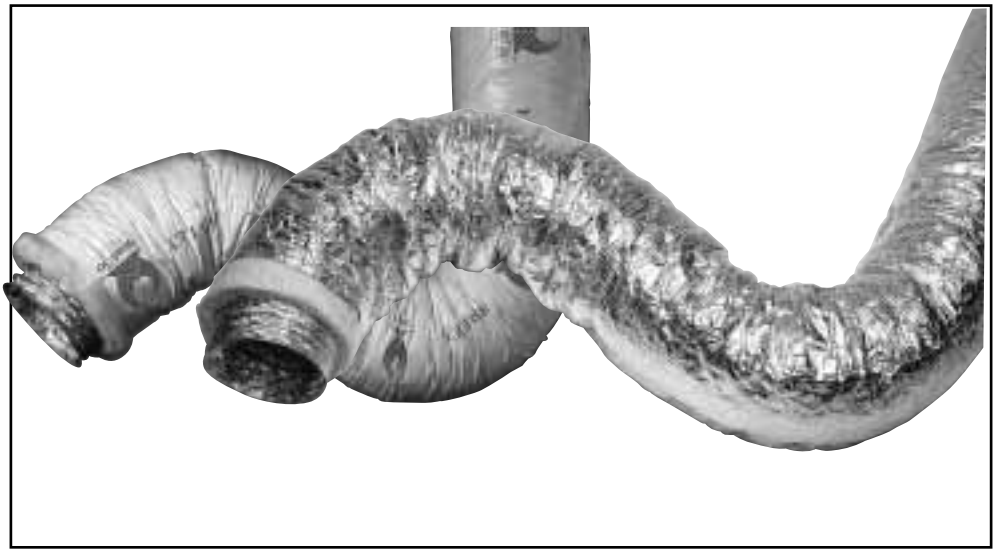
FABRIFLEX R1.0 DUCT

5.10
AF



Description
Fabriflex ducting is made from aluminised fabric with an external metal helix formed to clamp the edges of the fabric in a mechanical lock. No adhesives are used. The metal helix gives the duct strength durability and scuff resistance.
The duct is insulated with a glasswool blanket (R value of 1.0 m^2W/K) which is protected by a outer vapour-barrier sleeve. The duct assembly is lightweight, easy to handle and extremely flexible, Fabriflex ducting can be compressed to less than a quarter of its normal extended length.
The duct is suitable for both high and low pressure heating ventilation and air conditioning systems.

Ordering Procedure
Using the chart below, select your requirements and substitute the underscored text below.
AF..**L**..**R**..**40**..**D**..**A**

Example: If your requirement is for a 8" (203mm) dia. plain core duct, 6m long, non fire rated, the ordering code would be: **AF..6..S..40..08..P** (When ordering it is not necessary to include the periods (..)).

Type	**Length (m) "L"**		**Fire Rating "R"**		**Diameter (inch) "D"**	**Noise Attenuation "A"**	
	3m	6m	Standard	Fire Rated	Inch (mm)	Acoustic	Plain
AF	3	6	S	F	06 (152)	A	P
"	3	6	S	F	08 (203)	A	P
"	3	6	S	F	10 (254)	A	P
"	3	6	S	F	12 (304)	A	P
"	3	6	S	F	14 (355)	A	P
"	3	6	S	F	16 (406)	A	P
"	3	6	S	F	18 (457)	A	P
"	3	6	S	F	20 (508)	A	P
"	3	6	S	F	22 (558)	A	P
"	3	-	S	F	24 (609)	A	P

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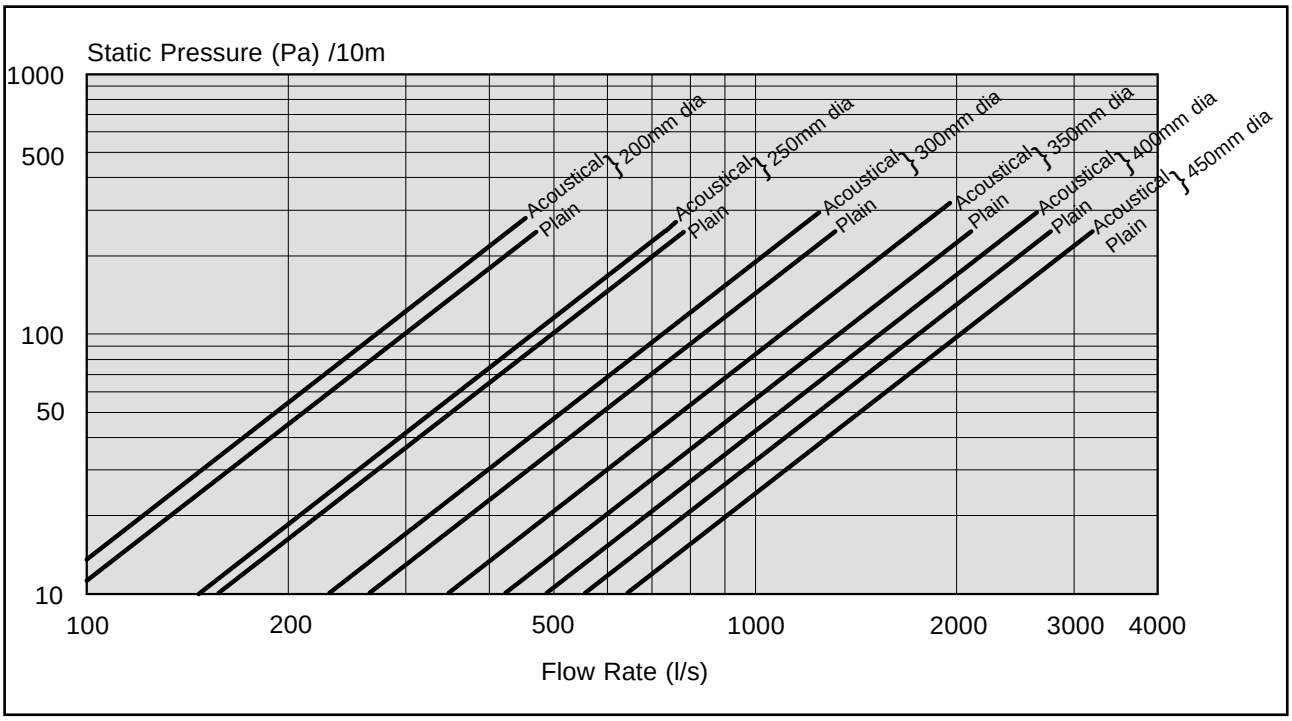
Performance



