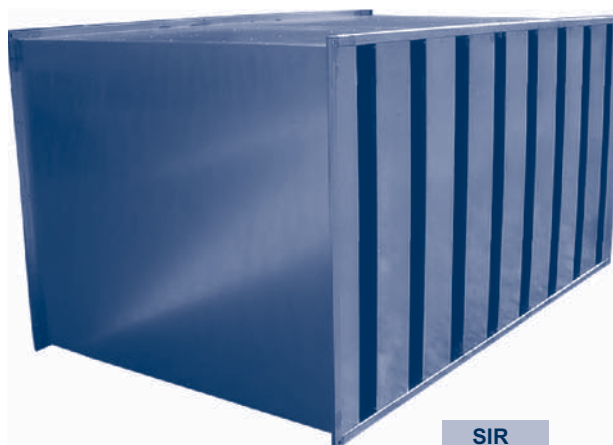


ACÚSTICA

SILENCIADORES

ACÚSTICA



**UTILIZACIÓN**

Elemento pasivo imprescindible para el tratamiento acústico de los sistemas de ventilación/ climatización. Sus funciones principales son atenuar el ruido producido por los diferentes equipos y permitir el flujo de aire entrada/ salida necesaria para el funcionamiento de los mismos.

**DESCRIPCIÓN**

**SIR**

- Carcasa envolvente de 1.5mm de espesor de chapa de acero galvanizado, con bridas de conexión perimetral para unión a conducto de 33mm.
- Baffles: bastidores conformados en chapa de acero galvanizado. Disposición multicapa de lana de roca de diferentes densidades hasta completar un grosor nominal de 200mm. Dichas capas se estratifican en función del rendimiento del material a altas y bajas frecuencias. La cara externa está dotada de velo negro antidesprendimiento de partículas. En los extremos laterales se insertan baffles de grosor 100mm, de esta forma se homogeneiza el rendimiento acústico en toda la sección de paso.
- Pasos de aire: se establece una separación entre baffles que varía en función de la aplicación, pudiendo ir desde 50 a 200mm. El módulo resultante de esta combinación Baffle/Paso se denomina por la suma de ambos, por ejemplo el modelo SIR.M300 corresponde a una relación 200/100. En líneas generales, cuanto mayor es esta relación, mayor será la atenuación

**NOMENCLATURA DE ESPECIFICACIÓN - SPECIFICATION NOMENCLATURE - NOMENCLATURE DE SPÉCIFICATION**

**SILENCIADOR RECTANGULAR SIR**

SIR M.250  
SIR M275  
SIR M300  
SIR M350  
SIR M400

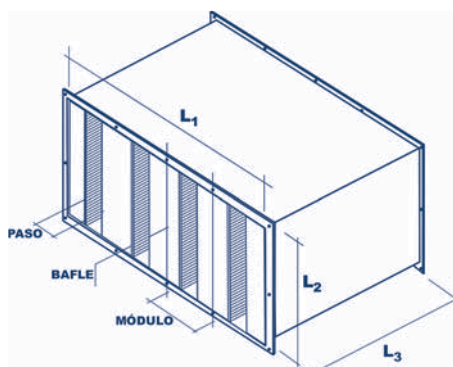
**MODELO**

**TAMAÑO**

Ejemplo:  
Rectangular

SIR.M300

600 X 900 X 1200



ACÚSTICA

SILENCIADORES

ACÚSTICA

## RENDIMIENTO ACÚSTICO

Tabla de selección en función del Módulo (SIR.M250...400)

L3 (mm)	Atenuación por aislamiento en función de la frecuencia (Hz)						Selección por aproximación al valor medio de atenuación R250 (dB)
	125	250	500	1K	2K	4K	dB
<b>SIRM250</b>							
600	11	22	29	35	33	27	22
900	15	30	41	49	49	43	30
1200	21	39	49	49	50	50	39
1500	25	46	49	50	50	50	46
1800	27	50	50	50	50	50	50
2400	35	51	50	50	50	50	51
<b>SIRM275</b>							
600	10	16	23	27	28	21	16
900	12	25	33	43	43	36	25
1200	16	33	46	49	50	50	33
1500	20	41	48	49	50	50	41
1800	22	49	49	50	50	50	49
2400	31	52	50	50	50	50	52
<b>SIRM300</b>							
600	8	14	18	23	23	16	14
900	11	20	35	38	40	30	20
1200	14	26	38	45	45	35	26
1500	17	32	47	50	50	44	32
1800	20	38	50	50	50	49	38
2400	24	42	50	50	50	50	42
<b>SIRM350</b>							
600	6	8	15	19	17	10	8
900	6	13	23	29	25	15	13
1200	12	19	32	37	34	22	19
1500	14	24	39	45	45	26	24
1800	15	27	45	47	47	34	27
2400	21	43	49	50	50	50	43
<b>SIRM400</b>							
600	3	7	13	16	12	7	7
900	5	9	20	25	18	11	9
1200	7	14	25	32	24	15	14
1500	9	19	35	39	30	16	19
1800	12	23	39	45	37	22	23
2400	18	26	43	50	50	43	26

Valores extrapolados tras ensayo bajo Norma UNE.74040.  
Aislamiento a Ruido Aéreo.

