

These products are manufactured at the ISO 14001 certified plant.

MAEDA SHELL SERVICE CO.,LTD.
is an air consultant for compressed air.

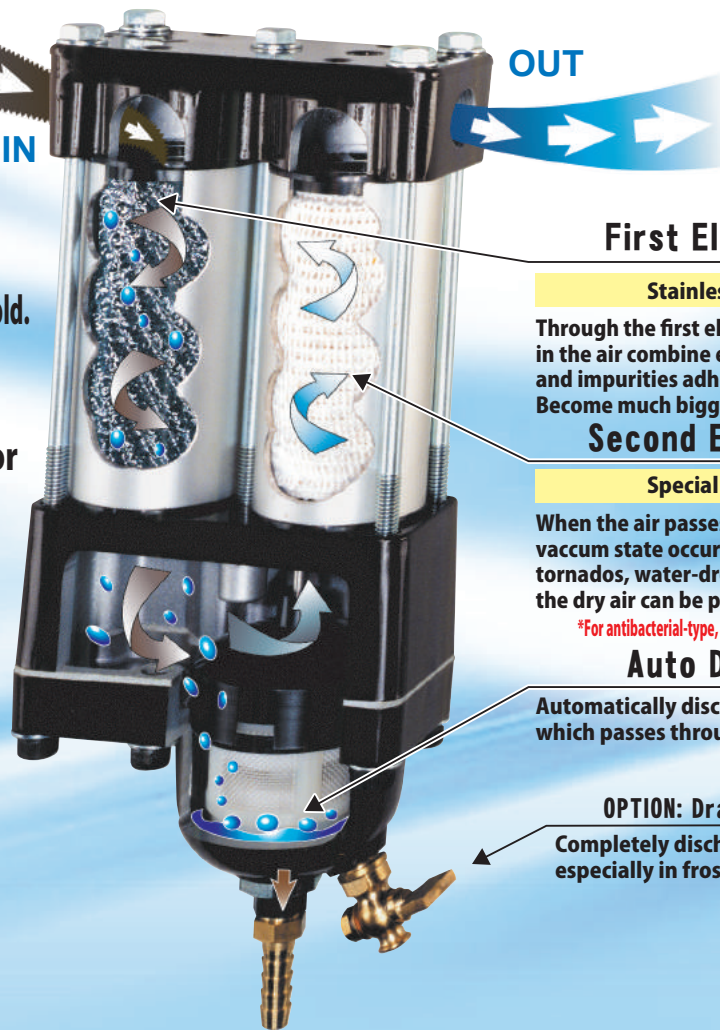
General-purpose LA-MAN DRY FILTER

Particle filtration efficiency: Removes 100% of solid particles of 3 μm and 50% of 1 μm. *Differs according to the model.

No moisture! No freeze-up! Remove 99% of oil droplet!
Low pressure loss and energy saving by special design!



Patented in Japan, the U.S., and Europe.



Available for antibacterial type to prevent the growth of bacteria and mold. ("AB" is included in the Product No.)

Available for the unit with regulator and with regulator +oiler. (La-Man FR Unit)

First Element

Stainless-steel

Through the first element, water droplets in the air combine each other, and impurities adhere to them. Become much bigger water droplets.

Second Element

Special cotton

When the air passes through this element, vacuum state occurs same as in the actual tornados, water-drop can be evaporated, the dry air can be produced.

*For antibacterial-type, the antibacterial agent is applied.

Auto Drain

Automatically discharges the drain which passes through the first element.

OPTION: Drain Cock

Completely discharges the drain especially in frosty temperatures.

*Part of the pictures is omitted.

La-Man Dry Filter®

- Space-saving compact size.
- Auto-Drain built in.
- Capable of intermittently using compressed air.
- Stable removal efficiency with low pressure loss.
- Greater cooling effect thanks to aluminum body.

Sales of over 600,000 units!



Use application

- Precise measuring instruments ● Measuring device ● Injection-molding machines ● Robot measuring instruments
- Fabricating equipment ● Printing instruments ● Painting instruments ● Packaging machines ● Food processing instruments
- Air tool ● Solenoid valve ● Cylinder ● Other applications that require ultraclean air

La-Man Dry Filter

Specifications

*AB is included in Product No. for Antibacterial-type. *M-103-5/M-103-AB-5 are not Auto Drain type. ●ℓ/min(ANR) is the volume in the atmospheric pressure condition.

Model		Working pressure MPa	Maximum flow ● At the time of ℓ/min(ANR) 0.7MPa	Solid particle removal μm	Operating temperature range °C	Connection port Rc	Mass kg	Accessories
General type	Antibacterial type							
M-103-5	M-103-AB-5	0.3~1.71	300	5	5~60	1/4	0.4	Bracket Bracket screw Hose fitting Hose Push pin
M-105A-3	M-105A-AB-3					3/8	1.1	
M-105-4A-3	M-105-4A-AB-3					1/2	1.1	
M-105A-5	M-105A-AB-5	3/8	1.1					
M-105-4A-5	M-105-4A-AB-5	1/2	1.1					
M-110A-5	M-110A-AB-5	0.3~0.97	1,500	5	3/4	2.9		
M-120A-5	M-120A-AB-5				1	6.2		
M-140A-5	M-140A-AB-5				1-1/4	13.6		
M-160A-5	M-160A-AB-5				1-1/2	13.6		
M-180A-5	M-180A-AB-5				2	28.6		

Completely discharge drain especially in frosty temperatures to avoid freezing drain. Use the forced discharge "Drain Cock" (option).

