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Product Information

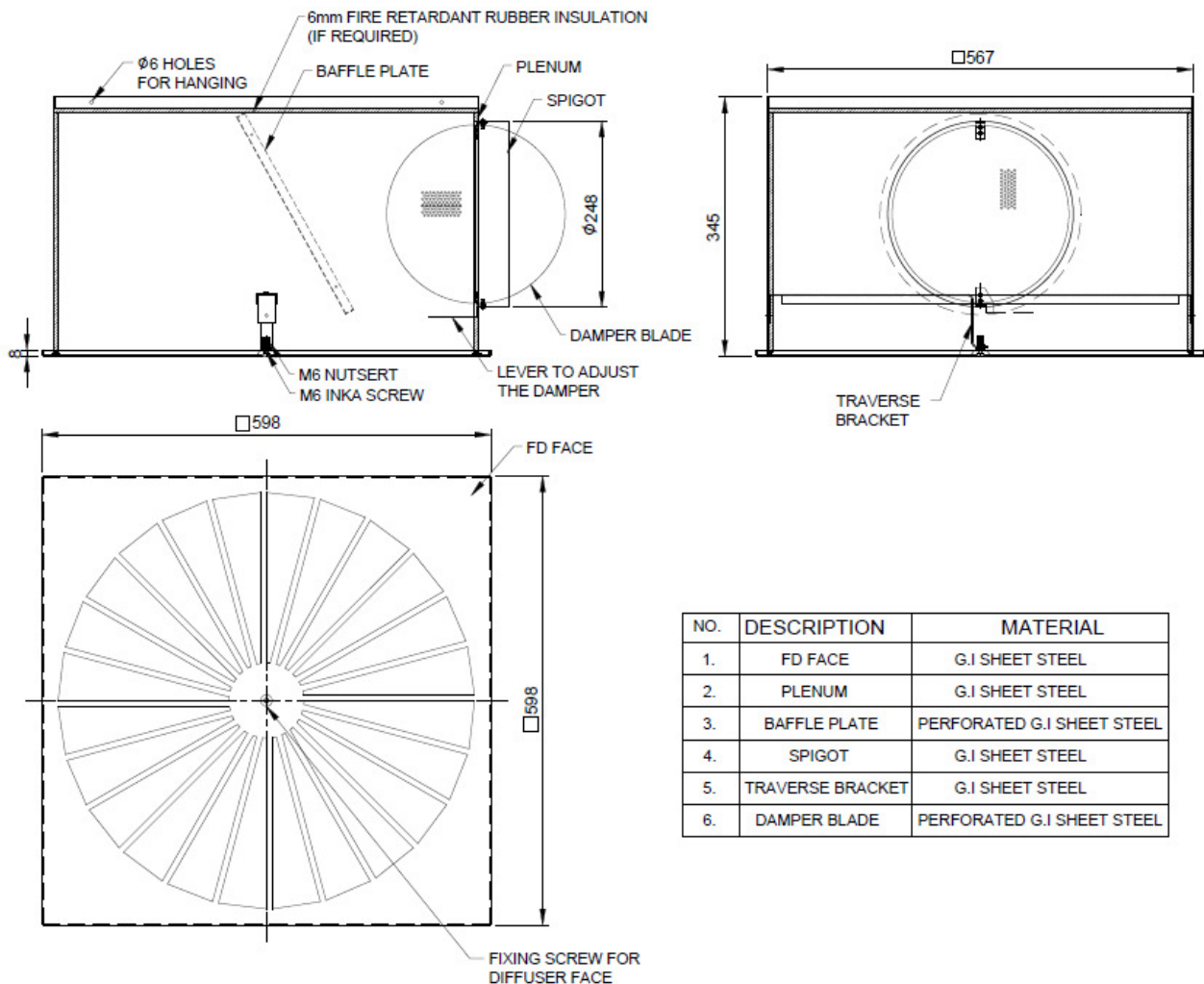
Radial Swirl Diffuser Type FD600/24 PI M 2/6.1/EN/1

Description

The TROX FD600/24 Swirl Diffuser is designed to fit into a standard 600 mm square ceiling tile with 24 fixed blades and is provided with either a square or round face. It is only manufacturer in ONE size but, it can be supplied with blanking plates fitted to the rear of the diffuser face to reduce the air flow if needed. This diffuser is designed to provide a radial air flow discharge pattern with high induction flow rate.

