



Code key

Type	Size ⁽¹⁾	Options	
M	12	NPT	/40
MI	01 = 1/8"	NPT = NPT thread (according to ANSI B 1.20.1)	/40 ⁽²⁾ = Up to 40 bar
M	02 = 1/4"		
MR	00 = 3/8"		
MD	05 = 1/2"		
	07 = 3/4"		
	10 = 1"		
	12 = 1 1/4"		
	15 = 1 1/2"		
	20 = 2"		
	30 = 3"		
	40 = 4"		
	60 = 6"		

How to order



Notes

For standard materials see single product data sheets.

For spare cartridges of types M, MR and MD, please see page 4.155.19

(1) For matching between type and thread, see from page 4.155.11; for the specific type, see the following pages.

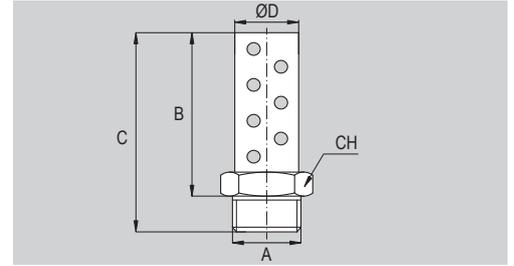
(2) Available only for types M and MD. The silencer with /40 option have same efficiency features of standard silencers, but in addition is equipped with a safety valve in the top, which allows air to discharge as the output pressure change. Thus avoid risk of damages due to "water hammer" and pulsating pressures.

Metal silencers

Type			Taper threads (BSPT)	Data sheet and code page
MI	Metal slencer with zinc-plated steel body and Stainless Steel cartridge		1/8", 1/4", 3/8", 1/2", 3/4" 1", 1 1/4", 1 1/2", 2"	4.155.12
M	Single chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate		1/8", 1/4", 3/8", 1/2", 3/4" 1", 1 1/4", 1 1/2", 2"	4.155.13
	Four chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate		3", 4", 6"	4.155.14
MR	Single chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate. Equipped with a balanced valve.		1/8", 1/4", 3/8", 1/2", 3/4" 1", 1 1/4", 1 1/2", 2"	4.155.15
	Four chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate. Equipped with a balanced valve.		3", 4", 6"	4.155.16
MD	Single chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate. Equipped with a balanced valve. For air dryers.		1/8", 1/4", 3/8", 1/2", 3/4" 1", 1 1/4", 1 1/2", 2"	4.155.17
	Four chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate. Equipped with a balanced valve. For air dryers.		3", 4", 6"	4.155.18

Main features

Type	Description	Symbol
MI	Metal slencer with zinc-plated steel body and Stainless Steel cartridge	



Dimensions

Code	Item	Symbol	A	B	CH	C	Ø D
011040	MI01		R1/8"	28	11	35	11
011041	MI02		R1/4"	33	14	44	14
011042	MI00		R3/8"	43	18	56	17,5
011043	MI05		R1/2"	52	22	68	22
011044	MI07		R3/4"	64	27	81	27
011045	MI10		R1"	76	35	98	33
011046	MI12		R1-1/4"	90	46	113	42
011047	MI15		R1-1/2"	100,6	50	124,2	50
011048	MI20		R2"	114,7	60	141,2	60

Technical data

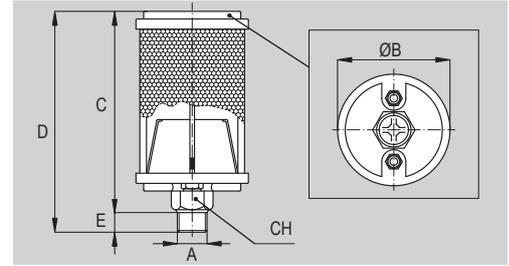
Type	MI									
Size	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	
Fluid	Compressed air									
Pressure range	0 ÷ 12 bar									
Temperature range	-25°C ÷ +120°C									
Taper threads	UNI EN 10226-1 (BSPT)									
Flow at 6 bar with ΔP 1 bar	1.200 NI/min.	2.200 NI/min.	3.800 NI/min.	6.100 NI/min.	11.300 NI/min.	15.800 NI/min.	22.500 NI/min.	24.800 NI/min.	49.700 NI/min.	
Flow tolerance	±10%									

