

System-Compressor Kits

Aeration

Matala®
"Make water alive"

MEA LAKE PRO KITS



MEA Lake Pro Kits

Lake and Pond Aeration is now easier than ever !

FEATURES AND BENEFITS:

Matala Rocking Piston Compressor

- Max. pressure up to 50 psi.(Pressure relief valve functions at 40 psi)
- Accessories set include three ways manifold, oil filled pressure gauges and safety pressure relief valve.
- Oil-less non-lube piston and cylinder.
- Permanently lubricated bearings.
- Easy manifold design for wear resistance of the cylinder and replace piston seal of the head.
- Reliable, balanced for smooth and low vibration operation.
- 220Volt also available on special order.

Weighted Air Hose

- Good weather resistance.
- Very smooth inside wall surface with very low pressure drop and high energy efficiency.
- Weighted hose also available in 1/2", 5/8", 3/4" and 1" for a wide variety of aeration systems.

Three Matala Diffuser Base sets

- Allows you to mount air diffuser(s) firmly at the bottom of the pond.
- Keeps the air diffusers up out of the mud.
- Designed with a hollow base that can be filled with sand or gravel.
- Choose the number of MDB11 disc diffusers for your installation needs.

WARRANTY:

Limited Warranty :

Matala compressor will repair or replace for the original user any portion of a new compressor product which proves defective due to materials or workmanship of compressor within 2 years of purchase date. Contact the nearest authorized compressor dealer for warranty service.

Matala compressor shall possess the sole right to determine whether to repair or replace defective equipment, parts or components.

THIS WARRANTY DOES NOT COVER DAMAGE DUE TO LIGHTNING OR OTHER CONDITIONS BEYOND THE CONTROL OF compressor.

LABOR & COSTS : Matala compressor shall in no event be liable for the cost of field labor or other charges incurred by any customer in removing and/or reaffixing any Matala compressor product, parts or component.

THE WARRANTY WILL NOT APPLY:

- (a) to defects or malfunctions resulting from failure to properly install, operate, or maintain the unit in accordance with printed instructions provided.
- (b) to failures resulting from abuse, accident, or negligence.
- (c) to normal maintenance services and the parts used in connection with such service. Such as Rebuild Kit Components and Air Filters.
- (d) to units which are not installed in accordance with applicable local codes, ordinances, and good trade practices.
- (e) if unit is used for purposes other than for what it was designed and manufactured for.
- (f) if unit or components have been tampered with or modified in any way by an unauthorized dealer or repair shop.
- (g) Warranty does not include rebuild kits of compressor, it is recommended to replace these parts every 12 to 18 months and the parts can be obtained from an Authorized Distributor.

*Piston cup #8 for MPC-60~200

*Cylinder & O-ring #11 & #12 for MPC-60~200

*Upper/Down valve flapper & O-ring #15 & #17 for MPC-60~200, #31 for MPC-200

(h) Warranty does not include the following accessories: Oil-filled gauge #6, Air Filter/Silencer #10, Plastic base (for cabinet) #B.

WARRANTY EXCLUSIONS : Matala compressor

SPECIFICALLY DISCLAIMS THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AFTER THE TERMINATION OF THE WARRANTY PERIOD.

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WARNING:

IMPORTANT SAFEGUARDS READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

DANGER

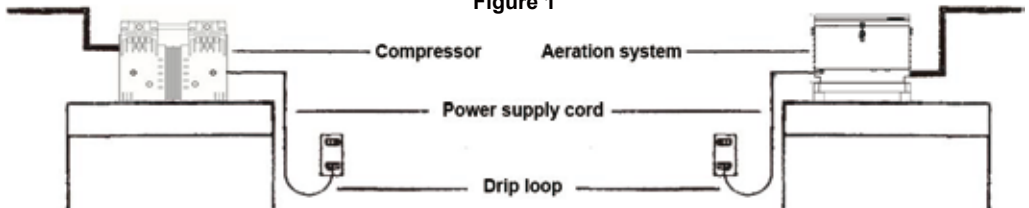
To avoid possible equipment electric shock, special care should be taken when the compressor is used as aeration equipment. For each of the following situations, do not attempt to repair yourself, return the compressor to an authorized service facility servicing, or discard the compressor.

