

# SystemairOVAL+ plastic duct system



- Unique Click system: easy installation and space saving construction
- Low height: Construction height of only 52 mm
- Flexibility: allowed to react during installation of unforeseen circumstances.
- Few components: quick and easy assembly
- Antistatic and antibacterial complete system with flexible flat duct

## Flat air distribution system

With its minimal installation height, OVAL+ is an air distribution system ideally suited to underfloor installation in houses and apartment blocks. Thanks to the flat air ducts and the associated components with an installation height of 52 mm, the system can be used in all those places where round air ducts cannot. The flat duct system is therefore the ideal solution for installation in floors, suspended ceilings or walls and anywhere where a low installation height is required.

## Features

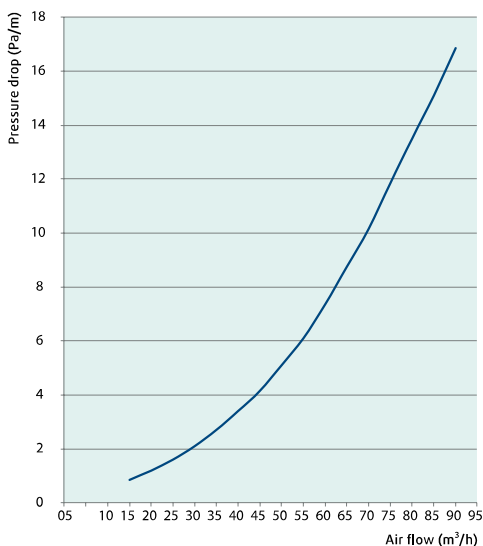
Air tightness: Tightness class D according to DIN EN 12237 (the highest tightness class in the standard)  
 Material: Physiologically and toxicologically harmless PE, with no recycled materials, halogen and emission free, odour neutral  
 Optional: Antistatic and antibacterial duct interior  
 Permissible operating range: -20 °C to +60 °C  
 Fire protection class: Normal flammability, building material class E according to DIN EN 13501 - 1

## Maintenance and cleaning

OVAL+ was developed to avoid contamination in the system and to make cleaning easier. Both the interior of the duct and the distributor are antistatic and antibacterial. The fixation points located outside the system ensure that no screws penetrate the airflow. The rounded flexible ducts and distributors permit easy cleaning. There is a direct connection without branches between the distributor and the valves.

The air ducts must be thoroughly inspected every five years and cleaned if necessary. This inspection should be carried out by an authorised installation company. A cleaning set with rotating brush, inspection camera and vacuum cleaner is available for this purpose.

## Pressure drop

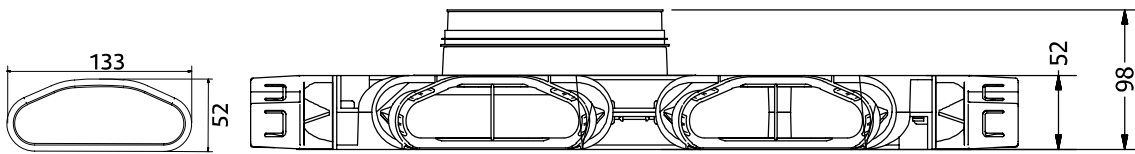


## Technical data

Performance m<sup>3</sup>/h

Main duct			
4 m/s	4,5 m/s	5 m/s	-
60,2	67,7	75,2	-
Branch duct			
2 m/s	2,5 m/s	3 m/s	3,5 m/s
30,1	37,6	45,1	52,6

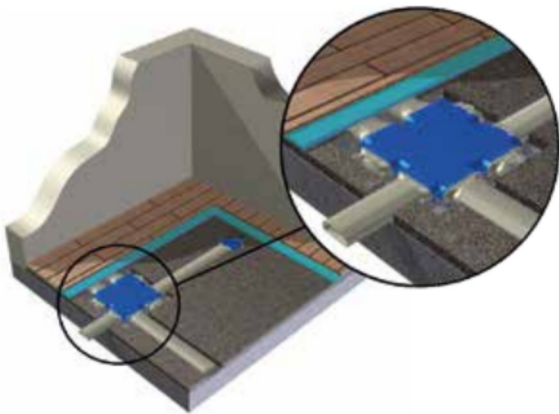
### Dimensions



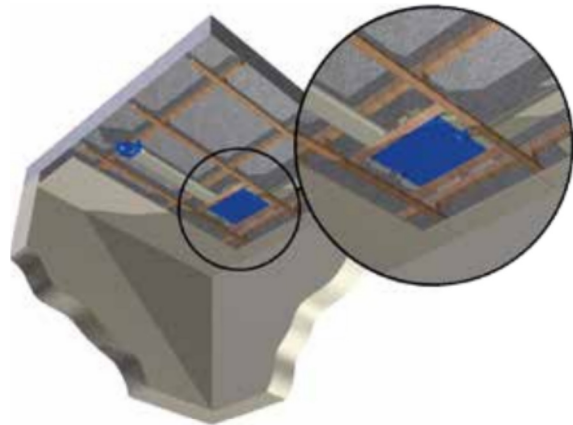
The installation height of the distributor box is also just 52 mm.

### Installation examples

In the floor



In a suspended ceiling



### OVAL+ duct



#### Duct coil

Delivery length: 20 m/roll.