## RENDIMIENTO ACÚSTICO

Tabla de selección en función del Módulo (SIR.M250...400)

L3 (mm)	Atenuación IL (dB) en función de la frecuencia (Hz)								IL (db (A)) para ruido	
	63	125	250	500	1K	2K	4K	8K	BLANCO	ROSA
<b>SIRM250</b>										
600	2	8	14	25	36	46	38	26	29	25
900	4	8	23	36	48	52	41	33	35	29
1200	5	10	29	45	55	57	47	39	41	32
1500	6	12	34	54	62	62	53	45	45	33
1800	7	14	39	60	64	64	55	49	48	35
2400	9	17	45	63	67	67	58	52	51	38
3000	11	20	50	65	69	69	60	54	53	41
<b>SIRM275</b>										
600	2	6	12	21	29	36	28	18	21	21
900	3	7	19	29	40	46	35	24	27	26
1200	4	8	25	37	48	53	41	28	31	29
1500	5	10	30	45	56	61	47	32	35	31
1800	5	12	35	51	60	63	51	35	38	33
2400	7	16	41	55	64	66	55	38	41	36
3000	8	19	47	59	66	67	58	40	43	38
<b>SIRM300</b>										
600	1	5	10	17	23	28	21	11	14	17
900	2	6	16	23	32	41	29	15	19	21
1200	2	7	21	30	41	50	35	17	21	23
1500	3	9	26	42	50	61	41	19	23	25
1800	4	11	31	49	57	63	47	21	25	27
2400	5	15	38	49	62	65	52	24	28	30
3000	6	18	44	54	64	66	56	27	31	33
<b>SIRM350</b>										
600	1	3	8	13	18	20	11	7	10	12
900	1	5	12	18	25	28	14	8	11	14
1200	1	7	16	23	32	36	17	10	13	16
1500	2	8	20	28	39	44	21	12	15	19
1800	2	9	23	32	45	51	24	13	17	20
2400	3	11	28	38	50	56	28	15	19	22
3000	4	14	33	44	54	60	32	18	22	25
<b>SIRM400</b>										
600	0	3	7	11	18	15	8	5	7	9
900	1	5	10	14	22	19	10	7	9	12
1200	2	6	13	18	28	24	12	8	11	13
1500	2	7	16	22	33	29	14	8	11	14
1800	3	9	19	26	37	35	16	9	12	16
2400	4	11	25	32	43	43	19	11	14	18
3000	6	13	29	37	48	49	22	13	16	20

IL. Pérdidas de inserción. Parámetro resultante de los ensayos homologados bajo Norma UNE-EN ISO 11.691:1995  
(Ensayos realizados en LGA1.03/00.Expediente 20.006.273)

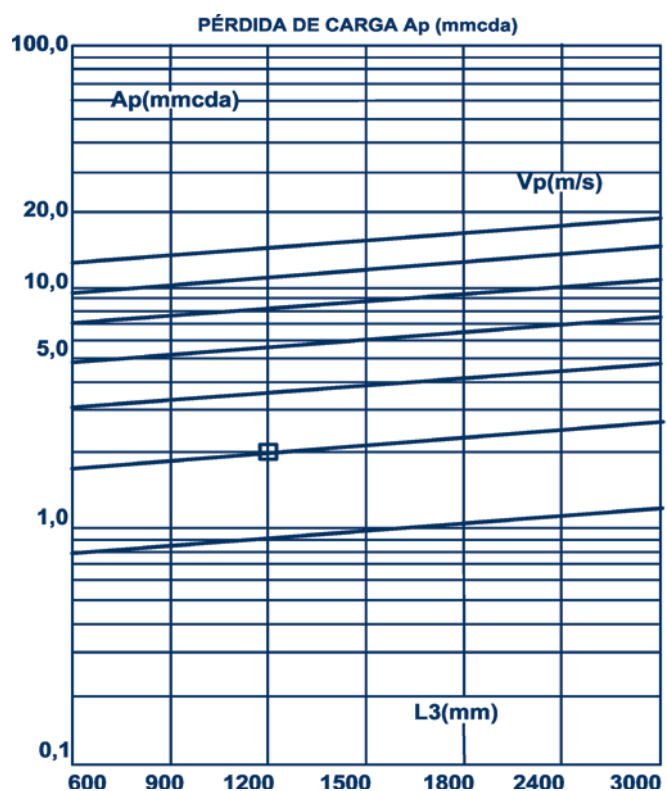
**TABLA Y GRÁFICO DE SELECCIÓN ; SIR.M250**