- I) If the compressor falls into the water, DO NOT REACH FOR IT: first unplug the compressor, and then retrieve it.
If the compressor's electrical components get wet, unplug the compressor immediately.
- II) Carefully examine the compressor after installation. It should not be plugged in if there is water on parts that are not intended to be wet.
- III) Do not operate if the cord or plug is damaged, or if the compressor is malfunctioning, dropped, or damaged in any way.
- IV) To prevent the plug of electrical outlet from getting wet, position the water tank and stand to one side of a wall mounted outlet.

This should prevent water from dripping onto the plug or outlet.

A drip loop shown in the (Figure 1), should be arranged for each cord connecting the compressor to an electrical outlet. The drip loop is that part of the cord below the level of the outlet or connector if an extension cord is used. The drip loop prevents water traveling along the cord and going into the outlet.

Figure 1



If the plug and outlet does get wet, DO NOT UNPLUG THE CORD: Disconnect the fuse or circuit breaker supplying power to the compressor. Then unplug and examine for the presence of water in the outlet.

- V) Do not use the compressor near volatile liquid such as gasoline, thinners, etc, as this creates the possibility of an explosion.

CAUTIONS FOR USE

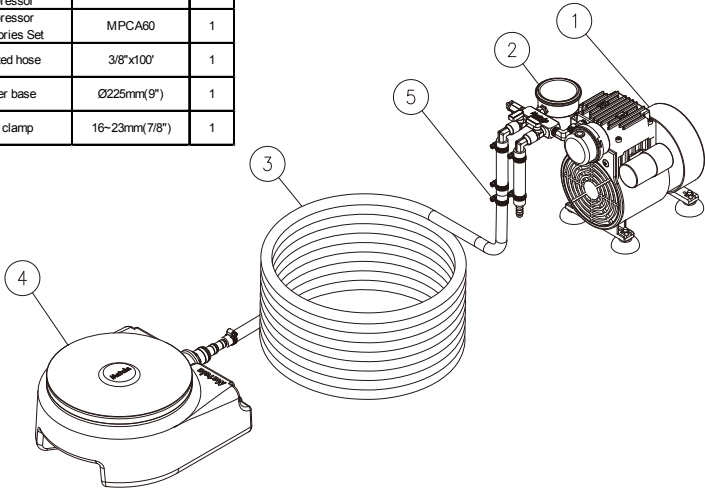
- A) Close supervision is necessary when an appliance is used or near children.
- B) This compressor is air-operated. Do not, under any circumstances, attempt operation with water or other liquids, otherwise compressor may be damaged.
- C) The temperature range may result in malfunction of severely shortened service life.
- D) Do not block the air being discharged. Compressor must have sufficient room to allow for heat dissipation.
Under the extreme operating temperature conditions which may be caused by failure to observe cautions C) or D), compressor will automatically switch off until cool. DO NOT REMOVE COMPRESSOR CASING UNTIL UNIT IS DISCONNECTED FROM MAIN SUPPLY.
- E) Always unplug compressor prior to servicing. Grasp plug to remove cord from outlet. Do not remove by pulling on power cord.
- F) Do not use the compressor for any other purpose other than its original intended application.
Use of unauthorized replacement parts may jeopardize safety.
- G) Do not store compressor under freezing condition.
- H) Ensure compressor is securely mounted prior to operation.
- I) Read and observe all important markings on compressor.
- J) Ensure that extension cords (if required) have the correct or higher rating (amperes or watts).
Ensure cord is properly positioned to prevent tripping or entanglement.

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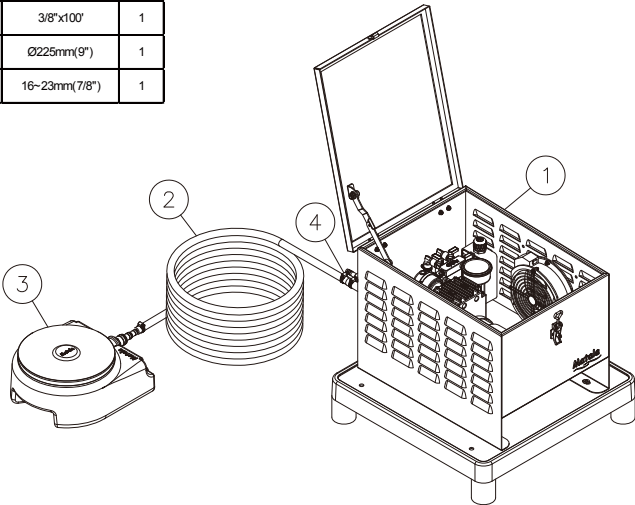
Model:MEA Lake Pro 1 Kit

