

AVENIO Edge System

Site preparation planning



Planning

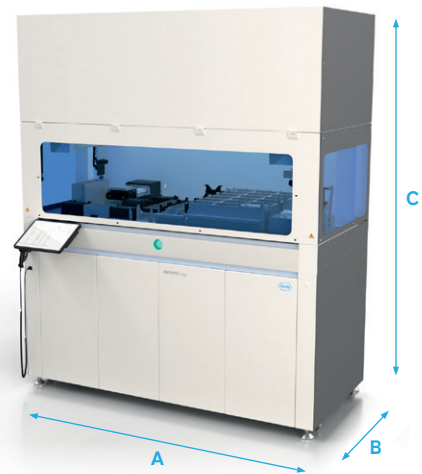
The AVENIO Edge System is delivered in four crates. A trained and certified Roche Service Representative (RSR) will support you in the preparation activities and will be necessary to perform the installation. This document will orient you about the key space, power and operating requirements. You may need to consider a storage area for the crates between the delivery and scheduled installation date. Please coordinate with your RSR on delivery and installation dates.

AVENIO Edge Instrument: 09 283 234 001

FortiGate 50E Firewall: 908 153 299 001

cobas® Link 2 Datastation EU version: 07 269 234 001 / **US version:** 05 440 203 005

AVENIO Designer Software: 09 424 962 001



Site requirements

Power requirements:

Mains voltage range: 110 V to 125 V ±10 %
200 V to 240 V ±10 %

Mains frequency range: 50 Hz ±5 % to 60 Hz ±5 %

Power consumption: 1,760 VA to 2300 VA

Environmental conditions:

Operating temperatures: +15° C to +30° C (+59° F to +86° F)

Relative humidity, (rH): 30 % to 80 % (non-condensing)

Instrument dimensions:

Width (A): 1,659 mm

Depth (B): 900 mm

Height (C): 2,043 mm

Total weight: 560.9 kg

Instrument components

You will receive the following four crates, each containing one (1) each of the following:

Crate 1: Base Unit

(W×D×H: 1,820×990×1,500 mm; weight: 305 kg)

- **Chassis**
Includes: Interface for earthquake protection, status light and drip trays
- **Pipetting arm**
Includes: Lower Disposable Tip eject
- **Gripper arm**
Includes: Gripper head and 2D barcode scanner
- **Touchscreen**
Includes: Mount
- **Front flap**
Includes: Door locks
- **Top panels and roof**
Includes: LED-strip and UV-C Purion 36 W UV light
- **2x Side panels**
- **Back panels** (upper and lower part)
Includes: Fans and diverters
- **Deck segment back panel** (IDS6)

Crate 2: Instrument Deck

(W×D×H: 2,190×1,010×770 mm; weight: 230 kg)

- **Deck**
Includes: Plate and lid storage magazines, short and long gripper finger exchange station
- **Deck segment 2**
Includes: 17× tip tray positions, quantification plate magazine
- **Deck segment 3**
Includes: Trough carrier, trough lid park, reagent mini rack carrier, combi tool, cooling tube rack carrier
- **Deck segment 4.1**
Includes: Primer plate magazine, cooling unit, 5× cooling tube racks, 2× cooling lids, cooling lid park position
- **Deck segment 4.2**
Includes: Output plate position, input position and strip tube downholder, 2× tip park position, lid park position
- **Deck segment 5**
Includes: Separation station, heater shaker, thermal cyclers, 2 waste chutes, liquid waste plate position

Crate 3: Cabinet

(W×D×H: 2,190×1,010×1,070 mm; weight: 189 kg)

- **Cabinet**
Includes: Power button, 2× USB connection, 4× feet & rollers, interface for earthquake protection
- **4× doors**
Includes: Door lock (left compartment)
- **Shelf** (right compartment)
- **Side panels**
- **Back panel**
Includes: Fan and diverters
- **Solid waste compartment**
- **Industrial PC**
- **USB hub**
- **Thermal cyclers controller box**
- **Cooling unit**
- **Handheld barcode scanner**
Includes: Mount

Crate 4: Quantification Module

(W×D×H: 765×610×460 mm; weight: 32 kg)

Quantification module

Software

AVENIO Edge Software (preinstalled)

Hardware installation

A team of 4 professional movers will safely deliver the instrument into the lab. Time and effort needed for transport will depend on the local layout and space available. We recommend a walk through to check doors and elevator prior to installation. The RSR will instruct the movers and supervise the installation of the base unit and its cabinet.