System	Art. no.
OVAL+ S130 plastic duct	313098

### OVAL+ mounting bracket



#### Mounting bracket

For fixing OVAL+ duct system.

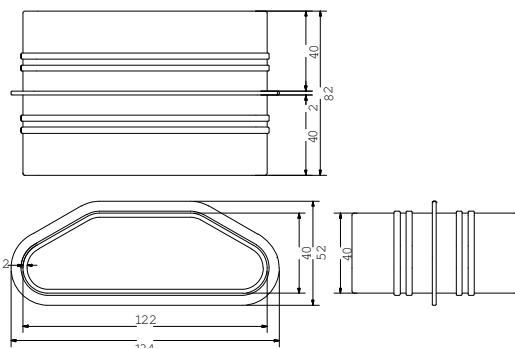
System	Art. no.
OVAL+ mounting bracket	313895

### OVAL+ connector



Made of plastic.

	Art. no.
OVAL+ connector	313099

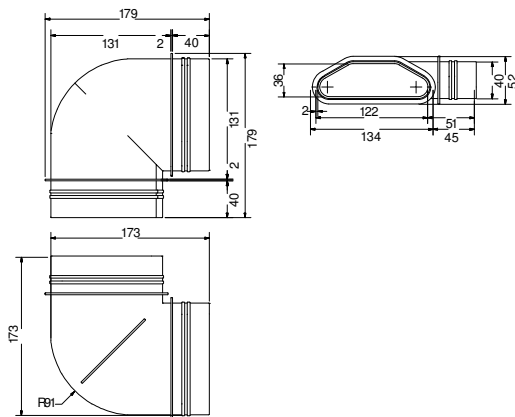


### OVAL+ angle 90°, narrow sided



Made of plastic.

	Art. no.
OVAL+ angle 90°	313100

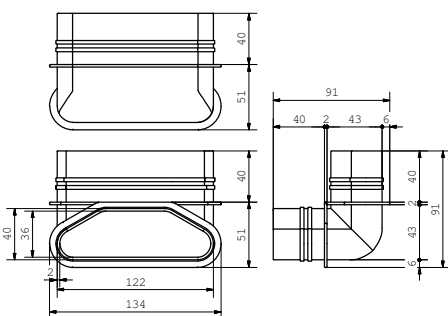


### OVAL+ angel 90°, broadsided



Made of plastic.

	Art. no.
OVAL+ angel 90°	313101

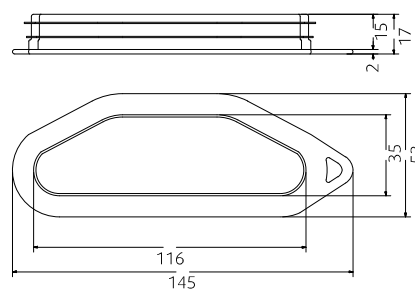


### OVAL+ end cap



Made of plastic for closing of OVAL+ duct ends.

	Art. no.
OVAL+ end cap	313102



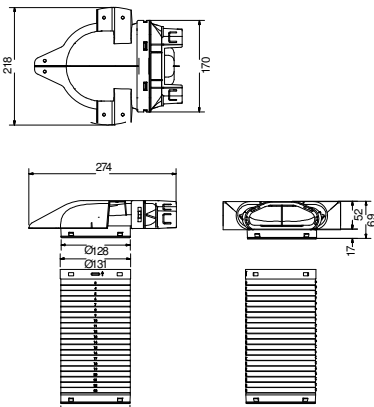
### OVAL+ diverter valve



Made of plastic. Useable to connect OVAL+ ducts with supply air valves and exhaust air valves, L=230mm.

	Art. no.
OVAL+ US 1xS130/125/230*	313862

\*Length changeable



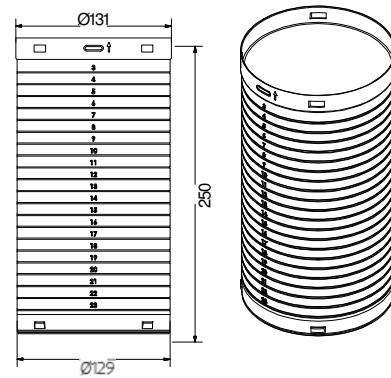
### OVAL+ extension connecting



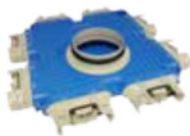
Made of plastic. Length 230 mm.

	Art. no.
OVAL+ US ext. adapter 230*	313742

\*Length changeable

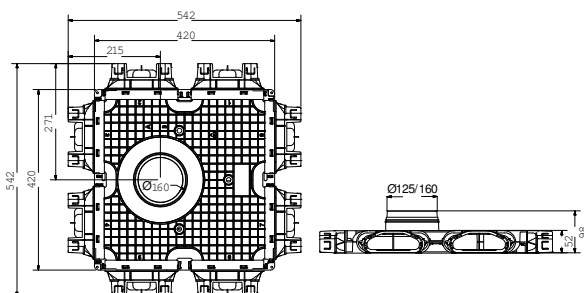


### OVAL+ Horizontal distributor



Made of plastic, incl. end caps.

	Art. no.
OVAL+ HV 8xS130/125	313863
OVAL+ HV 8xS130/160	313864



### OVAL+ Duct cutter

For cutting OVAL+ plastic duct.

	Art. no.
OVAL+ RS Duct cutter	313865