NO.	ASM NO.	PARTS NO.	DESCRIPTION	SPEC	Q'TY
1	MPC-60C	MPC-60A	Rocking Piston Compressor	3.7CFM	1
2		MPCA60	Compressor Accessories Set	MPCA60	1
3	WHAB100001-5		Weighted hose	3/8"x100'	1
4	MDB11		Diffuser base	Ø225mm(9")	1
5	EA200001		Hose clamp	16~23mm(7/8")	1



Model:MEA Lake Pro 1C Kit

NO.	ASM NO./PARTS NO.	DESCRIPTION	SPEC	Q'TY
1	MPC-60C1	Rocking Piston Compressor for Cabinet	3.7CFM	1
2	WHAB100001-5	Weighted hose	3/8"x100'	1
3	MDB11	Diffuser base	Ø225mm(9")	1
4	EA200001	Hose clamp	16~23mm(7/8")	1

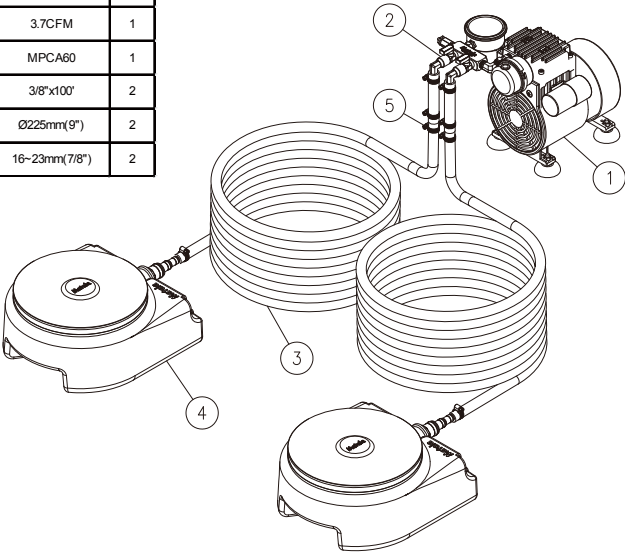


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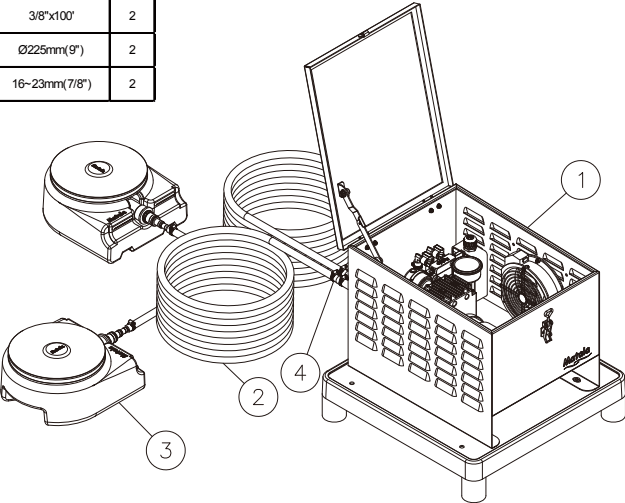
Model:MEA Lake Pro 2 Kit

NO.	ASM NO.	PARTS NO.	DESCRIPTION	SPEC	Q'TY
1	MPC-60C	MPC-60A	Rocking Piston Compressor	3.7CFM	1
2		MPCA60	Compressor Accessories Set	MPCA60	1
3	WHAB100001-5		Weighted hose	3/8"x100'	2
4	MDB11		Diffuser base	Ø225mm(9")	2
5	EA200001		Hose clamp	16~23mm(7/8")	2



Model:MEA Lake Pro 2C Kit

NO.	ASM NO./PARTS NO.	DESCRIPTION	SPEC	Q'TY
1	MPC-60C1	Rocking Piston Compressor for Cabinet	3.7CFM	1
2	WHAB100001-5	Weighted hose	3/8"x100'	2
3	MDB11	Diffuser base	Ø225mm(9")	2
4	EA200001	Hose clamp	16~23mm(7/8")	2