Layout

Transport condition on wheels:

Minimum space requirements:

$A \times B \times C = 1,659 \times 900 \times 2,043$ mm

Net weight of instrument:

5,500 N

Wheel diameter:

50 mm, avoid threshold,
sensitive to shock

Operating condition:

Minimum space requirement:

$D \times E \times F = 2,659 \times 1,984 \times 2,100$ mm

Maximum pressure on floor of each foot:

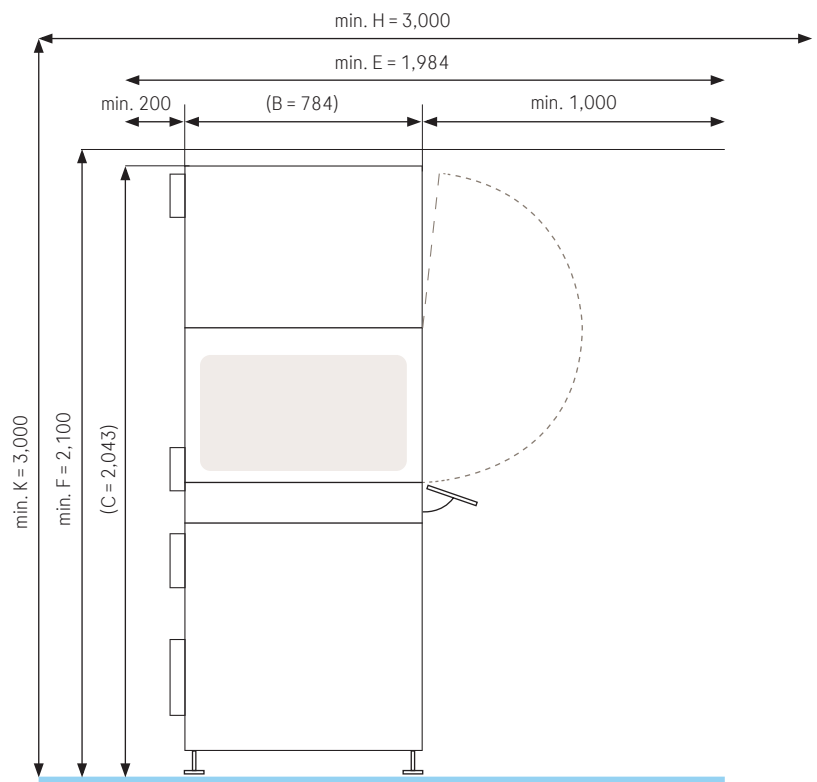
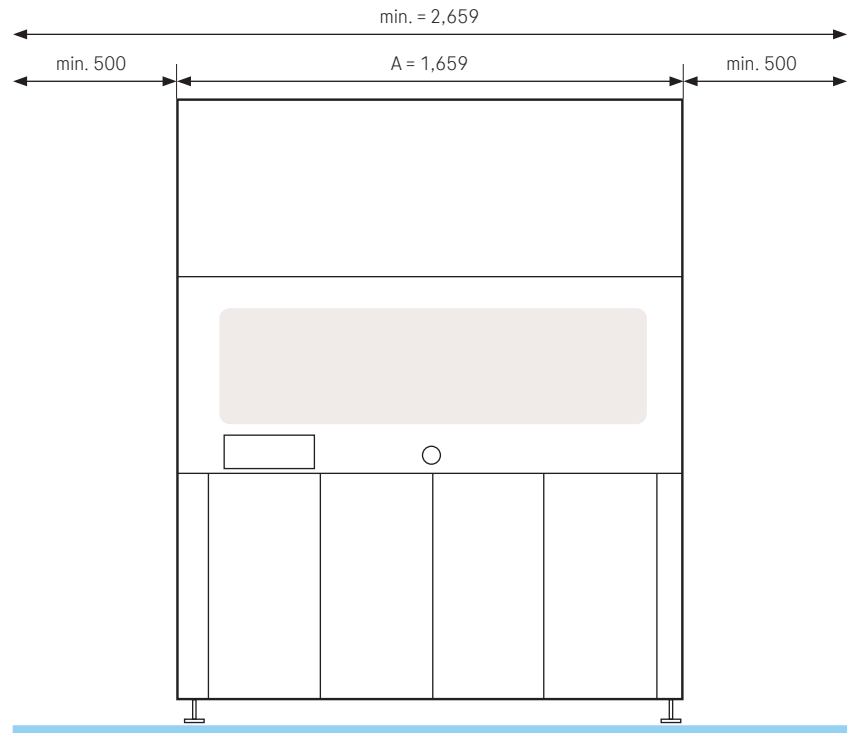
less than 1 MPa

Construction and service condition:

Minimum space requirement:

$G \times H \times K = 2,659 \times 3,000 \times 3,000$ mm

The AVENIO Edge System is a Class 1 IVD and Class A CE IVDR and is intended for downstream diagnostic applications. Reagents and kits mentioned are for Research Use Only. They are not intended for diagnostic procedures. KAPA products are for Research Use Only. Not for use in diagnostic procedures.



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