SIR.M250		Tabla de selección en función del caudal Q (m³/h) y la velocidad de paso Vp (m/s)									
Vp (mm)	L2 (mm)	Frente L1 (mm)									
		250	500	750	1000	1250	1500	1750	2000	2250	2500
4	600	432	864	1.296	1.728	2.160	2.592	3.024	3.456	3.888	4.320
	900	648	1.296	1.944	2.592	3.240	3.888	4.536	5.184	5.832	6.480
	1200	864	1.728	2.592	3.456	4.320	5.184	6.048	6.912	7.776	8.640
	1500	1.080	2.160	3.240	4.320	5.400	6.480	7.560	8.640	9.720	10.800
	1800	1.296	2.592	3.888	5.184	6.480	7.776	9.072	10.368	11.664	12.960
	2400	1.728	3.456	5.184	6.912	8.640	10.368	12.096	13.824	15.552	17.280
	3000	2.160	4.320	6.480	8.640	10.800	12.960	15.120	17.280	19.440	21.600
6	600	648	1.296	1.944	2.592	3.240	3.888	4.536	5.184	5.832	6.480
	900	972	1.944	2.916	3.888	4.860	5.832	6.804	7.776	8.748	9.720
	1200	1.296	2.592	3.888	5.184	6.480	7.776	9.072	10.368	11.664	12.960
	1500	1.620	3.240	4.860	6.480	8.100	9.720	11.340	12.960	14.580	16.200
	1800	1.944	3.888	5.832	7.776	9.720	11.664	13.608	15.552	17.496	19.440
	2400	2.592	5.184	7.776	10.368	12.960	15.552	18.144	20.736	23.328	25.920
	3000	3.240	6.480	9.720	12.960	16.200	19.440	22.680	25.920	29.160	32.400
8	600	846	1.728	2.592	3.456	4.320	5.184	6.048	6.912	7.776	8.640
	900	1.296	2.592	3.888	5.184	6.480	7.776	9.072	10.368	11.664	12.960
	1200	1.728	3.456	5.184	6.912	8.640	10.368	12.096	13.824	15.552	17.280
	1500	2.160	4.320	6.480	8.640	10.800	12.960	15.120	17.280	19.440	21.600
	1800	2.592	5.184	7.776	10.368	12.960	15.552	18.144	20.736	23.328	25.920
	2400	3.456	6.912	10.368	13.824	17.280	20.736	24.192	27.648	31.104	34.560
	3000	4.320	8.640	12.960	17.280	21.600	25.920	30.240	34.560	38.880	43.200
10	600	1.080	2.160	3.240	4.320	5.400	6.480	7.560	8.640	9.720	10.800
	900	1.620	3.240	4.860	6.480	8.100	9.720	11.340	12.960	14.580	16.200
	1200	2.160	4.320	6.480	8.640	10.800	12.960	15.120	17.280	19.440	21.600
	1500	2.700	5.400	8.100	10.800	13.500	16.200	18.900	21.600	24.300	27.000
	1800	3.240	6.480	9.720	12.960	16.200	19.440	22.680	25.920	29.160	32.400
	2400	4.320	8.640	12.960	17.280	21.600	25.920	30.240	34.560	38.880	43.200
	3000	5.400	10.800	16.200	21.600	27.000	32.400	37.800	43.200	48.600	54.000
12	600	1.296	2.592	3.888	5.184	6.480	7.776	9.072	10.368	11.664	12.960
	900	1.944	3.888	5.832	7.776	9.720	11.664	13.608	15.552	17.496	19.440
	1200	2.592	5.184	7.776	10.368	12.960	15.552	18.144	20.736	23.328	25.920
	1500	3.240	6.480	9.720	12.960	16.200	19.440	22.680	25.920	29.160	32.400
	1800	3.888	7.776	11.664	15.552	19.440	23.328	27.216	31.104	34.992	38.880
	2400	5.184	10.368	15.552	20.736	25.920	31.104	36.288	41.472	46.656	51.840
	3000	6.480	12.960	19.440	25.920	32.400	38.880	45.360	51.840	58.320	64.800
14	600	1.512	3.024	4.536	6.048	7.560	9.072	10.584	12.096	13.608	15.120
	900	2.268	4.536	6.804	9.072	11.340	13.608	15.876	18.144	20.412	22.680
	1200	3.024	6.048	9.072	12.096	15.120	18.144	21.168	24.192	27.216	30.240
	1500	3.780	7.560	11.340	15.120	18.900	22.680	26.460	30.240	34.020	37.800
	1800	4.536	9.072	13.608	18.144	22.680	27.216	31.752	36.288	40.824	45.360
	2400	6.048	12.096	18.144	24.192	30.240	36.288	42.336	48.384	54.432	60.480
	3000	7.560	15.120	22.680	30.240	37.800	45.360	52.920	60.480	68.040	75.600

ACÚSTICA

SILENCIADORES

ACÚSTICA



Nº Módulos		1	2	3	4	5	6	7
Módulo 250		Frente L1						
Largo L3	Alto L2	250	500	750	1000	1250	1500	1750
600	600							
	800							
	900							
	1200							
	1500							
900	600							
	800							
	900							
	1200							
	1500							
1200	600							
	800							
	900							
	1200							
	1500							
1500	600							
	800							
	900							
	1200							
	1500							
1800	600							
	800							
	900							
	1200							
	1500							

