

Flexible Ducting

by Express-air

Thermally insulated - Type EATHEFD

Description: Fully flexible, high quality, insulated aluminium laminated duct for use in commercial HVAC systems. Easy & Fast installation over round or oval connections. Tough and airtight with a smooth core for low friction loss and lower operation costs.

Construction: Outer vapour barrier is 3 x layers of tough "aluminium / polyester laminates" plus flame retardant adhesive and spiral fibreglass reinforcement. The inner core has 5 x layers of tough aluminium / polyester laminates plus flame retardant adhesive encapsulating a copper plated high tensile steel wire helix.



Order Ref	Standard Length	Airflow m³/s @ Velocity m/s			Order Ref	Standard Length	Airflow m³/s @ Velocity m/s		
		5m/s	10m/s	20m/s			5m/s	10m/s	20m/s
EATHEFD100	10m	0,039	0,079	0,157	EATHEFD250	10m	0,245	0,491	0,982
EATHEFD125	10m	0,061	0,123	0,245	EATHEFD300	10m	0,353	0,707	1,414
EATHEFD150	10m	0,088	0,177	0,353	EATHEFD315	10m	0,390	0,779	1,559
EATHEFD160	10m	0,101	0,201	0,402	EATHEFD350	10m	0,481	0,962	1,924
EATHEFD180	10m	0,127	0,255	0,509	EATHEFD400	10m	0,628	1,257	2,513
EATHEFD200	10m	0,157	0,314	0,628	EATHEFD450	10m	0,795	1,590	3,180
EATHEFD225	10m	0,199	0,398	0,795	EATHEFD500	10m	0,982	1,964	3,928

Acoustic / Thermal - Type EAACOFD

Description: Fully flexible, high quality, insulated aluminium laminated duct for use in commercial HVAC systems. Easy & Fast installation over round or oval connections. Tough and airtight with a smooth core for low friction loss and lower operation costs.

Construction: Outer vapour barrier is 3 x layers of tough "aluminium / polyester laminates" plus flame retardant adhesive and spiral fibreglass reinforcement. The inner core has 5 x layers of tough aluminium / polyester laminates plus flame retardant adhesive encapsulating a copper plated high tensile steel wire helix.



Order Ref	Standard Length	Airflow m³/s @ Velocity m/s			Order Ref	Standard Length	Airflow m³/s @ Velocity m/s		
		5m/s	10m/s	20m/s			5m/s	10m/s	20m/s
EAACOFD100	10m	0,039	0,079	0,157	EAACOFD250	10m	0,245	0,491	0,982
EAACOFD125	10m	0,061	0,123	0,245	EAACOFD300	10m	0,353	0,707	1,414
EAACOFD150	10m	0,088	0,177	0,353	EAACOFD315	10m	0,390	0,779	1,559
EAACOFD160	10m	0,101	0,201	0,402	EAACOFD350	10m	0,481	0,962	1,924
EAACOFD180	10m	0,127	0,255	0,509	EAACOFD400	10m	0,628	1,257	2,513
EAACOFD200	10m	0,157	0,314	0,628	EAACOFD450	10m	0,795	1,590	3,180
EAACOFD225	10m	0,199	0,398	0,795	EAACOFD500	10m	0,982	1,964	3,928

Flex Code	Flex Type	Fire safety Testing	Temperature Range	Working pressure	
				100mm - 250mm	300mm - 500mm
EALIFD	Aluminium	BS476 (6,7&20)	-30°C to +140°C	+2.5Kpa to -0.3Kpa	+2.5Kpa to -0.1Kpa
EAPVCFD	Grey	BS476 (6,7&20)	-30°C to +140°C	+2.5Kpa to -0.4Kpa	+2.5Kpa to -0.2Kpa
EATHEFD	Thermal	BS476 (6,7&20)	-30°C to +140°C	+2.5Kpa to -0.4Kpa	+2.5Kpa to -0.2Kpa
EAACOFD	Acoustic	BS476 (6,7&20)	-30°C to +140°C	+2.5Kpa to -0.4Kpa	+2.5Kpa to -0.2Kpa
EASEMFD	Semirigid	BS476 (6,7&20)	-30°C to +250°C	+3.5Kpa to -2.5Kpa	+3.5Kpa to -1.5Kpa

Flex Code	Flex Type	Diameter Class	Air tightness Class	Max air vel m/s	Crushing strength	
					Compressed	Uncompressed
EALIFD	Aluminium	B	C	30	33-10 kg	3-5 kg
EAPVCFD	Grey	B	C	30	18-10 kg	1-3 kg
EATHEFD	Thermal	B	C	25	33-10 kg	3-5 kg
EAACOFD	Acoustic	B	C	30	33-10 kg	3-5 kg
EASEMFD	Semi-rigid	A	C	30	100-15 kg	60-10 kg