

CORROSION RESISTANT PLASTIC DUCTWORK



PUSHING FRONTIERS TO DEVELOP THE RIGHT ENVIRONMENT

- Available in circular and rectangular sections.
- Sizes up to 3,000mm dia.
- Pressures up to - 3,000pa.
- Upvc

- Upvc / FRP
- PP
- PP/FRP
- PPs
- FRP

- SS / PVDF
- Cpvc
- Upvc, PP, PVDF el (Electrically Conductive)
- DW 154

- SMACNA
- FM4910 & 4922



DISCHARGE STACK, 1,250 DIAMETER WITH AN OVER ALL HEIGHT OF 15,000

- The stack is constructed in PP/FRP and is part of a 36,000 m³/hr Air Pollution Control plant serving a Micro Electronic Production facility.
- PP was selected due to its excellent chemical resistance to HF / H₂SO₄, HNO₃ / H₃PO₄ / HCl / HBr NO / NOX and HCL.



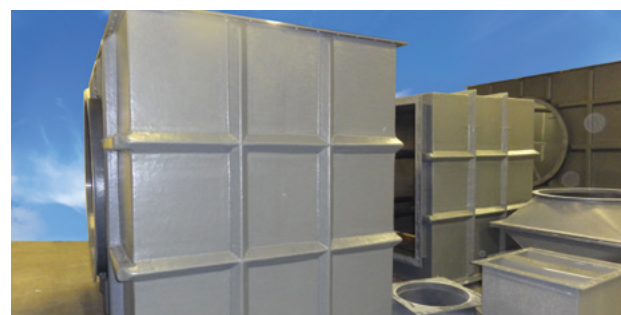
3,200 BY 1,800 RECTANGULAR PLENUM 10,000 LONG

- Manufactured in Upvc / FRP, with additional encapsulated mechanical stiffening sections.
- The total assembly, together with Heat Exchangers, were fabricated in flanged lengths, allowing for site construction
- The header collected the discharge from 80 Fume Cupboards by means of an extensive range of Upvc ductwork.



PP DUCTWORK, WITH A 2200 BY 1200 CROSS SECTION, MANUFACTURED IN FLANGED LENGTHS FOR SITE FIXINGS

- The Ductwork was part of a leading University sporting complex.
- Due to the operating criteria and site restrictions the ductwork was constructed based on an enhanced DW 154 specification.
- Operating @ - 2,000pa, an internal bracing matrix was designed to improve the mechanical construction without the need of external FRP.



VARIOUS SECTIONS OF UPVC / FRP DUCTWORK, INCLUDING TAPERS, CROSS SECTION CHANGES AND TRANSFORMATIONS

- The components were used as part of an extensive Fume Cupboard extraction system, installed at a leading research institute.
- The project also included Plastcon heat exchangers and centrifugal direct coupled fans.
- Total extraction rate was 60,000 m³/hr.

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