



INSTALLATION AND USAGE MANUAL

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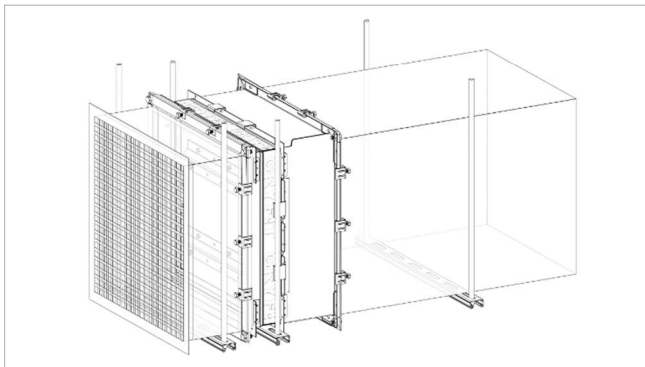
VX-6 SMOKE CONTROL DAMPER FOR SINGLE COMPARTMENT SMOKE AND HEAT CONTROL SYSTEMS WITH MAXIMUM TEMPERATURES UP TO 600 °C

E₆₀₀ 120 (v_{ew} – h_{ow} – i↔o) S1500 C₁₀₀₀₀ AA single

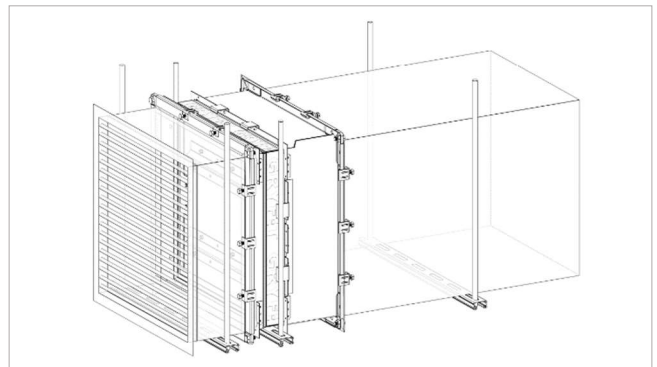
CERTIFICATE OF CONSTANCY OF PERFORMANCE 1391-CPR-2017/0173

1. SCOPE OF MANUAL

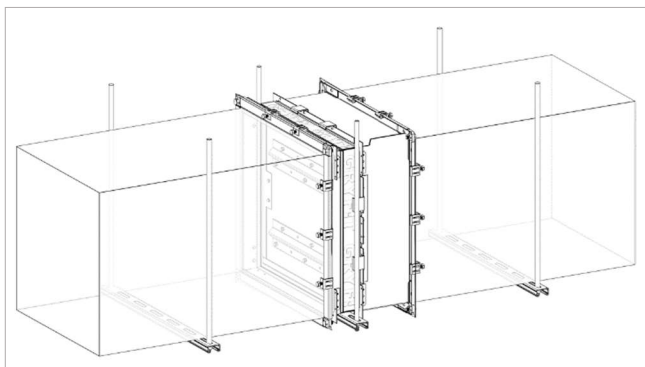
This manual defines the installation conditions of the VX-6 smoke control dampers for single compartment smoke and heat control systems with maximum temperatures up to 600 °C under fire conditions.



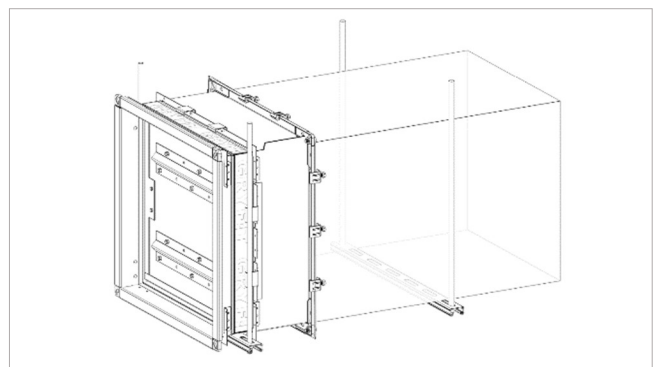
Drawing. 1. The VX-6 damper with TKA grille within the E₆₀₀ 120 (h₀) S1500 single duct.



Drawing. 2. The VX-6 damper with TRA grille within the E₆₀₀ 120 (h₀) S1500 single duct.



Drawing. 3. The VX-6 damper within the E₆₀₀ 120 (h₀) S1500 single duct.



Drawing. 4. The VX-6 damper at the end of the E₆₀₀ 120 (h₀) S1500 single duct.

2. INSTALLATION

Installation should be carried out by a professional trained in the installation of fire safety components.

