TROX® TECHNIK
The art of handling air

HONG KONG–ZHUHAI–MACAU BRIDGE

view

Application range
Transport / Tunnel

Type
Reference, Showcase

The main construction included the Main Bridge which also included a 6.7-kilometer undersea tunnel, TROX China have supplied total 588 JFC dampers; the Hong Kong side (Hong Kong Link Road) included a 1-kilometer Scenic Hill Tunnel.

For the Link Road tunnel on Hong Kong side TROX Malaysia have supplied total 303 JFM dampers of which 289 dampers size ranging from 1.6m^2 to 3.5m^2 installed in the Over Head Ventilation Duct along the tunnel are fitted with fail-as-is electric actuators while rest of the dampers size from 8m^2 to 12m^2 used as fan dampers are fitted with fail-safe spring return electric actuators.

All dampers are fire rated to 4 hours and suitable for operation at the temperature of 250 degrees C for a period of 2 hours.

The dampers leakage rates are third party tested and proved to be well below that required in the UL555S Class I classification after having undergone 20,000 open and close cyclic operations.