

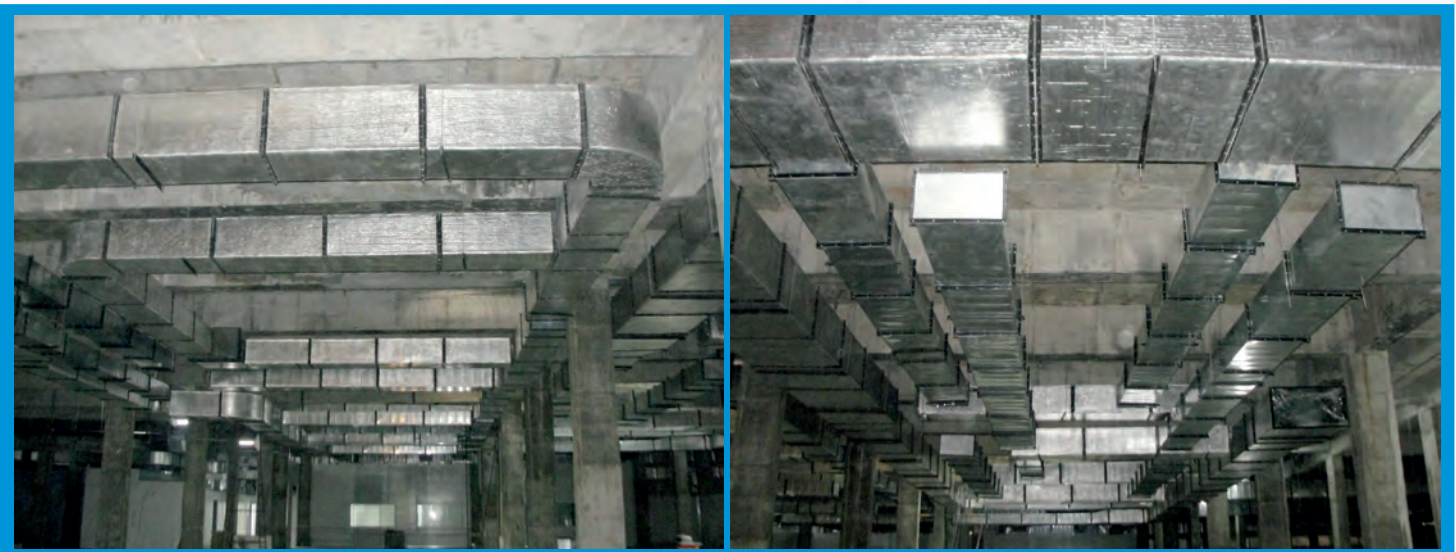
DUCTING SOLUTIONS

...that are redefining fabrication!

PRE-ENGINEERED & INSULATED DUCTS

PHARMA ENGINEERS are highly experienced in the fabrication of Ducting and are in the process of redefining the fabrication technology. We believe more in practical applications and less on theory and this actually made it possible for us to standardize the duct sizes as per CFM. Standardization helps fabricate materials well in advance and thus helps complete the project within the right time frames.

Pharma Engineers has complied with all the standards in one page and also defined internal standards. Pharma Engineers can also supply ONLY DUCTS as standalone products.



SALIENT FEATURES

- Fabrication as per IS 655, Testing norms meeting SMACNA 2012
- In-built sealant for longitudinal joint
- All ducts are factory fabricated, cleaned and washed
- 100 % shrink wrapping along with FM approved thermal Insulation
- Routine test for leakage along with Print out
- Leakage Class 16 with seal class C at 2.0" Static Pressure
- Flanges can be Metal, TDF or SLIP ON
- Flanges with standard punching for universal fixtures for joining 2 flanges of similar size ducts opening
- Saves substantial amount of time for completing the site on time
- All the ducts are made and labeled according to the drawings with respective AHUs



SUGGESTED COMPARISON FOR DUCT MANUFACTURING BY (PE) PHARMA ENGINEERS				
ANGLE FRAMES FOR 2" WG STATIC & 4' (1200 SPACING)				
DUCT SIZE	SMACNA	DW/144	IS 655 : 2006	PE
UPTO 450	C-26	E-24	E-26	E-26
451-600	D-26	E-22	E-24	E-24
601-750	E-26	E-22	E-24	E-24
751-1050	F-24	G-22	F-22	G-22
1051-1250	G-22	F-20	F-22	G-22
1251-1500	H-20	F-20	F-22	G-22
1501-2250	J-18		G-20	H-20
ANGLE FRAMES FOR 2" WG STATIC & 8' (2400 SPACING)				
DUCT SIZE	SMACNA	DW/144	IS 655 : 2006	PE
UPTO 450	C-24	C-24	E-26	E-24
451-600	E-22	E-22	E-24	E-24
601-750	E-20	E-22 (Stiffner 4')	E-24	E-24
751-1200	G-18	G-22 (Stiffner 4')	F-22	G-22
ANGLE FRAMES FOR 3" WG STATIC & 4' (1200 SPACING)				
DUCT SIZE	SMACNA	DW/144	IS 655 : 2006	PE
UPTO 450	C-26	E-24	E-22	E-26
451-600	E-24	E-22	E-20	E-24
601-750	E-24	E-22	E-20	E-24
751-1050	G-22	E-22	F-18	G-22
1051-1250	H-20	F-20	F-18	H-22
1251-1500	I-18	NOT SPECIFIED		I-18
1501-2250	I-18	NOT SPECIFIED		I-18
ANGLE FRAME LEGEND				
C	25X25X2	G	40X40X3	
D	20X20X3	H	40X40X5	
E	25X25X3	I/J	50X50X6	
F	30X30X3			



PHARMA ENGINEERS[®]
people in strength

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