

EK880 –

With swivelling equipment compartment for power and telecommunication

Product features – Body

- ▲ **Innovative manhole structure with 3D ribFrame**
Modular, resistant, and durable system solution that can be adapted to the specific location
- ▲ **Modular manhole structure**
Flexible, adapts to the respective situation, and easy to handle
- ▲ **Modified polycarbonate (PC)**
Hard-wearing, certified groundwater compatibility, UV-resistant



Product features – Cover

- ▲ **Submersion hood (swivelling)**
Ideal for areas at risk of flooding
- ▲ **Cover/submersion hood safety catch**
Enhanced accident prevention and safe operation of the equipment compartment
- ▲ **Various manhole cover types**
Variable surface material, design and structure can be adapted; blends into the cityscape
- ▲ **Locking mechanism requires a special key**
Protection against unauthorised access – Security
- ▲ **Solid cover**
Cover/lid can be safely removed by mechanical lifting equipment
- ▲ **Step protection/trip guard**
Prevents people from falling in when the cover is open
- ▲ **Opening support for submersion hood**
Ease of opening due to low weight of submersion hood, or using two stainless steel gas springs
- ▲ **4-section triangular or rectangular swivelling cast iron cover**
 - Can be operated without heavy lifting equipment
 - Self-stopping cover with ~115° opening angle
 - 3-section cover, paveable or concrete-lined with galvanised steel frame
 - Height-adjustable
 - Various locking heads are available
 - Optionally available with step protection
- ▲ **Single-walled stainless steel housing with the following door versions:**
 - sealed front
 - with ventilation grille

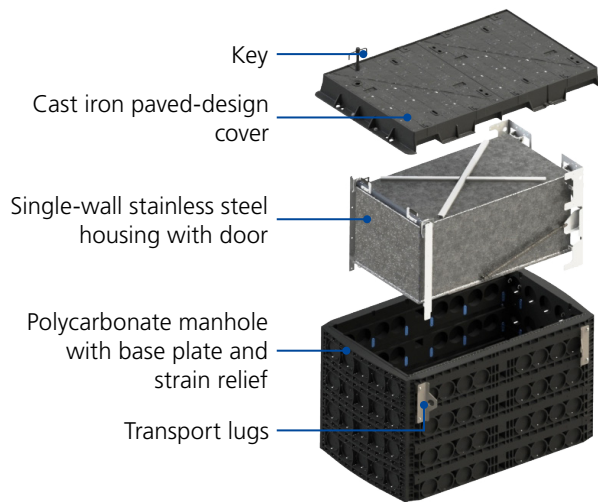


▲ EK880 underground distribution system with open submersion hood

Submersion hood extension variants

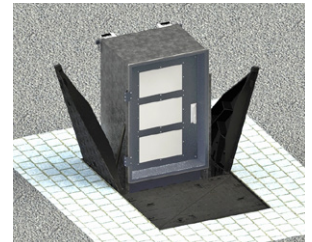
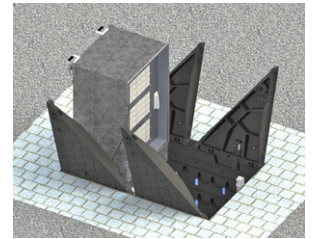
- ▲ Switch disconnecter fuse units, max. 6x NH2, 400 A, three-pole
- ▲ Telecommunication equipment
- ▲ Support for 19-inch technology
- ▲ ETSI frame
- ▲ Mounting panel for individual configuration
- ▲ Further equipment on request

Structure



Commissioning equipment compartment

- ▲ Four-section cast-iron cover, fully opened
- ▲ Submersion hood can be swivelled upwards. Smooth opening by means of gas springs.
- ▲ Access to the equipment compartment/submersion hood. Folded open and locked in place
- ▲ Two sections of the cast-iron cover can be used as a service platform for safe and simple working
- ▲ Unimpeded access to the installed components and cable connections



Extension in form of an underground grid connection for charging infrastructure

- ▲ Space-saving solution for charging columns
- ▲ No annoying connection cabinet in the vicinity of the charging column
- ▲ EVU standard equipment compartment lock using a half-cylinder profile
- ▲ Main fuse can be implemented as an NH isolator or service connection box
- ▲ Suitable for direct measurement up to 63 A
- ▲ Outlets and fuses for multiple charging columns
- ▲ Other operating equipment, for example for the load management of charging columns, can be built into the equipment compartment



▲ EK880 charging infrastructure

Technical data

Designation	EK880		
Clear dimensions	800 x 1400 mm (WxD)		
Overall external dimensions	1240 x 1580 x 715 mm (WxLxH)		
Height above soil with opened hood	approx. 1200 mm	Hood opening angle	~ 115°
Total weight	Approx. 300 kg		
Cover weight	Approx. 150 kg		
Max. load class	D 400 (40 tonnes, 400 kN) as per DIN EN 124		
Passive heat dissipation	100 W		
Air circulation	240 W		
Protection rating	closed: IP48/open: IP 44 (as per DIN EN 60529)		
Maximum installation space for submersion hood	600 x 983 x 250 mm (WxLxD), max. installation depth of electrical components 62 mm for a 1 m water column		
Cover material	Cover: concrete cover, paveable, cast iron paved-design cover		
Submersion hood material	Stainless steel (V2A)		
Body material	polycarbonate (PC)		