**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 << 50m³/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 x H = 500 x 600 mm)  
 (max. W x H = 1,300 x 1,500 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