Elements for replacement

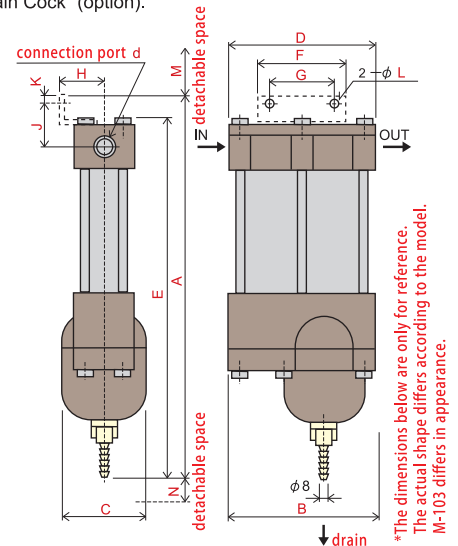


elements

*M-103(AB)-5 differs in appearance.

Model	First Element (common)	Second Element	
		General type	Antibacterial type(AB)
M-103(-AB)-5	M-103-1F	M-103-2F-5	M-103-2F-AB-5
M-105A(-AB)-3 M-105-4A(-AB)-3	M-105-1F	M-105-2F-3	M-105-2F-AB-3
M-105A(-AB)-5 M-105-4A(-AB)-5	M-105-1F	M-105-2F-5	M-105-2F-AB-5
M-110A(-AB)-5	M-110-1F	M-110-2F-5	M-110-2F-AB-5
M-120A(-AB)-5	M-120-1F	M-120-2F-5	M-120-2F-AB-5
M-140A(-AB)-5 M-160A(-AB)-5	M-140-1F	M-140-2F-5	M-140-2F-AB-5
M-180A(-AB)-5	M-180-1F	M-180-2F-5	M-180-2F-AB-5

Replace the elements after cleaning the areas where the top and bottom of the elements touch the body and the chamber and base of the body. Also, for maintaining performance, wash or replace the first element once every 2 years and replace the second element every 6 months. (1,000 hours)

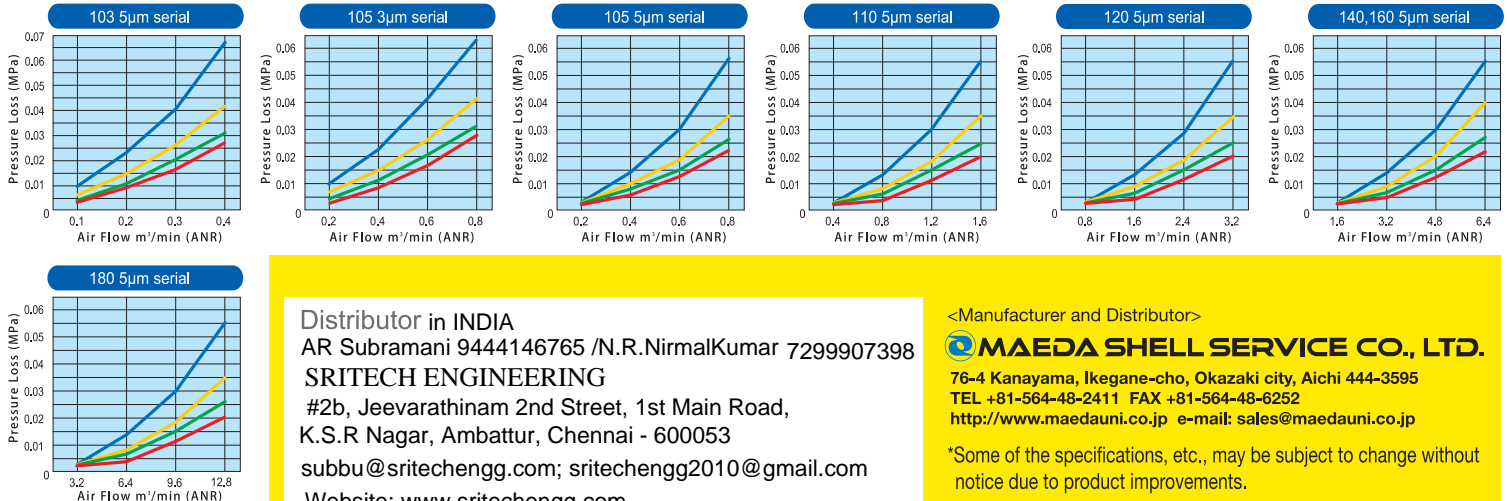


Dimensions (unit: mm)

Model	Connection Port d (Rc)	A	B	C	D	E	F	G	H	J	K	L	M	N
M-103(-AB)-5	1/4	—	75	32	89.6	230	—	—	—	—	—	—	107	30
M-105A(-AB)-3	3/8	272	102	60	103.5	253	62	48	33	32	5.5	Φ6.5	126	60
M-105-4A(-AB)-3	1/2													
M-105A(-AB)-5	3/8													
M-105-4A(-AB)-5	1/2	357	156	83	150	334	87	62	47	38	12	Φ8	166	80
M-110A(-AB)-5	3/4													
M-120A(-AB)-5	1													
M-140A(-AB)-5	1-1/4													
M-160A(-AB)-5	1-1/2													
M-180A(-AB)-5	2	743	388	181	387	698	213	170	94	64	17	Φ13	377	158

Flow Characteristics

— 0.3MPa — 0.5MPa — 0.7MPa — 0.9MPa



Distributor in INDIA

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*Some of the specifications, etc., may be subject to change without notice due to product improvements.