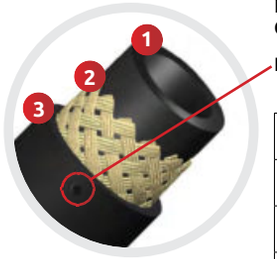


i.e. 54SKV636

A hose connecting
the expansion valve with the AC compressor



i.e. 54SKV700



3-LAYER FLEXIBLE HOSES

Hoses made of the best-selected types of rubber and thermoplastic polymers: **CR, PA, NBR, PET, SBR, CIIR.**

PIN-PRICKED - a micro-perforated outer layer of the hose.

Inner layer	**special low permeability butyl rubber**
Reinforcement	**textile braiding**
Outer layer	**high temperature resistant, pin-pricked synthetic rubber**
Application	**R134a and R1234yf refrigerants transit hose**



ALUMINUM LINES

the SKV aluminum air conditioning lines are light, durable and **easy to install**. Their flexibility facilitates installation in hard-to-reach places, and the low friction coefficient **minimizes energy losses** during medium transmission.

Material	**high grade aluminum**
Properties	**corrosion resistance, low coefficient of friction, high thermal conductivity**
Application	**R134a and R1234yf refrigerants transit hose**

A 3-LAYERED, PIN-PRICKED DESIGN
FLEXIBLE
OPERATING/BURST PRESSURE 70 / 140 bar
TEMP RANGE -40° C / 135° C
GAS/LIQUID R-134a R-1234yf
OIL-RESISTANT
LOW GAS PERMEABILITY

WALL THICKNESS ≥ 1,5 mm
DAMAGE -RESISTANT
TEMP RANGE -40° C / 180° C
GAS/LIQUID R-134a R-1234yf
OIL-RESISTANT
NO GAS PERMEABILITY

liquid | gas | low-pressure | high-pressure

Find at → www.skv.pl → Car selection → All parts → Air Conditioning → High-/Low Pressure Line, air conditioning

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Air conditioning system high-pressure lines

From 2017, all cars sold in the European Union must be equipped with an air conditioning system operating on the **R-1234yf** (HFO-1324y) refrigerant. Previously, the air conditioning systems in cars used a cheaper, but less ecological **coolant coded R-134a**. The SKV brand high-pressure lines, depending on the model and application, are prepared to work in systems with both R-1234yf and R-134a refrigerants.

CLOSE TO **100** MODELS

High-pressure lines of the air conditioning system

54SKV665
Hose offered in a set with the SKV air conditioning pressure sensor



43SKV512
An aluminum line with flexible plastic elements



43SKV523
Air conditioning hose with mounting band





The filling valve
with an insert allowing the filling of the air conditioning system with refrigerant.



Connector/flange
The male connectors of SKV airconditioning lines, in accordance with the technical specifications, have one or more sealing rings.



Connection
Tight and durable connections of aluminium lines and flexible elastomer hoses ensure long-term use.



Handle
Selected cables are equipped with handles, allowing quick and easy installation in the engine compartment.



Sensor port
enables fitting of the SKV air conditioning pressure sensor in the hose. The graphic exhibits an installed sensor.

Selected models of SKV air conditioning hoses are available in two options: **with a pressure sensor** (i.e. 54SKV665) or **without a sensor** (i.e. 54SKV664).

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SKV brand strengths

30k+ Over **30,000 references**

100+ Over **100 product groups**

A dynamically **growing brand**

High stock levels with **96% availability**

Quality backed by a **minimum 3-year warranty**

Over **500 new products monthly**

Free **marketing support**

Wide range of products

Timely delivery of goods

Certified **TecDoc data supplier**

TecDoc ID: 4969

Leader in the domestic market

The success of the SKV brand is primarily due to the quality of its products at affordable prices. Production in the factories is systematically monitored by SKV employees.





AFTERMARKET PRICE - OE QUALITY SKV AUTO PARTS

Among the more than 30,000 auto parts from the SKV brand, you will also find:



BLOWER
FANS



AIR CONDITIONING
PRESSURE SENSORS



EXTERNAL AND INTERNAL
TEMPERATURE SENSORS



AIR VENT
GRILLES



IDLE AIR
CONTROL VALVES



OXYGEN
SENSORS



INTAKE
MANIFOLDS



AIR SUSPENSION
SPRINGS / BAGS



SWITCHES:
LIGHTS, WINDOWS, MIRRORS



HOSES:
TURBO, RADIATOR, INTAKE



BRAKE
CALIPERS



SUSPENSION
BEAMS / SUBFRAMES



WHEEL
HUBS



OIL
PANS

OVER 500
NEW ITEMS MONTHLY
in existing
and
new product groups.

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Become a Part of SKV

The diverse SKV product range has been designed to maximise profitability for customers.

Join the SKV group and gain!

- **Free SKV brand advertising materials**
- **Favourable cooperation terms with transparent conditions**
- **Access to our purchasing platform: www.SKV.pl**
- **Reliable supply chain**
- **An average of over 500 new products per month**
- **Free deliveries**
- **Convenient payment terms**
- **Service support**



SKV parts are brand new:

- Manufactured according to the same rigorous manufacturing standards as OE parts
- Manufactured on the same production lines as leading global manufacturers
- Subjected to the same quality controls as OE parts

SKV – Aftermarket price, OE quality



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