Fire Rated Air Valves
Accessories



Fire Rated Air Valves are a unique and cost effective fire rated solution where recessed ceiling air valves are to be installed in fire rated floor/ceiling constructions. In a fire situation, the integral intumescent material rapidly expands to seal off the air valve to help maintain the fire resistance rating of the ceiling. This limits the risk of fire and heat spread throughout the building.

The Fire Rated Air Valves are available in all common sizes. The Fire Rated Air Valves are installed as normal and require no addition maintenance over and above standard cleaning as would be carried out for any air valve. The product requires no maintenance after installation. The Fire Rated Air Valves are suitable for domestic homes, as well as apartments, hotels and other multiple occupancy buildings where fire ratings exist.

Test Data

Report Type	Fire Test Lab	Report Number	Construction	Fire Rating
Full Scale Loaded Floor Fire Test to BS EN 1365-2	The Building Test Centre	BTC18074F / BTC 21144FA	Solid Timber Joist Floor	60 Minutes
Full Scale Loaded Floor Fire Test to BS EN 1365-2	Warrington Fire	422978	I-Beam Joist Floor	30 Minutes
Full Scale Loaded Floor Fire Test to BS EN 1365-2	Warrington Fire	394530	Metal Web Joist Floor	30 Minutes

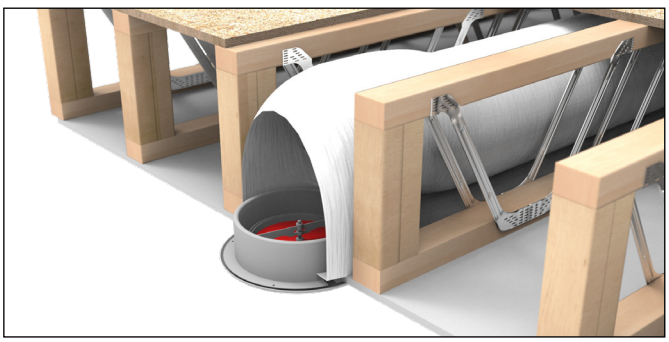
Storage & Durability

Storage	Dry, ambient
Transportation storage temperature	-20°C to +70°C
Working Life	48 years
Durability	Type X intended for use in conditions exposed to weather (UV, rain, frost)
Fungal Resistance	Protected by polythene
Smoke/Halogen Content	Low Smoke / Zero Halogen

Fitting Instructions

- Cut hole in ceiling to suit the outside diameter of the air valve mounting ring
- Fix the air valve to the ceiling via the screw holes in the valve
- Attach ducting onto the air valve mounting ring
- Fit the body of the valve into the mounting ring with a quarter turn twist
- Set inner cone clearance to provide required air flow rate (max. 12mm)
- Ensure the air valve is fitted snugly within the ceiling with no gaps or voids
- The penetration is then sealed against the spread of fire and the fire rating
- Other ceiling penetrations must be fitted a minimum of 200mm apart from the Fire Rated Air Valves

Cat. No.	Product type
FV1250	100 Ø Fire Rated Air Extract Valve
FV1251	125 Ø Fire Rated Air Extract Valve
FV1260	150 Ø Fire Rated Air Extract Valve
MRFREV200	200 Ø Fire Rated Air Extract Valve
MRFRSV100	100 Ø Fire Rated Air Supply Valve
MRFRSV125	125 Ø Fire Rated Air Supply Valve
MRFRSV150	150 Ø Fire Rated Air Supply Valve
MRFRSV200	200 Ø Fire Rated Air Supply Valve



Note: Manrose does not guarantee compliance with Building Regulations Part B, Fire Spread or other regulations that relate to fire planning. Suitability to comply with these regulations should be determined prior to installation and in conjunction with Building Control Officers. Compliance with the Regulations is specifically excluded from quotations and designs. For further information, please contact our technical support department.

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