Standard materials

Type	MI
Body	Zinc-plated steel
Cartridge	Stainless Steel

Main features

Type	Description	Symbol
M	Single chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate	



Dimensions

Code	Item	Symbol	A	Ø B	C	D	E	CH
011001	M01		R1/8"	47	75,5	83,5	8	11
011002	M02		R1/4"	47	100	112	12	14
011003	M00		R3/8"	66	119	131	12	19
011004	M05		R1/2"	80	136	152	16	22
011005	M07		R3/4"	86	167	184	17	29
011006	M10		R1"	99	203	222	19	35
011007	M12		R1-1/4"	99	199	222	23	43
011008	M15		R1-1/2"	133	322	344	22	51
011009	M20		R2"	133	452	479	27	61

Technical data

Type	M									
Size	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	
Fluid	Compressed air									
Pressure range	0 ÷ 8,5 bar									
Temperature range	-25°C ÷ +100°C									
Taper threads	UNI EN 10226-1 (BSPT)									
Flow at 6 bar with ΔP 1 bar	1.550 NI/min.	3.100 NI/min.	6.210 NI/min.	9.000 NI/min.	19.760 NI/min.	28.230 NI/min.	45.160 NI/min.	73.390 NI/min.	118.600 NI/min.	
Flow tolerance	±10%									

Standard materials

Type	M
Body	Aluminium
Tie-rods	Steel
Cartridge*	Noise-absorbing material covered by metal drilled plate

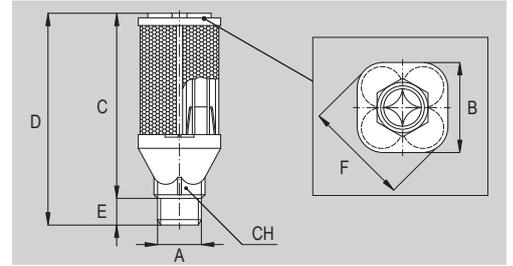
*For spare parts see page 4.155.19

Function

Mufflers type M are suitable for large plant exhausts thanks to their high flow and noise reducing capacity.

Main features

Type	Description	Symbol
M	Four chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate	



Dimensions

Code	Item	Symbol	A	B	C	D	E	F	CH
011501	M30		R3"	178	550	595	45	215	93
011502	M40		R4"	203	555	595	40	240	120
011503	M60		R6"	279	753	795	42	335	160

Technical data

Type	M								
Size	3"			4"			6"		
Fluid	Compressed air								
Pressure range	0 ÷ 8,5 bar								
Temperature range	-25°C ÷ +100°C								
Taper threads	UNI EN 10226-1 (BSPT)								
Flow at 6 bar with ΔP 1 bar	254.000 NI/min.			508.000 NI/min.			1.130.000 NI/min.		
Flow tolerance	±10%								

Standard materials

Type	M								
Body	Aluminium								
Tie-rods	Steel								
Cartridge*	Noise-absorbing material covered by metal drilled plate								

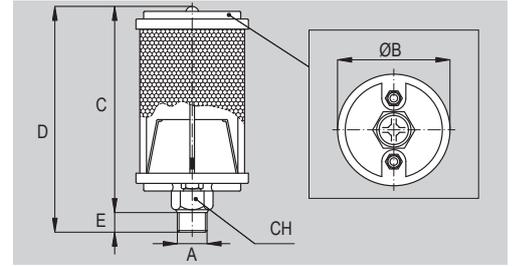
*For spare parts see page 4.155.19

Function

Mufflers type M are suitable for large plant exhausts thanks to their high flow and noise reducing capacity.

Main features

Type	Description	Symbol
MR	Single chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate. Equipped with a balanced valve.	



