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FACTORY FABRICATED RECTANGULAR DUCT





Introduction:

Rectangular duct is a type of sheet metal duct that supplies air for ventilation in various applications. It can be adapted to fit in tight spaces and building height restrictions. It is usually made of galvanized steel and has interconnecting ends that lock together with brackets. UI are experts in custom fabrication with all the duct support, duct reinforcement, and duct connectors needed for your job. Ductwork and fittings can be with beading or without beading with connections such as S & D, TDF and MS Flanges. Accessories, such as TDF Cleats, gaskets, nuts and bolts, will be supplied for all duct work at the customer's request.



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Why UNIVERSAL INDUSTRIES:

UNIVERSAL INDUSTRIES is a leading designer, fabricator of sheet metal ducting. We UI committed to deliver a wide range of sheet metal work solutions across the world. UI has been serving the needs of HVAC Systems, and Sheet Metal Fabrication services. Our industrial facilities are situated in Chennai City (Tamil Nadu - India). We are qualified professionals who are fully dedicated to serve our clients. Ul assure high quality standard and committed to maintain an effective Quality Assurance System complying with International Standard ISO9001-2015 (Quality Systems), that will sustain the company's reputation and achieve customer satisfaction. The certificates that UI holds, is a proof of how serious we are emerging to reach an international standard that we are proud of and keep us on top of the industry in the region. UI product designs are always based on the relevant international standards and codes to produce cost effective solutions to ensure products reliability followed by continuous development to fulfil our customer satisfaction. All rectangular duct and fittings are fabricated from hot-dipped galvanized steel in gauges that meet or exceed SMACNA standards for rectangular ducts for the appropriate connection types listed below

- Multiple Connections: Slip & Drive, MS Flanged, Slip on Flanged, TDF or Welded
- Offer the best choice where physical space limitations are a prime consideration
- Manufacture any type of transition and fitting with best quality
- Do highest air carrying capacity for any given width and height of application
- Automated Design-to-Coil-Line AutoCAD eliminates labour intensive manual drafting.



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TDF FLANGED CONNECTION

Transverse Duct Flange is a 4 bolt duct connection system that eliminates time and waste, rather than using separate connectors to assemble your system, TDF flanges are roll-formed onto duct during the manufacturing process. This connection minimizes leakage and installation costs. They can be made of galvanized steel (26 G to 18 G), Stainless Steel (26 G 24 G), or Aluminium (22 G to 18 G).

SLIP & DRIVE CONNECTION

We manufacture the slip and drive connectors ,to meet your specifications. Connectors can be shipped cut-to-length at your request to minimize field assembly time.

PLENUM BOXES

Plenums can be custom fabricated to meet most any insulation requirement and delivery schedule. We shall manufacture, Diffuser Plenum Boxes, Spill Air Boxes & Cross Talk Silencer as per the request.





Smacna - 2005							IS 655 1963 & 2006			
Duct Sizes mm	Operation Pressure Pa						Medium			
	250		500		1000		Low Pressure		Pressure	
-	Gauge	Connector Type	Gauge	Connector Type	Gauge	Connector Type	Gauge	Connector Type	Gauge	Connector Type
0-450	26	C&S/TDF	26	TDF	26	TDF	26	C&S	22	TDF
451-750	26	C&S/TDF	26	TDF	24	TDF	24	C&S / TDF	20	TDF
751-900	26	TDF	24	TDF	22	TDF - JTR	22	C&S / TDF	20	TDF
901-1000	26	TDF	24	TDF	20	TDF - JTR	22	C&S / TDF	20	TDF
1001-1200	24	TDF	22	TDF	18	MS Angle	22	TDF	20	TDF
1201-1300	24	TDF	20	TDF	18	MS Angle	22	TDF	18	TDF
1301-1500	24	TDF - JTR	18	TDF			22	TDF	18	TDF
1501-1800	22	TDF - JTR	18	TDF - JTR			20	TDF	18	TDF
1801-2100	20	TDF - JTR	18	TDF - JTR			20	TDF	18	TDF
2101-2200	18	TDF - JTR	18	TDF - JTR			20	TDF	18	TDF
2201-2400	18	MS Angle	18	MS Angle			18	MS Angle	18	MS Angle
2401-2700	18	MS Angle					18	MS Angle	18	MS Angle



South Asia ISO 9001: 2015 **Certificate No. 99 100 22850**

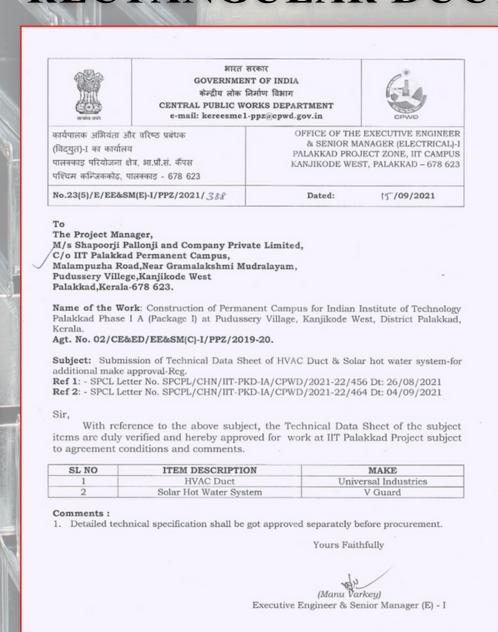
ISO 9001: 2015

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CERTIFICATE The Certification Body of TÜV SÜD South Asia Private Limited Universal Industries DP-58, 1st Main Road, SIDCO Industrial Estate Kattur, Thirumullaivoval, Chennai - 600062, Tamil Nadu, India has implemented Quality Management System in accordance with ISO 9001:2015 Manufacture and Supply of HVAC Ducts, Grilles & Diffusers, Pre Insulated Pipes & Accessories The certificate is valid from 2022-12-12 until 2025-12-11 Subject to successful completion of annual periodic audits if this certificate can be obtained through TUV SUD website by scanning bell te number (without spaces) on web page. Further clarifications regarding the Date of Initial certification: 2022-12-12 Issue Date: 2022-12-12 Rev. 00

CPWD APPROVED RECTANGULAR DUCT



CIPET TEST CERTIFICATE

CIPET: INSTITUTE OF PLASTICS TECHNOLOGY सिपेट : इंस्टिट्यूट ऑफ प्लास्टिक्स टेक्नोलॉजी (Ministry of Chemicals & Fertilizers, Govt. of India) तेत्र : 91-44-2225 4701-6 फैक्स : 91-44-22254707 Tel: 91-44-2225 4701-6 Fax: 91 - 44 - 22254707 परीक्षण रिपोर्ट/TEST REPORT रिपोर्ट सं / REPORT NO. : 69320 東、村 / SI. No. 29246 11-05-2022 Test Duration: 27-04-2022 To 11-05-2022 भाग - ग / PART - C परीक्षण परिणाम / TEST RESULTS Test Value Obtained Test Name Part 12

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