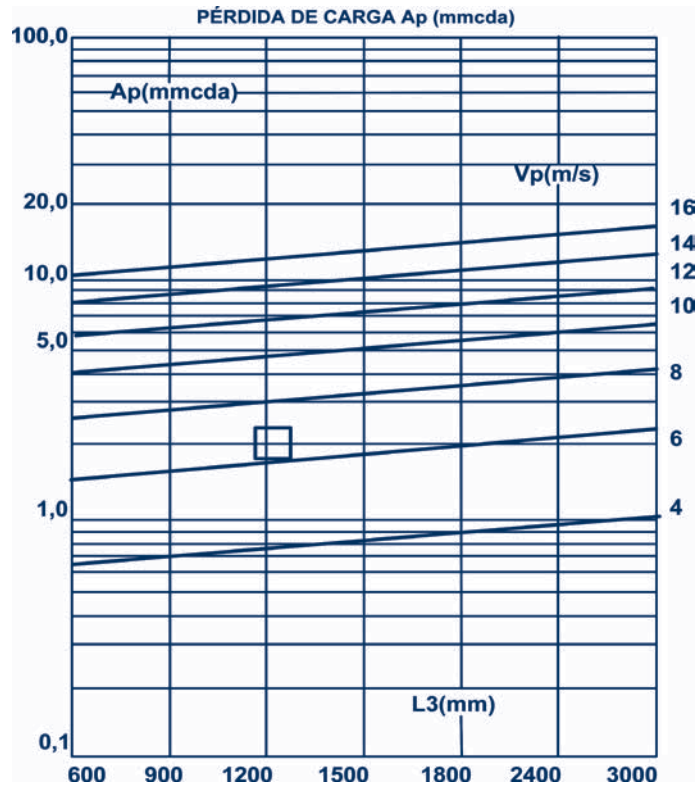
TABLA Y GRÁFICO DE SELECCIÓN ; SIR.M275

SIR.M275		Tabla de selección en función del caudal Q (m³/h) y la velocidad de paso Vp (m/s)									
Vp (mm)	L2 (mm)	Frente L1 (mm)									
		275	550	825	1100	1375	1650	1925	2200	2475	2750
4	600	648	1.296	1.944	2.592	3.240	3.888	4.536	5.184	5.832	6.480
	900	972	1.944	2.916	3.888	4.860	5.832	6.048	7.776	8.748	9.720
	1200	1296	2.592	3.888	5.184	6.480	7.776	9.072	10.368	11.664	12.960
	1500	1.620	3.240	4.860	6.480	8.100	9.720	11.340	12.960	14.580	16.200
	1800	1.944	3.888	5.832	7.776	9.720	11.664	13.608	15.552	17.496	19.440
	2400	2.592	5.184	7.776	10.368	12.960	15.552	18.144	20.736	23.328	25.920
	3000	3.240	6.480	9.720	12.960	16.200	19.440	22.680	25.920	29.160	32.400
6	600	972	1.944	2.916	3.888	4.860	5.832	6.048	7.776	8.748	9.720
	900	1.458	2.916	4.374	5.832	7.290	8.748	10.206	11.664	13.122	14.580
	1200	1.944	3.888	5.832	7.776	9.270	11.664	13.608	15.552	17.496	19.440
	1500	2.430	4.860	7.290	9.720	12.150	14.580	17.010	19.440	21.870	24.300
	1800	2.916	5.832	8.748	11.664	14.580	17.496	20.412	23.328	26.244	29.160
	2400	3.888	7.776	11.664	15.552	19.440	23.328	27.216	31.104	34.992	38.880
	3000	4.860	9.720	14.580	19.440	24.300	29.160	34.020	38.880	43.740	48.600
8	600	1.296	2.592	3.888	5.184	6.480	7.776	9.072	10.368	11.664	12.960
	900	1.944	3.888	5.832	7.776	9.720	11.664	13.608	15.552	17.496	19.440
	1200	2.592	5.184	7.776	10.368	12.960	15.552	18.144	20.736	23.328	25.920
	1500	3.240	6.480	9.720	12.960	16.200	19.440	22.680	25.920	29.160	32.400
	1800	3.888	7.776	11.664	15.552	19.440	23.328	27.216	31.104	34.992	38.880
	2400	5.184	10.368	15.552	20.736	25.920	31.104	36.288	41.472	46.656	51.840
	3000	6.480	12.960	19.440	25.920	32.400	38.880	45.360	51.840	58.320	64.800
10	600	1.620	3.240	4.860	6.480	8.100	9.720	11.340	12.960	14.580	16.200
	900	2.430	4.860	7.290	9.720	12.150	14.580	17.010	19.440	21.870	24.300
	1200	3.240	6.480	9.720	12.960	16.200	19.440	22.680	25.920	29.160	32.400
	1500	4.050	8.100	12.150	16.200	20.250	24.300	28.350	32.400	36.450	40.500
	1800	4.860	9.720	14.580	19.440	24.300	29.160	34.020	38.880	43.740	48.600
	2400	6.480	12.960	19.440	25.920	32.400	38.880	45.360	51.840	58.320	64.800
	3000	8.100	16.200	24.300	32.400	40.500	48.600	56.700	64.800	72.900	81.000
12	600	1.944	3.888	5.832	7.776	9.720	11.664	13.608	15.552	17.496	19.440
	900	2.916	5.832	8.748	11.664	14.580	17.496	20.412	23.328	26.244	29.160
	1200	3.888	7.776	11.664	15.552	19.440	23.328	27.216	31.104	34.992	38.880
	1500	4.860	9.720	14.580	19.440	24.300	29.160	34.020	38.880	43.740	48.600
	1800	5.832	11.664	17.496	23.328	29.160	34.992	40.824	46.656	52.488	58.320
	2400	7.776	15.552	23.328	31.104	38.880	46.656	54.432	62.208	69.984	77.760
	3000	9.720	19.440	29.160	38.880	48.600	58.320	68.040	77.760	87.480	97.200
14	600	2.268	4.536	6.804	9.072	11.340	13.608	15.876	18.144	20.412	22.680
	900	3.402	6.804	10.206	13.608	17.010	20.412	23.814	27.216	30.618	34.020
	1200	4.536	9.072	13.608	18.144	22.680	27.216	31.752	36.288	40.824	45.360
	1500	5.760	11.340	17.010	22.680	28.350	34.020	39.690	45.360	51.030	56.700
	1800	6.804	13.608	20.412	27.216	34.020	40.824	47.628	54.432	61.236	68.040
	2400	9.072	18.144	27.216	36.288	45.360	54.432	63.504	72.576	81.648	90.720
	3000	11.340	22.680	34.020	45.360	56.700	68.040	79.380	90.720	102.060	113.400

ACÚSTICA

SILENCIADORES

ACÚSTICA



Nº Módulos		1	2	3	4	5	6	7
Módulo 275		Frente L1						
Largo L3	Alto L2	275	550	825	1100	1375	1650	1925
600	600							
	800							
	900							
	1200							
	1500							
	1800							
900	600							
	800							
	900							
	1200							
	1500							
	1800							
1200	600							
	800							
	900							
	1200							
	1500							
	1800							
1500	600							
	800							
	900							
	1200							
	1500							
	1800							
1800	600							
	800							
	900							
	1200							
	1500							
	1800							

