

# Underground distribution systems with heat management



Underground distribution systems make it possible to integrate infrastructure components of various sizes invisibly into the urban landscape and protect them. For this purpose, the active components require an active ventilation system. High power losses are dissipated by means of fans. The dissipated heat ranges from 400 to 500 W at an ambient temperature of 38° C, depending on the installation situation.

## Advantages

### Flexibility down to the last detail

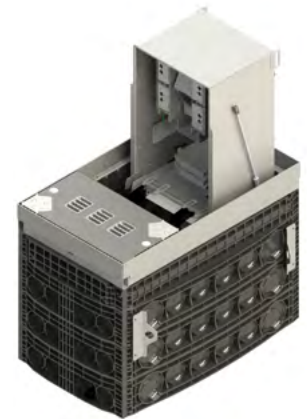
- Easy approval procedure, because the urban or local landscape remains unaltered
- Locked covers provide protection against vandalism
- Protection against flooding
- Redundant fan system prevents the system from failure
- RCD with automatic reactivation
- Adjustment of the components on customer request, using adaptable retaining plates
- Alarm signal in the event of a fault

### Stability and reliability

- Chemical-resistant
- UV-resistant
- Rot proof
- Recyclable
- Multiple certifications and test reports



Underground distribution system EK 890 – closed



Underground distribution system EK 890 – open

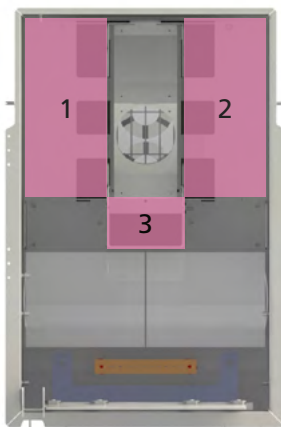
## Practical examples



## Technical data

Designation:	EK 890
Body material:	Polycarbonate (PC)
Frame material:	Hot-dip galvanised steel
Cover material:	Hot-dip galvanised/concrete-lined steel
Submersion hood material:	Stainless steel A2 – 1.4301
Load class:	Based on DIN EN 124/D 400
Protection rating:	IP 48
Max. power loss:	400 to 500 W at ambient temperature of 38° C, depending on the installation situation
Input voltage:	230 V
Capacity of fan system:	Max. 65 W

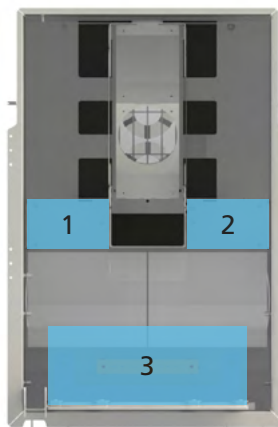
## Construction



### Technical data EK 890 installation space for active technology

Installation space 1 + 2  
 - Height 360 mm  
 - Width 160 mm  
 - Depth 350 mm

Installation space 3  
 - Height 70 mm  
 - Width 150 mm  
 - Depth 370 mm



### Technical data EK 890 installation space for passive technology

Installation space 1 + 2  
 - Height 100 mm  
 - Width 160 mm  
 - Depth 370 mm

Installation space 3  
 - Height 160 mm  
 - Width 400 mm  
 - Depth 260 mm