Dimensions

Code	Item	Symbol	A	Ø B	C	D	E	CH
011550	MR01		R1/8"	47	75,5	87	8	11
011551	MR02		R1/4"	47	100	117	12	14
011552	MR00		R3/8"	66	119	136	12	19
011553	MR05		R1/2"	80	136	157	16	22
011554	MR07		R3/4"	86	167	189	17	29
011555	MR10		R1"	99	203	227	19	35
011556	MR12		R1-1/4"	99	199	227	23	43
011557	MR15		R1-1/2"	133	322	350	22	51
011558	MR20		R2"	133	452	485	27	61

Technical data

Type	MR									
Size	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	
Fluid	Compressed air									
Pressure range	0 ÷ 12 bar									
Temperature range	-25°C ÷ +100°C									
Taper threads	UNI EN 10226-1 (BSPT)									
Flow at 6 bar with ΔP 1 bar	1.550 NI/min.	3.100 NI/min.	6.210 NI/min.	9.000 NI/min.	19.760 NI/min.	28.230 NI/min.	45.160 NI/min.	73.390 NI/min.	118.600 NI/min.	
Flow tolerance	±10%									

Standard materials

Type	MR
Body	Aluminium
Tie-rods	Steel
Cartridge*	Noise-absorbing material covered by metal drilled plate

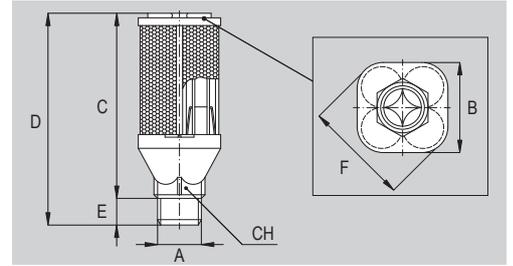
*For spare parts see page 4.155.19

Function

The silencers type MR are equipped with a special balanced relief valve, which automatically discharges excess air when the outlet pressure exceeds the operating limit of the component to avoid damages.

Main features

Type	Description	Symbol
MR	Four chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate. Equipped with a balanced valve.	



Dimensions

Code	Item	Symbol	A	B	C	D	E	F	CH
011559	MR30		R3"	178	550	600	45	215	93
011560	MR40		R4"	203	555	600	40	240	120
011561	MR60		R6"	279	753	800	42	335	160

Technical data

Type	MR								
Size	3"			4"			6"		
Fluid	Compressed air								
Pressure range	0 ÷ 12 bar								
Temperature range	-25°C ÷ +100°C								
Taper threads	UNI EN 10226-1 (BSPT)								
Flow at 6 bar with ΔP 1 bar	254.000 NI/min.			508.000 NI/min.			1.130.000 NI/min.		
Flow tolerance	±10%								

Standard materials

Type	MR								
Body	Aluminium								
Tie-rods	Steel								
Cartridge*	Noise-absorbing material covered by metal drilled plate								

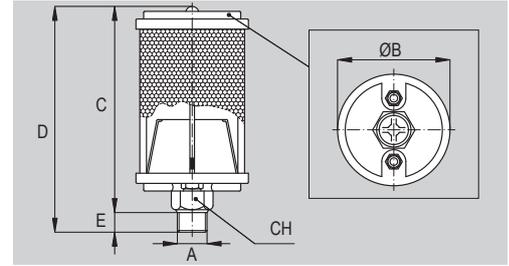
*For spare parts see page 4.155.19

Function

The silencers type MR are equipped with a special balanced relief valve, which automatically discharges excess air when the outlet pressure exceeds the operating limit of the component to avoid damages.

Main features

Type	Description	Symbol
MD	Single chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate. Equipped with a balanced valve. For air dryers.	



Dimensions

Code	Item	Symbol	A	Ø B	C	D	E	CH
011540	MD01		R1/8"	47	75,5	87	8	11
011523	MD02		R1/4"	47	100	117	12	14
011524	MD00		R3/8"	66	119	136	12	19
011525	MD05		R1/2"	80	136	157	16	22
011526	MD07		R3/4"	86	167	189	17	29
011527	MD10		R1"	99	203	227	19	35
011528	MD12		R1-1/4"	99	199	227	23	43
011529	MD15		R1-1/2"	133	322	350	22	51
011530	MD20		R2"	133	452	485	27	61

Technical data

Type	MD									
Size	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	
Fluid	Compressed air									
Pressure range	0 ÷ 12 bar									
Temperature range	-25°C ÷ +100°C									
Taper threads	UNI EN 10226-1 (BSPT)									
Flow at 6 bar with ΔP 1 bar	1.550 NI/min.	3.100 NI/min.	6.210 NI/min.	9.000 NI/min.	19.760 NI/min.	28.230 NI/min.	45.160 NI/min.	73.390 NI/min.	118.600 NI/min.	
Flow tolerance	±10%									