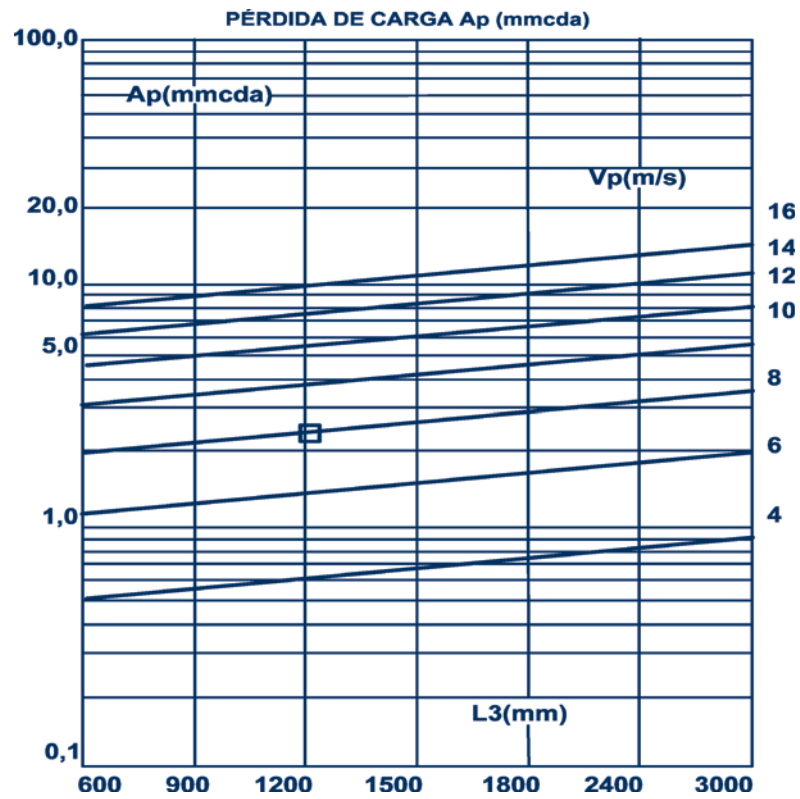
**TABLA Y GRÁFICO DE SELECCIÓN ; SIR.M300**

SIR.M300		Tabla de selección en función del caudal Q (m³/h) y la velocidad de paso Vp (m/s)									
Vp (mm)	L2 (mm)	Frente L1 (mm)									
		300	600	900	1200	1500	1800	2100	2400	2700	3000
4	600	864	1.728	2.592	3.456	4.320	5.184	6.048	6.912	7.776	8.640
	900	1.296	2.592	3.888	5.184	6.480	7.776	9.072	10.368	11.664	12.960
	1200	1.728	3.456	5.184	6.912	8.640	10.368	12.096	13.824	15.552	17.280
	1500	2.160	4.320	6.480	8.640	10.800	12.960	15.120	17.280	19.440	21.600
	1800	2.592	5.184	7.776	10.368	12.960	15.552	18.144	20.736	23.328	25.920
	2400	3.456	6.912	10.368	13.824	17.280	20.736	24.192	27.648	31.104	34.560
	3000	4.320	8.640	12.960	17.280	21.600	25.920	30.240	34.560	38.880	43.200
6	600	1.296	2.592	3.888	5.184	6.480	7.776	9.072	10.368	11.664	12.960
	900	1.944	3.888	5.832	7.776	9.720	11.664	13.608	15.552	17.496	19.440
	1200	2.592	5.184	7.776	10.368	12.960	15.552	18.144	20.736	23.328	25.920
	1500	3.240	6.480	9.720	12.960	16.200	19.440	22.680	25.920	29.160	32.400
	1800	3.888	7.776	11.664	15.552	19.440	23.328	27.216	31.104	34.992	38.880
	2400	5.184	10.368	15.552	20.736	25.920	31.104	36.288	41.472	46.656	51.840
	3000	6.480	12.960	19.440	25.920	32.400	38.880	45.360	51.840	58.320	64.800
8	600	1.728	3.456	5.184	6.912	8.640	10.368	12.096	13.824	15.552	17.280
	900	2.592	5.184	7.776	10.368	12.960	15.552	18.144	20.736	23.328	25.920
	1200	3.456	6.912	10.368	13.824	17.280	20.736	24.192	27.648	31.104	34.560
	1500	4.320	8.640	12.960	17.280	21.600	25.920	30.240	34.560	38.880	43.200
	1800	5.400	10.368	15.552	20.736	25.920	31.104	36.288	41.472	46.656	51.840
	2400	5.184	13.824	20.736	27.648	34.560	41.472	48.384	55.296	62.208	69.120
	3000	6.480	17.280	25.920	34.560	43.200	51.840	60.480	69.120	77.760	86.400
10	600	2.160	4.320	6.480	8.640	10.800	12.960	15.120	1.728	19.440	21.600
	900	3.240	6.480	9.720	12.960	16.200	19.440	22.680	25.920	29.160	32.400
	1200	4.320	8.640	12.960	17.280	21.600	25.920	30.240	34.560	38.880	43.200
	1500	5.400	10.800	16.200	21.600	27.000	32.400	37.800	43.200	48.600	54.000
	1800	6.480	12.960	19.440	25.920	32.400	38.880	45.360	51.840	58.320	64.800
	2400	8.640	17.280	25.920	34.560	43.200	51.840	60.480	69.120	77.760	86.400
	3000	10.800	21.600	32.400	43.200	54.000	64.800	75.600	86.400	97.200	108.000
12	600	2.592	5.184	7.776	10.368	12.960	15.552	18.144	20.736	23.328	25.920
	900	3.888	7.776	11.664	15.552	19.440	23.328	27.216	31.104	34.992	38.880
	1200	5.184	10.368	15.552	20.736	25.920	31.104	36.288	41.472	46.656	51.840
	1500	6.480	12.960	19.440	25.920	32.400	38.880	45.360	51.840	58.320	64.800
	1800	7.776	15.552	23.328	31.104	38.880	46.656	54.432	62.208	69.984	77.760
	2400	10.368	20.736	21.104	41.472	51.840	62.208	72.576	82.944	93.312	103.680
	3000	12.960	25.920	38.880	51.840	64.800	77.760	90.720	103.680	116.640	129.600
14	600	3.024	6.048	9.072	12.096	15.120	18.144	21.168	24.192	27.216	30.240
	900	4.536	9.072	13.608	18.144	22.680	27.216	31.752	36.288	40.824	45.360
	1200	6.048	12.096	18.144	24.192	30.240	36.288	42.336	48.384	54.432	60.480
	1500	7.560	15.120	22.680	30.240	37.800	45.360	52.920	60.480	68.040	75.600
	1800	9.072	18.144	27.216	36.288	45.360	54.360	63.504	72.576	81.648	90.720
	2400	12.096	24.192	36.288	48.384	60.480	72.576	84.672	96.768	108.864	120.960
	3000	15.120	30.240	45.360	60.480	75.600	90.720	105.840	120.960	136.080	151.200