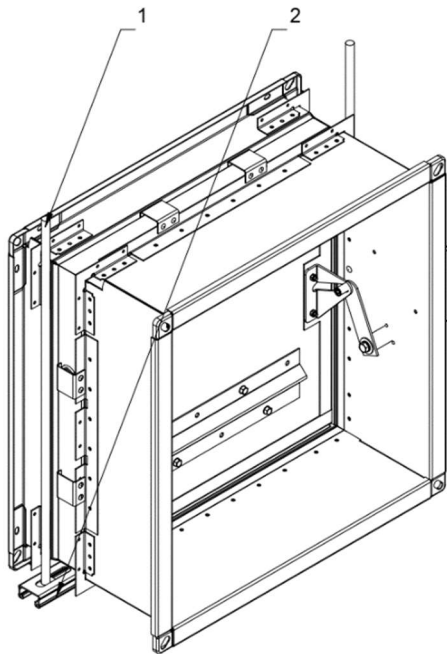
2.1 INSTALLATION METHOD

The smoke control damper should be placed axially within the smoke control ducts to be connected to. Depending on the damper size, damper blade sticks out the damper body in open damper position, therefore it should be verified that none of the connected smoke control ducts components (i.e. elbow, T-piece etc.) will constitute an obstacle. Open and close the damper after connecting to smoke control ducts.

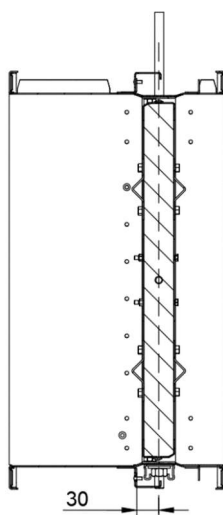
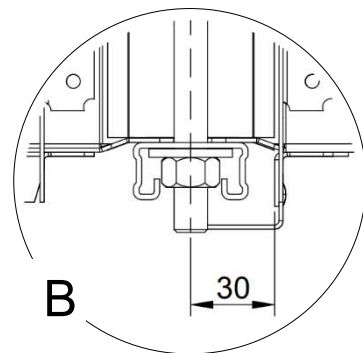
2.2 ADDITIONAL REQUIREMENTS:

- While installing damper it is inadmissible to grime a control mechanism of the damper with mortar, glue or paints. The control mechanism of the damper has to be absolutely protected until the masonry and painting works are completed.

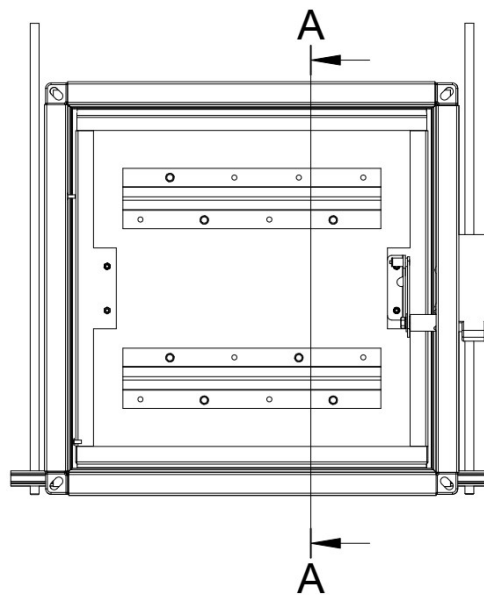
- The damper blade has to remain closed during installation. The damper body cannot be subjected to any loads or stresses, as this may cause permanent deformation and damage to the damper.
- Before permanent connection with smoke control ducts, the damper should be mounted in a stable way with the use of a mounting rail to assure that after connecting, the mechanical stresses and vibrations of the smoke control system during operation are not transferred to the damper body.
- Minimum clearance of 200 mm should be left for service between the nearest element of the building and the mechanism.



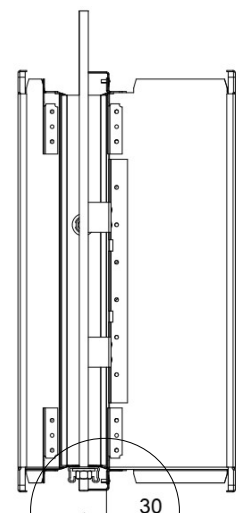
1. M12 threaded rod - axis at a distance of 30 mm from the body reinforcement as shown in the drawings below.
2. Certified mounting rail for single compartment smoke and heat control systems with maximum temperatures up to 600 °C under fire conditions. Select taking into account the mass of the damper being installed (details in datasheet of the VX-6 damper) and the required fire resistance of the installation.



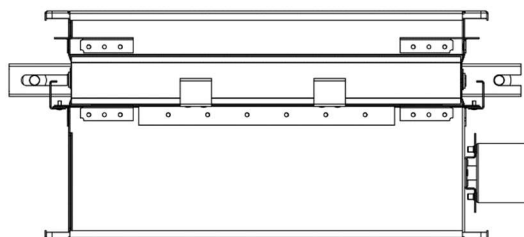
A-A



A



B



3. OTHER REQUIREMENTS

Other requirements specified in the Installation and Usage Manual IMU-BPP-031-B-2017.08.17-ENG should be respected.