Construction

The diffuser face can be detached from the plenum box by removing the screw at the centre of the face. The screw head is fitted with a decorative cap to match the standard colour of the diffuser face, which is in matt white to RAL 9010. The plenum box can be supplied with either a top or side entry spigot. A volume control damper to the inlet spigot and internal lining of the plenum box can be provided as optional extras. For T-bar ceiling, the face size will be 595 mm by 595 mm.



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Product Information

Radial Swirl Diffuser
Type FD600/24
PI M 2/6.1/EN/1

Materials

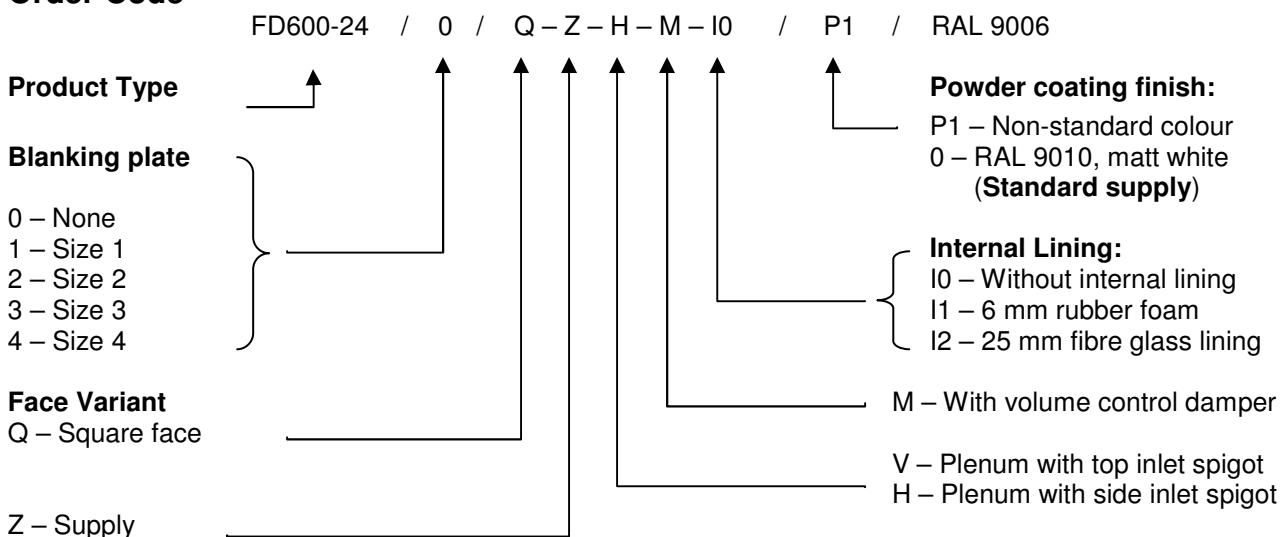
The diffuser face is manufactured from galvanized sheet steel with powder coating to RAL 9010 (matt white) as a standard finish. Non-standard colour can be provided on request.

Plenum boxes are also made of galvanized sheet steel. Internal thermal lining can be provided to the plenum boxes with either in 6 mm thick fire retardant rubber insulation or 25 mm thick semi-rigid glass fibre insulation on request. The fibre glass insulation has Marglass lining on the exposed face to prevent fibre erosion for air speeds at up to 20 m/s.

Performance Data

| Type | Air Flow (l/s) | ΔP (Pa) | NC Level | SPL in dB(A) |
|-------------|----------------|-----------------|----------|--------------|
| FD600-24/ 0 | 275 | 20 | NC 38 | 44 |
| | 220 | 12 | NC 35 | 41 |
| FD600-24/ 1 | 177 | 11 | NC 35 | 41 |
| | 150 | 8 | NC 30 | 36 |
| | 101 | 4 | NC 25 | 29 |
| FD600-24/ 2 | 165 | 17 | NC 35 | 39 |
| | 141 | 12 | NC 30 | 36 |
| | 100 | 7 | NC 25 | 29 |
| FD600-24/ 3 | 140 | 23 | NC 35 | 40 |
| | 123 | 19 | NC 30 | 36 |
| | 92 | 10 | NC 25 | 29 |
| FD600-24/ 4 | 108 | 34 | NC 35 | 39 |
| | 91 | 24 | NC 30 | 35 |
| | 72 | 15 | NC 25 | 29 |

Order Code



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