ACÚSTICA

SILENCIADORES

ACÚSTICA



N° Módulos		1	2	3	4	5	6	7
Módulo 300		Frente L1						
Largo L3	Alto L2	300	600	900	1200	1500	1800	2100
600	600							
	800							
	900							
	1200							
	1500							
900	600							
	800							
	900							
	1200							
	1500							
1200	600							
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	1200							
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1800	600							
	800							
	900							
	1200							
	1500							

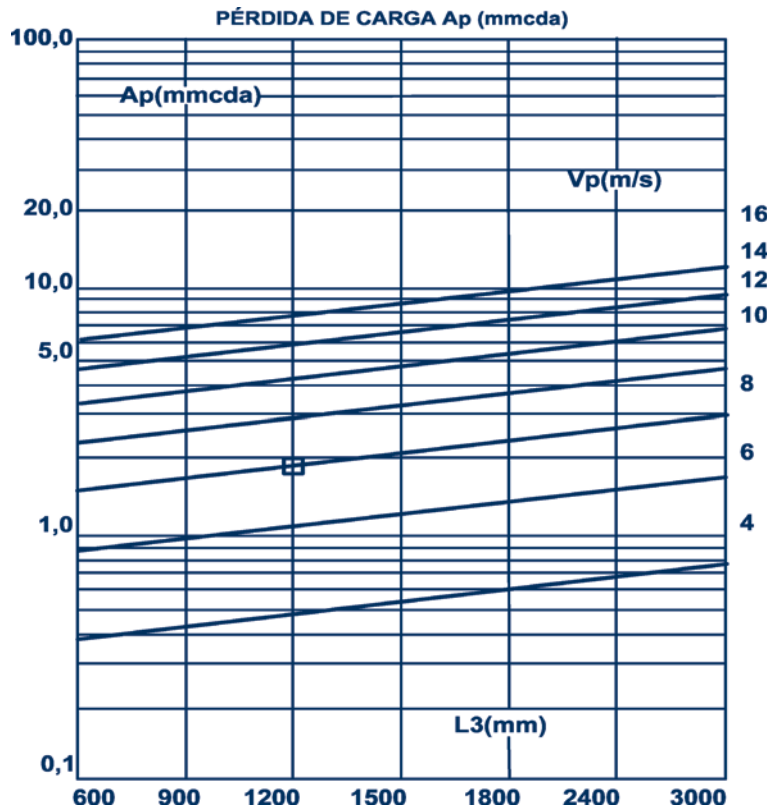
**TABLA Y GRÁFICO DE SELECCIÓN ; SIR.M350**

