

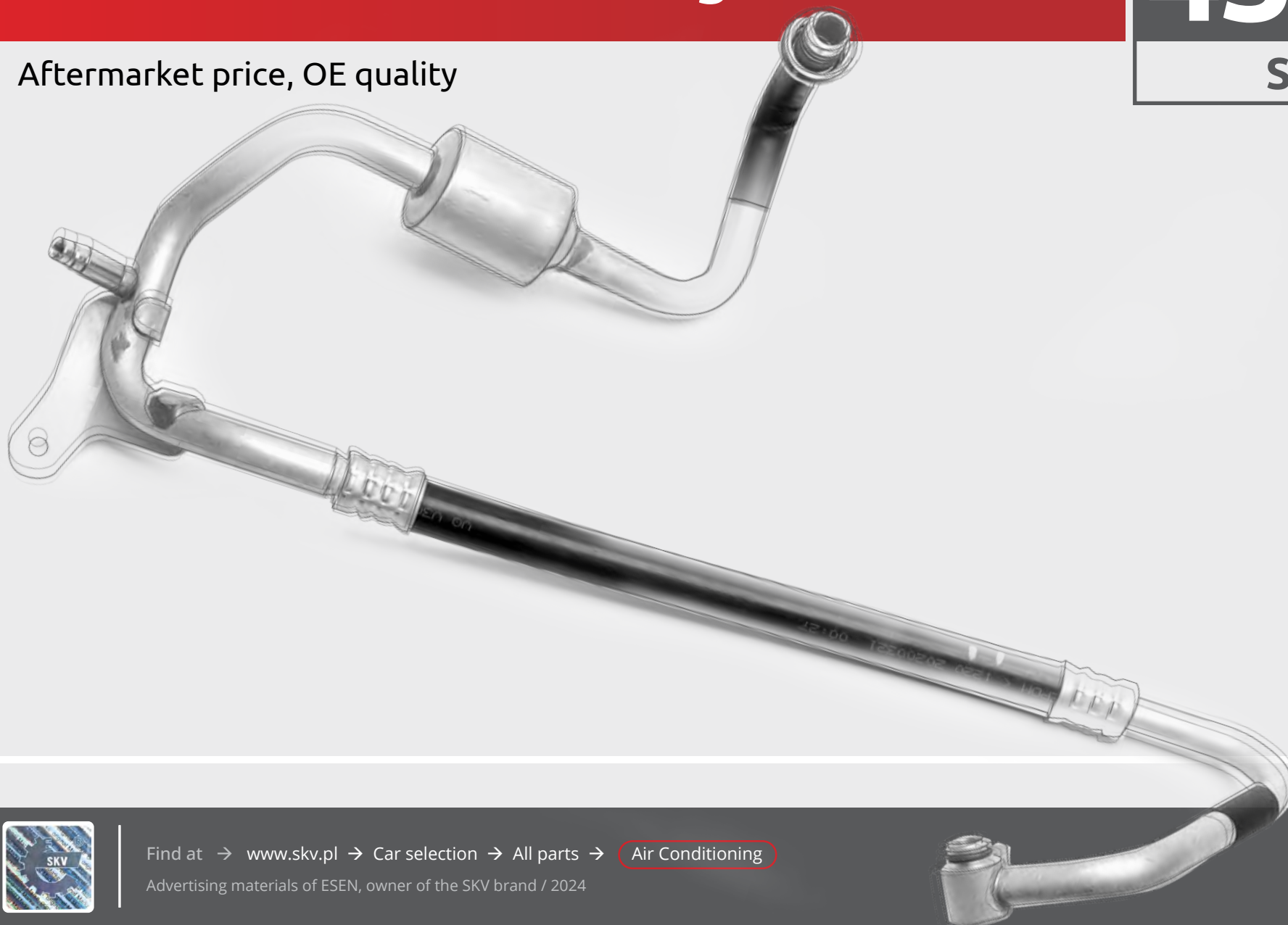
The SKV air-conditioning hoses

Aftermarket price, OE quality

PRODUCT GROUPS

43 | 54

SKV



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

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The SKV air-conditioning hoses

Product benefits

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 **nearly 300 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

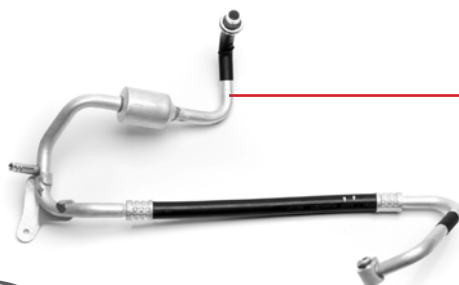


[43SKV529](#)

