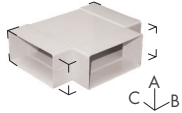
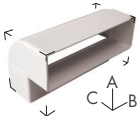


### Horizontal T. F to F to F



Stock Ref	Duct Size	External Dimensions (mm)			Resistance (Pa) at flow rate							
		A	B	C	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
<b>406883</b>	Insulated 204 x 60*	160	410	355	vary on installation							
<b>436551</b>	Uninsulated 204 x 60	65	310	255	vary on installation							
<b>436614</b>	Uninsulated 110 x 54	60	185	150	vary on installation							
Stock Ref	Duct Size	A	B	C	60 l/s		120 l/s			180 l/s		
<b>449365</b>	Uninsulated 220 x 90	95	275	250			vary on installation					

### Vertical 90° Bend. F to F



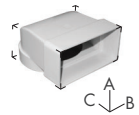
Stock Ref	Duct Size	External Dimensions (mm)			Resistance (Pa) at flow rate							
		A	B	C	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
<b>406872</b>	Insulated 204 x 60*	215	310	215	1.1	2.5	5.2	9.8	16.1	24	33.6	45
<b>436621</b>	Uninsulated 204 x 60	115	210	115	1.1	2.5	5.2	9.8	16.1	24	33.6	45
<b>436603</b>	Uninsulated 110 x 54	95	115	95	3.3	15.5	36	61	96	138	190	253
Stock Ref	Duct Size	A	B	C	60 l/s		120 l/s			180 l/s		
<b>403029</b>	Uninsulated 220 x 90	117	224	120	7		28			66		

### Vertical 45° Bend. F to F



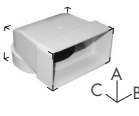
Stock Ref	Duct Size	External Dimensions (mm)			Resistance (Pa) at flow rate							
		A	B	C	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
<b>406871</b>	Insulated 204 x 60*	200	310	215	0.1	0.5	1.3	2.5	4.4	6.9	10	13.3
<b>445196</b>	Uninsulated 204 x 60	100	210	115	0.1	0.5	1.3	2.5	4.4	6.9	10	13.3
<b>441655</b>	Uninsulated 110 x 54	115	115	70	1	2.4	6.6	12.9	23.1	35.1	48	64
Stock Ref	Duct Size	A	B	C	60 l/s		120 l/s			180 l/s		
<b>449364</b>	Uninsulated 220 x 90	110	225	115	6		27			65		

### Elbow Bend. 100mm to Rectangular. M to F



Stock Ref	Duct Size	External Dimensions (mm)			Resistance (Pa) at flow rate							
		A	B	C	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
<b>436624</b>	204 x 60	80	215	195	2.9	7.1	15.1	28	45.1	68.1	92.2	118
<b>436607</b>	110 x 54	90	115	140	3	8	17.7	33	49.9	74.5	101	137
Stock Ref	Duct Size	A	B	C	60 l/s		120 l/s			180 l/s		
<b>403027</b>	220 x 90	118	226	240	N/A		N/A			N/A		

### Elbow Bend. 125mm to Rectangular. M to F



Stock Ref	Duct Size	External Dimensions (mm)			Resistance (Pa) at flow rate							
		A	B	C	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
<b>436625</b>	204 x 60	80	215	195	3.1	5.9	12.2	25	43.6	62.2	86	111
Stock Ref	Duct Size	A	B	C	60 l/s		120 l/s			180 l/s		
<b>449361</b>	220 x 90	118	226	240	N/A		N/A			N/A		

\*Minimum insulation wall thickness 25mm. Insulation Thermal Conductivity: 0.04 W/(m.K)