SIR.M350		Tabla de selección en función del caudal Q (m³/h) y la velocidad de paso Vp (m/s)									
Vp (mm)	L2 (mm)	Frente L1 (mm)									
		350	700	1050	1400	1750	2100	2450	2800	3150	3500
4	600	1.296	2.592	3.888	5.184	6.480	7.776	9.072	10.368	11.664	12.960
	900	1.944	3.888	5.832	7.776	9.720	11.664	13.608	15.552	17.496	19.440
	1200	2.592	5.184	7.776	10.368	12.960	15.552	18.144	20.736	23.328	25.920
	1500	3.240	6.480	9.720	12.960	16.200	19.440	22.680	25.920	29.160	32.400
	1800	3.888	7.776	11.664	15.552	19.440	23.328	27.216	31.104	34.992	38.880
	2400	5.184	10.368	15.552	20.736	25.920	31.104	26.288	41.472	46.656	51.840
	3000	6.480	12.960	19.440	25.920	32.400	38.880	45.360	51.840	58.320	64.800
6	600	1.944	3.888	5.832	7.776	9.720	11.664	13.608	15.552	17.496	19.440
	900	2.916	5.832	8.748	11.664	14.580	17.496	20.412	23.328	26.244	29.160
	1200	3.888	7.776	11.664	15.552	19.440	23.328	27.216	31.104	34.992	38.880
	1500	4.860	9.720	14.580	19.440	24.300	29.160	34.020	38.880	43.740	48.600
	1800	5.832	11.664	17.496	23.328	29.160	34.992	40.824	46.656	52.488	58.320
	2400	7.776	15.552	23.328	31.104	38.880	46.656	54.432	62.208	69.984	77.760
	3000	9.720	19.440	29.160	38.880	48.600	58.320	68.040	77.760	87.480	97.200
8	600	2.592	5.184	7.776	10.368	12.960	15.552	18.144	20.736	23.328	25.920
	900	3.888	7.776	11.664	15.552	19.440	23.328	27.216	31.104	34.992	38.880
	1200	5.184	10.368	15.552	20.736	25.920	31.104	36.288	41.472	46.656	51.840
	1500	6.480	12.960	19.440	25.920	32.400	38.880	45.360	51.840	58.320	64.800
	1800	7.776	15.552	23.328	31.104	38.880	46.656	54.432	62.208	69.984	77.760
	2400	10.368	20.736	31.104	41.472	51.840	62.208	72.576	82.944	93.312	103.680
	3000	12.960	25.920	38.880	51.840	64.800	77.760	90.720	103.680	116.640	129.600
10	600	3.240	6.480	9.720	12.960	16.200	19.440	22.680	25.920	29.160	32.400
	900	4.860	9.720	14.580	19.440	24.300	29.160	34.020	38.880	43.740	48.600
	1200	6.480	12.960	19.440	25.920	32.400	38.880	45.360	51.840	58.320	64.800
	1500	8.100	16.200	24.300	32.400	40.500	48.600	56.700	64.800	72.900	81.000
	1800	9.720	19.440	29.160	38.880	48.600	58.320	68.040	77.760	87.480	97.200
	2400	12.960	25.920	38.880	51.840	64.800	77.760	90.720	103.680	116.640	129.600
	3000	16.200	32.400	48.600	64.800	81.000	97.200	113.400	129.600	145.800	162.000
12	600	3.888	7.776	11.664	15.552	19.440	23.328	27.216	31.104	34.992	38.880
	900	5.832	11.664	17.496	23.328	29.160	34.992	40.824	46.656	52.488	58.320
	1200	7.776	15.552	23.328	31.104	38.880	46.656	54.432	62.208	69.984	77.760
	1500	9.720	19.440	29.160	38.880	48.600	58.320	68.040	77.760	87.480	97.200
	1800	11.664	23.328	34.992	46.656	58.320	69.984	81.648	93.312	104.976	116.640
	2400	15.552	31.104	46.656	62.208	77.760	93.312	108.864	124.416	139.968	155.520
	3000	19.440	38.880	58.320	77.760	97.200	116.640	136.080	155.520	174.960	194.400
14	600	4.536	9.072	13.608	18.144	22.680	27.216	31.752	36.288	40.824	45.360
	900	6.804	13.608	20.412	27.216	34.020	40.824	47.628	54.432	61.236	68.040
	1200	9.072	18.144	27.216	36.288	45.360	54.432	63.504	72.576	81.648	90.720
	1500	11.340	22.680	34.020	45.360	56.700	68.040	79.380	90.720	102.060	113.400
	1800	13.608	27.216	40.824	54.432	68.040	81.648	95.256	108.864	122.472	136.080
	2400	18.144	36.288	54.432	72.576	90.720	108.864	127.008	145.152	163.296	181.440
	3000	22.680	45.360	68.040	90.720	113.400	136.080	158.760	181.440	204.120	226.800

ACÚSTICA

SILENCIADORES

ACÚSTICA



N° Módulos		1	2	3	4	5	6	7
Módulo 350		Frente L1						
Largo L3	Alto L2	350	700	1050	1400	1750	2100	2450
600	600							
	800							
	900							
	1200							
	1500							
	1800							
900	600							
	800							
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1800	600							
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	900							
	1200							
	1500							
	1800							

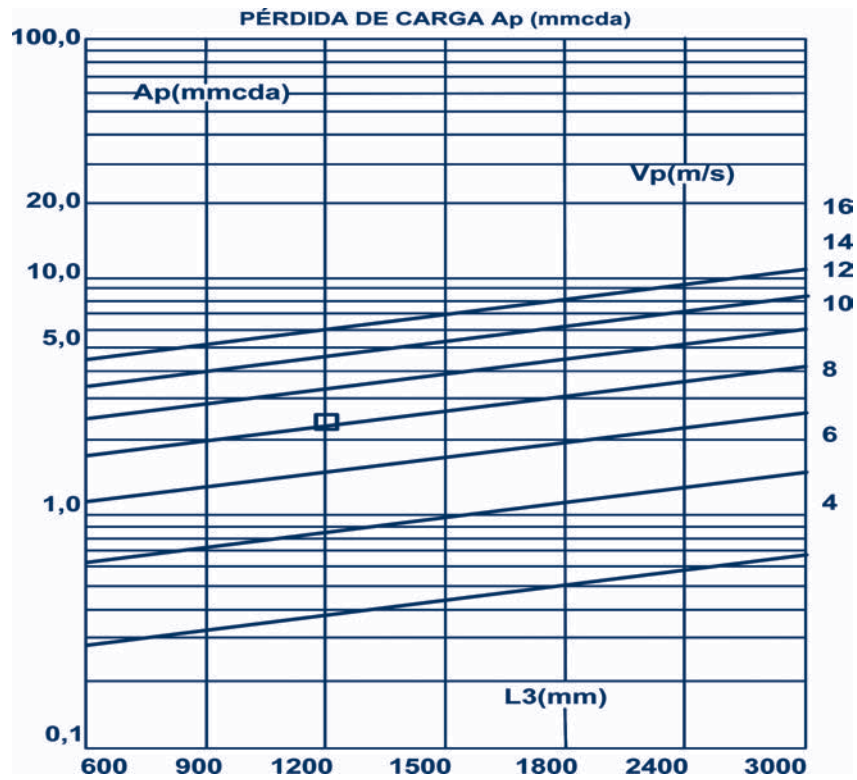
**TABLA Y GRÁFICO DE SELECCIÓN ; SIR.M400**