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

CLOSE TO
300
MODELS

of air conditioning lines and hoses



Materials of highest quality



Warranty **3 YEARS**



Perfect Fit equals hassle-free installation



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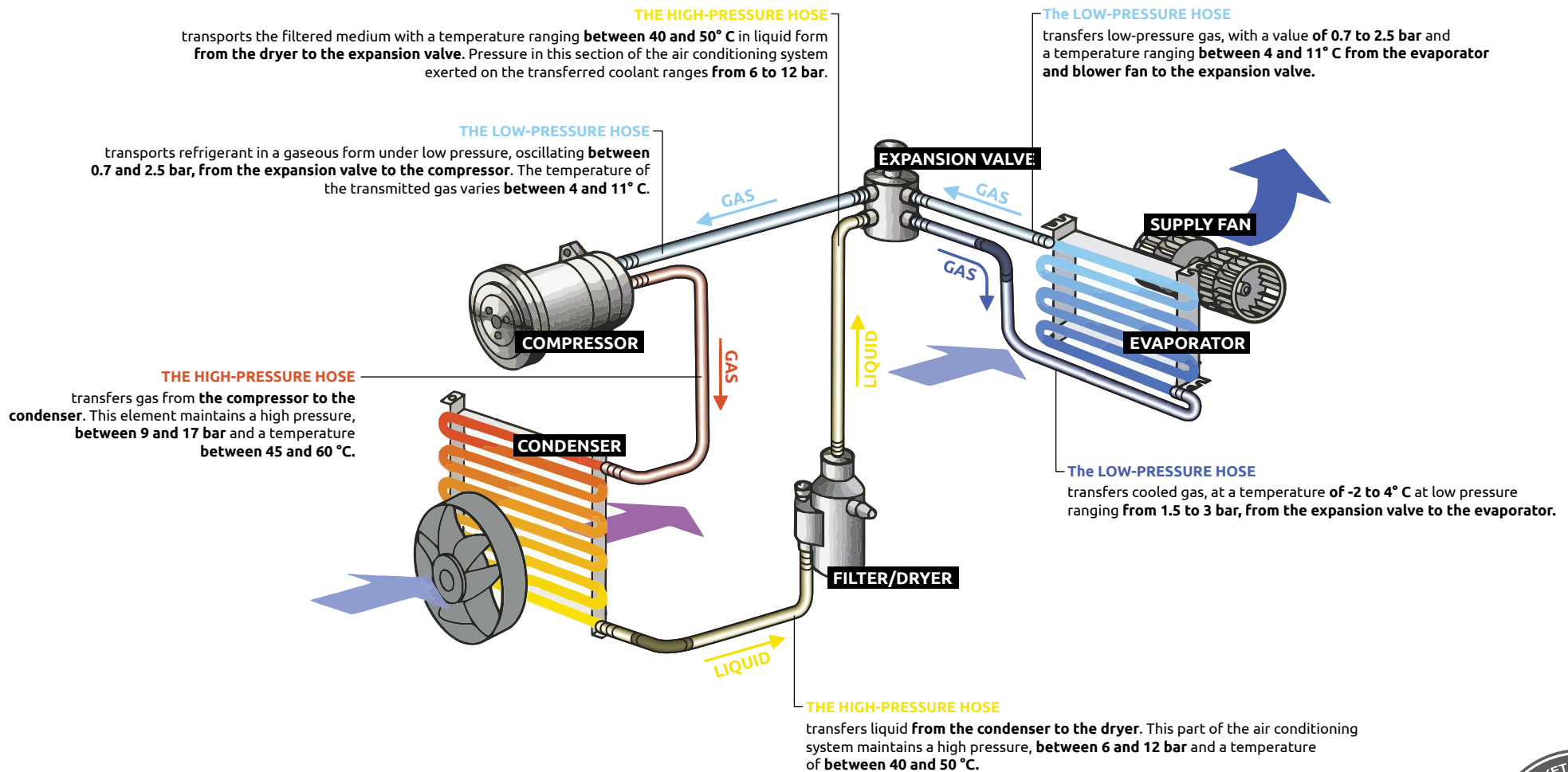


The SKV air-conditioning hoses

Air conditioning system diagram

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.




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**




 A hose connecting **the dryer with the expansion valve**




 A hose connecting **the expansion valve with the evaporator**



 A hose connecting **the evaporator with the expansion valve**



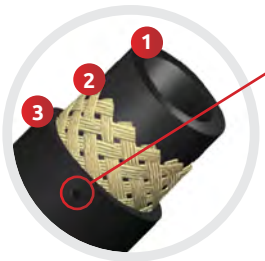
 A hose connecting **the expansion valve with the AC compressor**



3-LAYER FLEXIBLE HOSES

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

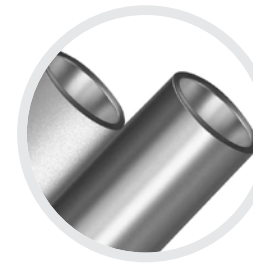
PIN-PRICKED - a micro-perforated outer layer of the hose.



| | |
|---------------|---|
| 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 $\geq 1,5$ 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

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Air conditioning system high-pressure lines

detailed information

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](#)).

group
43
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Join the SKV group and gain more!

FREE advertising materials for the SKV brand

Favorable terms of cooperation under transparent rules

Access to our purchasing platform at www.SKV.pl

Stability and reliability of supply

210 new products added to offer on average per month

Convenient invoicing terms

Service support



The SKV products are factory-new parts:

- made to the same rigorous manufacturing standards as OE counterparts;
- manufactured on the same production lines as parts from the world's leading manufacturers;
- subjected to the same quality controls as OE parts

SKV - Aftermarket price, OE quality



Ways of contact
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sales@skv.pl

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