

Spatial and technical demands required by the parcel locker

Technical data

The basic structure of the parcel locker's frame is made of sheet metal. The locker doors are made of laminate. The colour of the frame and the lockers both is light gray. The parcel receipt lockers work with battery-powered locks or locks with similar functionalities. The parcel locker does not require a connection to electricity or the Internet. There are 16 receipt lockers in the basic composition. Letters and postcards as well as parcel items have their own sending lockers.

Dimensions of the basic composition: (see picture 1):

- Depth without lock 481 mm and with lock 500 mm
- Width 2,680 mm
- Height including the plinth 1,988 mm

Dimensions of the small composition:

- Depth without lock 481 mm and with lock 500 mm
- Width 1,880 mm
- Height including the plinth 1,988 mm

If necessary, the frames can be divided into two parts in the same premises.

There must be at least 1,500 mm of free space in front of the parcel locker in order to ensure the unobstructed opening of the doors. The frame is modular, which means that the frame can be narrowed or expanded in accordance with the building's number of residents and orders.

The basic composition has been designed for an apartment building with 40–100 apartments. With this number of apartments, the parcel locker's capacity is sufficient for normal online store order volumes and residents' sending needs. If a significant amount of residents' grocery shopping is delivered to the locker, it may be necessary to increase its capacity.

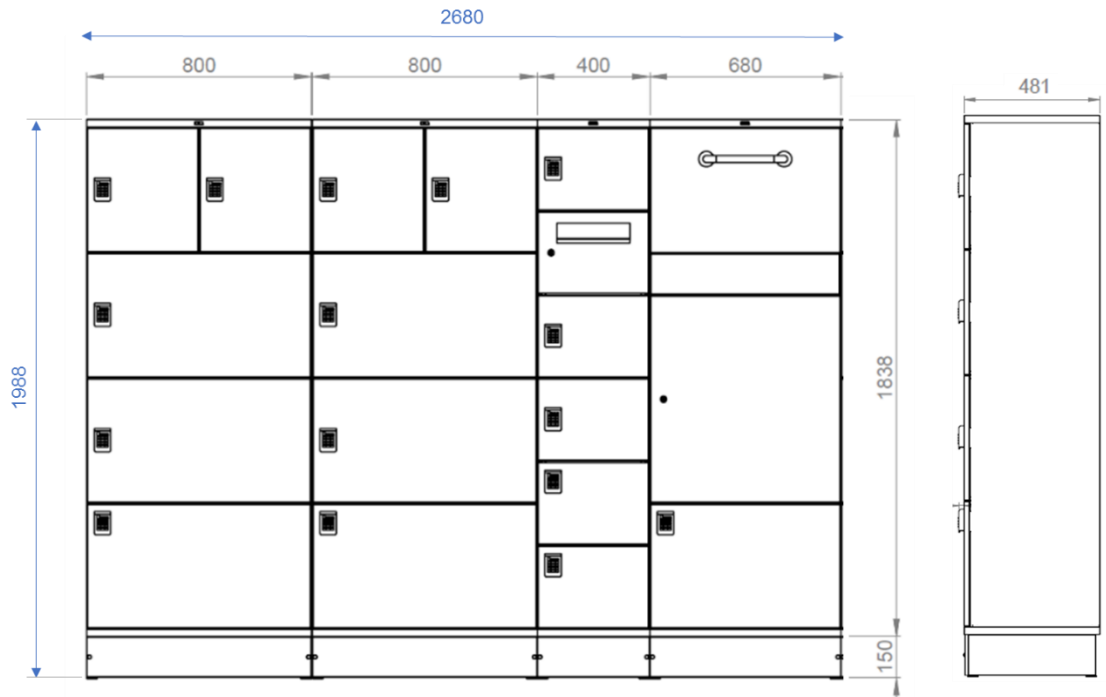


Image 1. Parcel locker's basic composition

The doors of the Smartpost parcel locker are white (RAL 9016) and the frame and the plinth are grayish white (RAL 9002)

Location

The regulations regarding the location of the parcel lockers are based on the Decree of the Finnish Ministry of the Environment on fire safety of buildings and the terms and conditions of the services delivered to the locker. The contractor must be aware of the regulations and instructions regulating the location of the parcel locker. The contractor must also have the approval of the local fire safety authority for the design solution of the parcel locker.

Location of the parcel locker's basic composition

- The parcel locker must be located in its own fire compartment, such as a service hall, storage space or recreational space
- The parcel locker may not be located on a fire exit route.
- The parcel locker may not be located underground.

The parcel locker must be located in a space with a temperature within the range of +8 – +25 degrees Celsius. The frame is fastened either to the floor or the wall. The frame is fastened to the wall through the locker's back wall from the inside. The wall must be a straight and even load-bearing wall. There may not be a notice board, radiator, water pipe or any similar object between the frame and the wall. Good wall materials include stone, concrete and brick. The frame is fastened to the floor with either glue or plugs. On corporate premises, concrete weights can also be used. The maximum height of the wall's baseboard is 8 cm and the thickness 2 cm.