SIR.M400		Tabla de selección en función del caudal Q (m³/h) y la velocidad de paso Vp (m/s)									
Vp (mm)	L2 (mm)	Frente L1 (mm)									
		400	800	1200	1600	2000	2400	2800	3200	3600	4000
4	600	1.728	3.456	5.184	6.912	8.640	10.368	12.096	13.824	15.552	17.280
	900	2.952	5.184	7.776	10.368	12.960	15.552	18.144	20.736	23.328	25.920
	1200	3.456	6.912	10.368	13.824	17.280	20.736	24.192	27.648	31.104	34.560
	1500	4.320	8.640	12.960	17.280	21.600	25.920	30.240	34.560	38.880	43.200
	1800	5.184	10.368	15.552	20.736	25.920	31.104	36.288	41.472	46.656	51.840
	2400	6.912	13.824	20.736	27.648	34.560	41.472	48.384	55.296	62.208	69.120
	3000	8.640	17.280	25.920	34.560	43.200	51.840	60.480	69.120	77.760	86.400
6	600	2.592	5.184	7.776	10.368	12.960	15.552	18.144	20.736	23.328	25.920
	900	3.888	7.776	11.664	15.552	19.440	23.328	27.216	31.104	34.992	38.880
	1200	5.184	10.368	15.552	20.736	25.920	31.104	36.288	41.472	46.656	51.840
	1500	6.480	12.960	19.440	25.920	32.400	38.880	45.360	51.840	58.320	64.800
	1800	7.776	15.552	23.328	31.104	38.880	46.656	54.432	62.208	69.984	77.760
	2400	10.368	20.736	31.104	41.472	51.840	62.208	72.576	82.944	93.312	103.680
	3000	12.960	25.920	38.880	51.840	64.800	77.760	90.720	103.680	116.640	129.600
8	600	3.456	6.912	10.368	13.824	17.280	20.736	24.192	27.648	31.104	34.560
	900	5.184	10.368	15.552	20.736	25.920	31.104	36.288	41.472	46.656	51.840
	1200	6.912	13.824	20.736	27.648	34.560	41.472	48.384	55.296	62.208	69.120
	1500	8.640	17.280	25.920	34.560	43.200	51.840	60.480	69.120	77.760	86.400
	1800	10.368	20.736	31.104	41.472	51.840	62.208	72.576	82.944	93.312	103.680
	2400	13.824	27.648	41.472	55.296	69.120	82.944	96.768	110.592	124.416	138.240
	3000	17.280	34.560	51.840	69.120	86.400	103.680	120.960	138.240	155.520	172.800
10	600	4.320	8.640	12.960	17.280	21.600	25.920	30.240	34.560	38.880	43.200
	900	6.480	12.960	19.440	25.920	32.400	38.880	45.360	51.840	58.320	64.800
	1200	8.640	17.280	25.920	34.560	43.200	51.840	60.480	69.120	77.760	86.400
	1500	10.800	21.600	32.400	43.200	54.000	64.800	75.600	86.400	97.200	108.000
	1800	12.960	25.920	38.880	51.840	64.800	77.760	90.720	103.680	116.640	129.600
	2400	17.280	34.560	51.840	69.120	86.400	103.680	120.960	138.240	155.520	172.800
	3000	21.600	43.200	64.800	86.400	108.000	129.600	151.200	172.800	194.400	216.000
12	600	5.184	10.368	15.552	20.736	25.920	31.104	36.288	41.472	46.656	51.840
	900	7.776	15.552	23.328	31.104	38.880	46.656	54.432	62.208	69.984	77.760
	1200	10.368	20.736	31.104	41.472	51.840	62.208	72.576	82.944	93.312	103.680
	1500	12.960	25.920	38.880	51.840	64.800	77.760	90.720	103.680	116.640	129.600
	1800	15.552	31.104	46.656	62.208	77.760	93.312	108.864	124.416	139.968	155.520
	2400	20.736	41.472	62.208	82.944	103.680	124.416	145.152	165.888	186.624	207.360
	3000	25.920	51.840	77.760	103.680	129.600	155.520	181.440	207.360	233.280	259.200
14	600	6.048	12.096	18.144	24.192	30.240	36.288	42.336	48.384	54.432	60.480
	900	9.072	18.144	27.216	36.288	45.360	54.432	63.504	72.576	81.648	90.720
	1200	12.096	24.192	36.288	48.384	60.480	72.576	84.672	96.768	108.864	120.960
	1500	15.120	30.240	45.360	60.480	75.600	90.720	105.840	120.960	136.080	151.200
	1800	18.144	36.288	54.432	72.576	90.720	108.864	127.008	154.152	163.296	181.440
	2400	24.192	48.384	72.576	96.768	120.960	145.152	169.344	193.356	217.728	241.920
	3000	30.240	60.480	90.720	120.960	151.200	181.440	211.680	241.920	272.160	302.400

ACÚSTICA

SILENCIADORES

ACÚSTICA



Nº Módulos		1	2	3	4	5	6	7
Módulo 400		Frente L1						
Largo L3	Alto L2	400	800	1200	1600	2000	2400	2800
600	600							
	800							
	900							
	1200							
	1500							
	1800							
900	600							
	800							
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