These graphs are for selection only and should not be used for commissioning.

Ratings

Maximum air Velocity
30 m/s plain core
15 m/s acoustic core

Airflow temperature
range -20^{0}C to 80^{0}C

Maximum working pressure/ vacuum
Refer to graph in this section.

Acoustic properties

Fabriflex duct has sound attenuation properties. The sound attenuation graph below is based on the NATA Report No. 413-82. The testing was in accordance with BS4718/1971 methods of test for silencers for air distribution systems, Section 2.3 diffuse field method, and Air Diffusion Council Test Code - FD 72.

Care should be taken in estimation the attenuation from ducts of different lengths. Results are not linear. The graph shows results of tests on 3 metre lengths.

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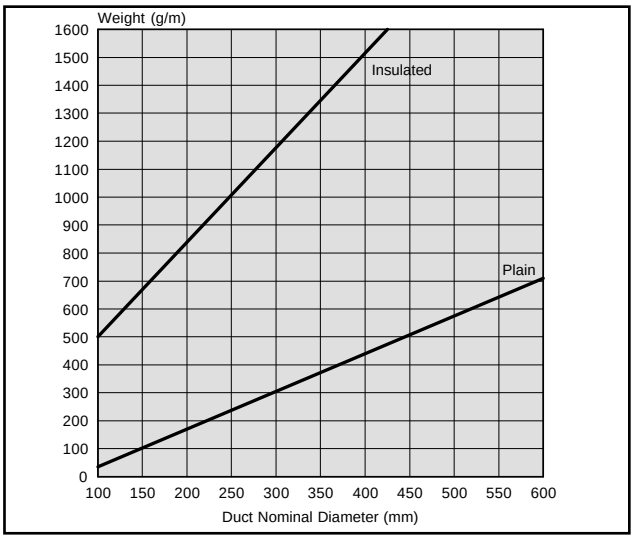
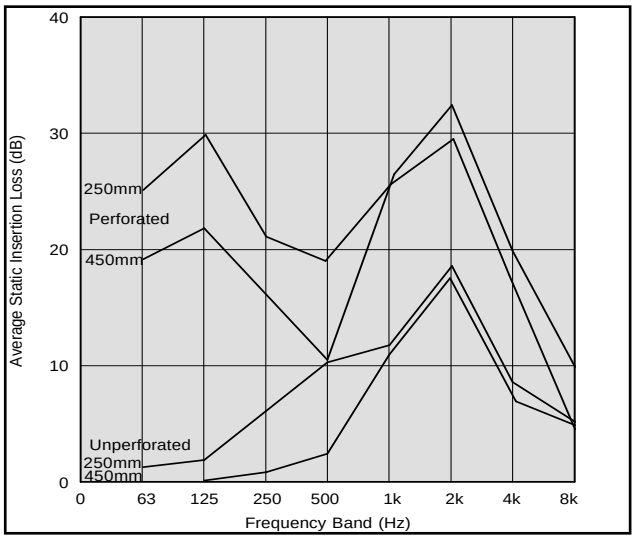
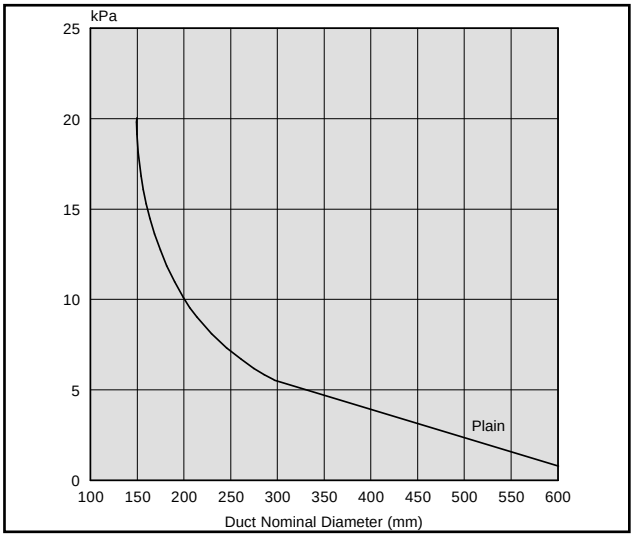




Maximum recommended working pressures



Maximum recommended working vacuum