

# The SKV COOLANT EXPANSION TANKS

Aftermarket price, OE quality

PRODUCT  
GROUP

61

SKV



Find at → [www.skv.pl](http://www.skv.pl) → Car selection → All parts → Cooling System → Expansion Tank, coolant

ESEN company, the owner of the SKV brand.



# The SKV COOLANT EXPANSION TANKS

Product benefits

## What is the purpose of an expansion tank?

An expansion tank **is an essential part of a car's cooling system**. This seemingly simple "plastic" container plays an enormously important role in the system responsible for the engine cooling process. During operation, a drive unit generates high temperatures, which requires outfitting a vehicle with a cooling system.

The purpose of a cooling liquid expansion tank is to **store the cooling liquid**. During engine operation, coolant is circulated through the cooling system to maintain the optimal operating temperature of an engine. The most common material coolant tanks are made of is **translucent polyamide PA**, which allows for monitoring the coolant level without the need to remove the cap. **Visible markings – MIN and MAX** – can be observed on the walls of an SKV coolant expansion tank, indicating the current cooling liquid level for the convenience of the vehicle user. The proper functioning of the drive unit is possible when the coolant level remains between the MIN and MAX values.

SKV expansion tanks, thanks to the use of **high-quality materials**, are adapted to operate in challenging conditions such as high coolant temperatures reaching 100°C or the specific pressure prevailing in the cooling system at around 1.0-1.5 bar.

Within the wide range of SKV products, there are, among others, expansion tank models with an integrated **temperature sensor inside the tank**. The sensor's task is to transmit information to the car's computer about a low coolant level in the system. At the same time, some are equipped with a **socket for the sensor plug** or do not possess sensors at all. The high quality of materials and precision in casting and connecting structural elements **assure the expansion tank's sealing, reliability, and durability**.



The main features of SKV tanks:



**Heat Resistance**



**Anti-Fatigue**



**Anti-Aging**



**Anti-Corrosive**



**A 3-YEAR warranty**



**TecDoc ID**  
4969

Reference numbers starting from **61SKV303**

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# The SKV COOLANT EXPANSION TANKS

Petailed product description

## What are typical malfunctions of a coolant expansion tank in a car?

The cooling system failures are dangerous for the drive unit and can lead to significant expenses related to car repairs. The majority of malfunctions in this case are failures of mechanical components, such as **the coolant radiator, hoses, or thermostat**. Coolant loss in the expansion tank can indicate leakage in **the cooling system or more significant** issues stemming from a damaged head gasket. In extreme cases, a cooling system failure can lead to engine overheating and even engine block cracking.

Depending on the model of the SKV tank the packaging includes:



Coolant level sensor



Mounting clips (if applicable)



Coolant expansion tank cap

The coolant level sensors and tank caps are available in the "Cooling" category on [www.skv.pl](http://www.skv.pl)

## The SKV expansion tanks are characterized by

- ✓ Construction made from high-quality materials and corrosion & heat-resistant polymers
- ✓ Optionally equipped with sensors, caps, gaskets, mounting elements, and bushings in the mounts
- ✓ Thick tank walls with reinforced and sealed connections
- ✓ Over 250 dedicated models for passenger cars and delivery vehicles
- ✓ Precise castings of connectors and mounting brackets
- ✓ A visible scale, with an optional fluid level gauge in the kit
- ✓ Factory-new products in original packaging





# The SKV COOLANT EXPANSION TANKS

Structure

Connector



Mounting bracket with bushing

## Mounting brackets and connectors

The quality of craftsmanship and the arrangement of connectors and mounting brackets allow for the seamless installation of the tank within the engine compartment and its connection to the cooling system.

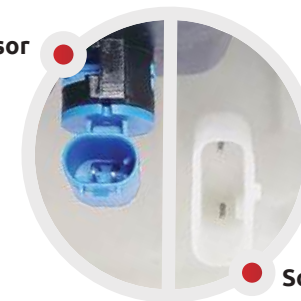
## Durable polymer housing

A polyamide PA is commonly used for production. Polyamide is a semi-crystalline polymer known for high mechanical, thermal, pressure, and corrosion resistance.



Structure of an SKV coolant expansion tank.

Sensor



Socket

## Sensor/socket (\*optional)

For SKV expansion tank models whose construction requires a sensor installation inside the tank, we offer the sensor as part of the kit. In the SKV offer, you will find tanks equipped with a socket for connecting the sensor.



## Liquid level scale

The visible, clear markings MIN / MAX on the tank body allow for monitoring the coolant level in the system. Optionally, in some models, a gauge with markings is installed. It should be placed inside the tank.



## A valve cap (\*optional)

A cap is screwed onto the inlet of the coolant expansion tank. Its tasks include the creation of tightly closing the tank and controlling the recommended pressure in the cooling system. In the cap, one can find a pressure relief & vacuum valve, a spring, and a gasket.

## Reinforced and tight-weld

precise castings of tank edges allow for the creation of sealed and durable connections of tank components.



\*Caps for expansion tanks are available in the SKV brand's catalog starting from reference number **61SKV001**.

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# The SKV COOLANT EXPANSION TANKS

A genuine product



Barcode  
EAN-13

61SKV305



Security Hologram  
Confirming  
authenticity

Product  
name



The SKV logo  
with a product symbol  
and batch number



A 3-YEAR warranty



group  
**61**  
SKV

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# SKV BRAND STRENGTHS

About the SKV brand

**30k<sup>+</sup>** Over 30,000 references

**100<sup>+</sup>** 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



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.



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# AMONG OVER 30,000 SKV CAR PARTS YOU WILL FIND:



CONTROL ARMS  
AND SUSPENSION COMPONENTS



DRIVE  
SHAFTS



POWER  
STEERING PUMPS



STEERING  
KNUCKLES



BRAKE  
HOSES



OXYGEN, EGTS,  
NOX SENSORS



INTAKE  
MANIFOLDS



AIR SUSPENSION  
SPRINGS / BAGS



SWITCHES:  
LIGHTS, WINDOWS, MIRRORS



HOSES:  
TURBO, RADIATOR, INTAKE



BRAKE  
CALIPERS



LOCK BARRELS  
/ IGNITION SWITCHES



WHEEL  
HUBS



OIL  
PANS

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

# BECOME SKV's PARTner!

SKV's diverse range is designed to maximize profitability for its customers.

Ask your distributor for more details.




- 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



online catalogue



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