Standard materials

Type	MD
Body	Aluminium
Tie-rods	Steel
Cartridge*	Noise-absorbing material with dustproof layer and metal net protection, covered by metal drilled plate

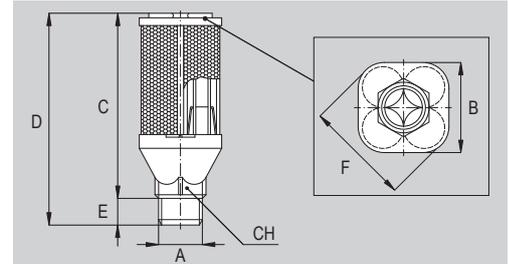
*For spare parts see page 4.155.19

Function

Specifically designed to manage the service issues associated with desiccant regenerative type air dryers, which often expel air laden with moisture and desiccant dust. The primary stage traps particulates, allowing cleaner air to escape freely through the secondary stage, which also have a noise reduction function. Equipped with a safety valve to avoid damages (standard is maximum working pressure 12 bar, while for higher pressure /40 option is required allowing to withstand up to 40 bar).

Main features

Type	Description	Symbol
MD	Four chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate. Equipped with a balanced valve. For air dryers.	



Dimensions

Code	Item	Symbol	A	B	C	D	E	F	CH
011531	MD30		R3"	178	550	600	45	215	93
011532	MD40		R4"	203	555	600	40	240	120
011533	MD60		R6"	279	753	800	42	335	160

Technical data

Type	MD								
Size	3"			4"			6"		
Fluid	Compressed air								
Pressure range	0 ÷ 12 bar								
Temperature range	-25°C ÷ +100°C								
Taper threads	UNI EN 10226-1 (BSPT)								
Flow at 6 bar with ΔP 1 bar	254.000 NI/min.			508.000 NI/min.			1.130.000 NI/min.		
Flow tolerance	±10%								

Standard materials

Type	MD								
Body	Aluminium								
Tie-rods	Steel								
Cartridge*	Noise-absorbing material with dustproof layer and metal net protection, covered by metal drilled plate								

*For spare parts see page 4.155.19

Function

Specifically designed to manage the service issues associated with desiccant regenerative type air dryers, which often expel air laden with moisture and desiccant dust. The primary stage traps particulates, allowing cleaner air to escape freely through the secondary stage, which also have a noise reduction function. Equipped with a safety valve to avoid damages (standard is maximum working pressure 12 bar, while for higher pressure /40 option is required allowing to withstand up to 40 bar).

Noise-absorbing material covered by metal drilled plate, for metal silencers type M* e MR



Size	Code	Description	Matching
1/8"	011058	Single cartridge	M* MR
1/4"	011059	Single cartridge	
3/8"	011060	Single cartridge	
1/2"	011061	Single cartridge	
3/4"	011062	Single cartridge	
1"	011063	Single cartridge	
1-1/4"			
1-1/2"	011065	Single cartridge	
2"	011066	Single cartridge	
3"	011067	Single cartridge	
3"	011068	Kit four cartridges	
4"	011069	Single cartridge	
4"	011070	Kit four cartridges	
6"	011071	Single cartridge	
6"	011072	Kit four cartridges	

*Compatible also with option /40

Noise-absorbing material with dustproof layer and metal net protection covered by metal drilled plate, for metal silencers type MD*



Size	Code	Description	Matching
1/8"	011077	Single cartridge	MD*
1/4"	011087	Single cartridge	
3/8"	011083	Single cartridge	
1/2"	011078	Single cartridge	
3/4"	011085	Single cartridge	
1"	011082	Single cartridge	
1-1/4"			
1-1/2"	011086	Single cartridge	
2"	011081	Single cartridge	
3"	011079S	Single cartridge	
3"	011079	Kit four cartridges	
4"	011080S	Single cartridge	
4"	011080	Kit four cartridges	
6"	011088S	Single cartridge	
6"	011088	Kit four cartridges	

*Compatible also with option /40