

Hermetic vertical sliding hatch, type "EFA-HVS-CR®"

Manufacture, delivery and installation of the

Hermetic vertical sliding hatch of the type "EFA-HVS-CR®" with electric drive for permanent industrial application, preferably for material hatches/clean room air showers or inertialised logistics systems with air pressure differences of up to 30 Pa with maximum air loss of $<< 50\text{m}^3/\text{hr}$ (depending on the size) as well as hermetic closing in material elevator shafts.

The components of the door system, which are especially hermetically sealed towards one another, mainly consist of:

A self-supporting frame construction, the door leaf as well as the top box, all components in corrosion-resistant V2A stainless steel (1.4301 IIIC), polished.

The door leaf consists of an aluminium frame with a Styrofoam filling and a cover which is made of 0.8 mm thick V2A sheet. During opening and closing, the door leaf is moved in a frictionless manner by means of 4 plastic-cased ball-bearing rollers, and after the closing procedure, it is pressed against the bearing rail, the frame members and the lintel by special (wedge-shaped) guides so that it seals hermetically.

The DOOR is driven by means of a push-on geared brake motor and a frequency converter by the EFAFLEX MICROPROCESSOR CONTROL. All components of the control including foil-pad (OPEN - STOP-CLOSE) are housed in a plastic switch cabinet made of polycarbonate with sizes of 220 x 565 x 200 mm next to the door, protection type IP 65.

OPENING SPEED: approx. 1.00 m/s

CLOSING SPEED: approx. 0.75 m/s

On-site connection to 230 V / 50-60 Hz. Fuse 16 A

The scope of supply also includes a wireless safety contact strip, self-monitoring pursuant to DIN EN 12453; also included in the standard is an opposed sensor which is fitted into the frame.

Regulations pursuant to DIN EN 13241-1 are complied with!

for clear dimensions (at least $W \times H = 500 \times 600 \text{ mm}$)
(max. $W \times H = 1,300 \times 1,500 \text{ mm}$)

Width = mm x Height = mm

Manufacturer:
EFAFLEX Tor- und Sicherheitssysteme GmbH & Co. KG
www.efaflex.com

Options for the hermetic vertical sliding hatch, type "EFA-HVS-CR®"

Door leaf

Disposes of a 300 x 300 mm window made of tempered safety glass, fitted flush into the door leaf.

Activators and signals

Version suitable for clean rooms as UP proximity switch, LED traffic light