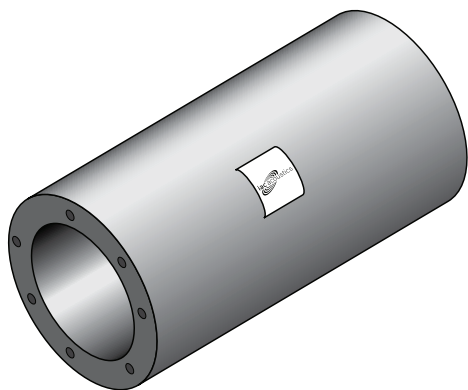


# Un-Podded Conic Flow® Silencer Type: C



**Supplied as Standard**

- Perforated galvanised steel facings to all splitter elements to protect acoustic media from damage and erosion

**Designating Silencers: Example**

Model: 160-C2-900

Pipe Diameter	Type	Length
160mm	C2	900mm

## Static Insertion Loss (DIL) C2 Model - 50mm Insulation

Nominal Diameter (mm)	Internal Diameter (mm)	Outside Diameter (mm)	Length (mm)	Octave Band	1	2	3	4	5	6	7	8
				Hz	63	125	250	500	1K	2K	4K	8K
					Static Insertion Loss, dB							
80	79	180	300		4	6	11	13	29	35	33	18
80	79	180	600		4	8	15	27	45	50	50	28
80	79	180	900		5	10	19	35	50	50	50	34
80	79	180	1200		5	12	22	42	50	50	50	40
100	99	200	300		3	5	8	14	19	24	30	18
100	99	200	600		4	7	12	26	34	45	50	29
100	99	200	900		4	9	16	34	45	50	50	34
100	99	200	1200		6	12	22	41	50	50	50	41
125	124	225	300		3	4	6	12	16	20	20	14
125	124	225	600		4	5	11	20	30	36	38	23
125	124	225	900		4	7	14	28	42	45	44	26
125	124	225	1200		4	9	17	35	47	50	60	30
160	159	260	300		2	3	5	10	11	16	16	11
160	159	260	600		3	4	7	18	26	34	30	15
160	159	260	900		4	5	10	27	36	45	38	19
160	159	260	1200		5	6	13	34	43	50	46	23
200	199	300	300		2	3	4	8	10	14	13	10
200	199	300	600		3	4	7	14	16	18	15	14
200	199	300	900		4	4	9	18	22	23	17	16
200	199	300	1200		4	5	10	20	28	27	20	18
250	249	350	300		2	3	4	9	15	12	11	10
250	249	350	600		2	3	6	13	19	17	15	14
250	249	350	900		3	4	8	15	22	21	17	16
250	249	350	1200		3	5	10	17	25	24	20	19
315	314	415	600		1	2	6	11	15	13	10	8
315	314	415	900		2	4	9	17	20	16	12	11
315	314	415	1200		2	4	11	24	25	19	14	13
400	399	500	600		1	3	4	7	11	10	8	8
400	399	500	900		2	4	8	12	14	13	11	10
400	399	500	1200		3	5	10	17	17	16	13	12

### Static Insertion Loss (DIL) C4 Model - 100mm Insulation

Nominal Diameter (mm)	Internal Diameter (mm)	Outside Diameter (mm)	Length (mm)	Octave Band	1	2	3	4	5	6	7	8
				Hz	63	125	250	500	1K	2K	4K	8K
					Static Insertion Loss, dB							
80	79	280	600		8	13	18	27	46	50	50	28
80	79	280	900		10	16	28	37	50	50	50	34
80	79	280	1200		12	19	31	48	50	50	50	42
100	99	300	300		6	9	11	14	18	23	30	18
100	99	300	600		8	13	17	26	35	46	50	29
100	99	300	900		10	16	27	36	45	50	50	33
100	99	300	1200		11	19	30	48	50	50	50	42
125	124	325	300		5	7	9	11	14	19	20	15
125	124	325	600		7	9	17	21	29	35	39	22
125	124	325	900		9	12	24	32	41	46	44	26
125	124	325	1200		10	15	29	40	50	50	50	30
160	159	360	300		4	5	10	10	12	16	15	11
160	159	360	600		6	8	16	18	26	32	29	15
160	159	360	900		7	11	22	27	36	45	37	19
160	159	360	1200		8	14	28	33	43	50	46	23
200	199	400	300		3	5	8	10	19	14	13	10
200	199	400	600		4	7	12	18	27	24	15	14
200	199	400	900		5	11	17	27	33	32	18	16
200	199	400	1200		6	14	23	31	39	38	21	19
250	249	450	300		3	5	7	10	16	14	12	10
250	249	450	600		4	6	11	18	23	19	16	15
250	249	450	900		5	9	16	25	30	24	18	17
250	249	450	1200		5	12	20	30	36	30	21	19
315	314	515	600		2	4	10	14	17	10	9	8
315	314	515	900		3	7	13	24	28	15	12	11
315	314	515	1200		5	10	16	30	34	19	14	13
400	399	600	600		2	3	6	11	13	10	8	8
400	399	600	900		3	5	11	19	20	15	9	10
400	399	600	1200		3	6	14	24	27	19	12	12
500	499	700	900		2	4	6	9	11	10	8	8
500	499	700	1200		3	6	9	12	13	12	10	10
630	629	830	900		1	3	5	8	10	7	5	4
630	629	830	1200		2	3	6	12	13	10	7	6
800	799	1000	900		1	1	3	7	8	8	5	4
800	799	1000	1200		1	2	5	10	11	10	7	6

Conic-Flow® Tubular C Silencer

#### Note

- The pressure drop through an Un-Podded silencer is negligible
- Self-Noise produced by and Un-Podded silencer is negligible