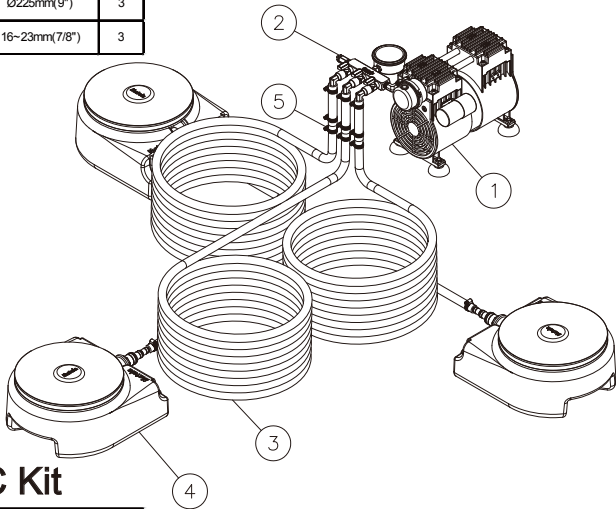


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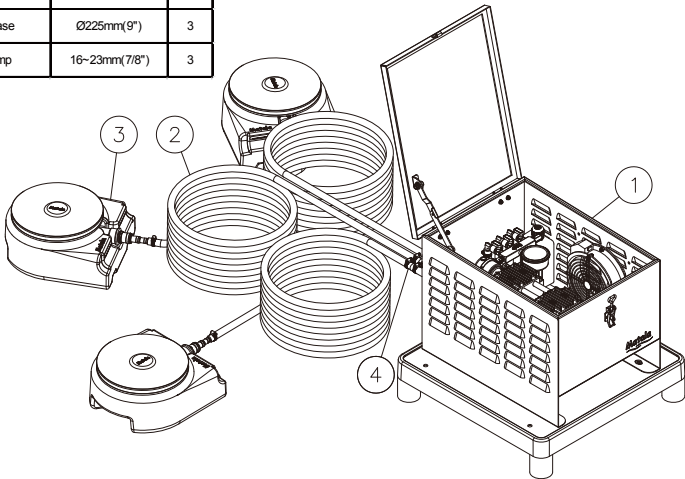
Model:MEA Lake Pro 3 Kit

NO.	ASM NO.	PARTS NO.	DESCRIPTION	SPEC	Q'TY
1	MPC-120C	MPC-120A	Rocking Piston Compressor	5.1CFM	1
2		MPCA120	Compressor Accessories Set	MPCA120	1
3	WHAB100001-6		Weighted hose	3/8"x300'	3
4	MDB11		Diffuser base	Ø225mm(9")	3
5	EA200001		Hose clamp	16~23mm(7/8")	3



Model:MEA Lake Pro 3C Kit

NO.	ASM NO./PARTS NO.	DESCRIPTION	SPEC	Q'TY
1	MPC-120C1	Rocking Piston Compressor for Cabinet	5.1CFM	1
2	WHAB100001-6	Weighted hose	3/8"x300'	1
3	MDB11	Diffuser base	Ø225mm(9")	3
4	EA200001	Hose clamp	16~23mm(7/8")	3

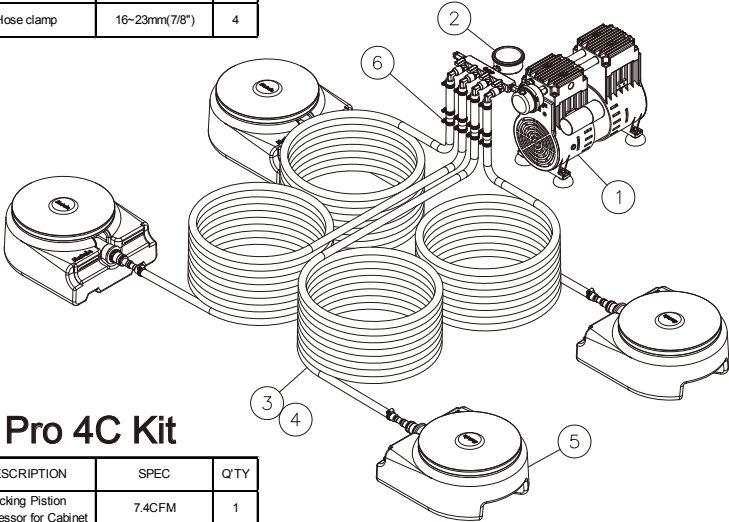


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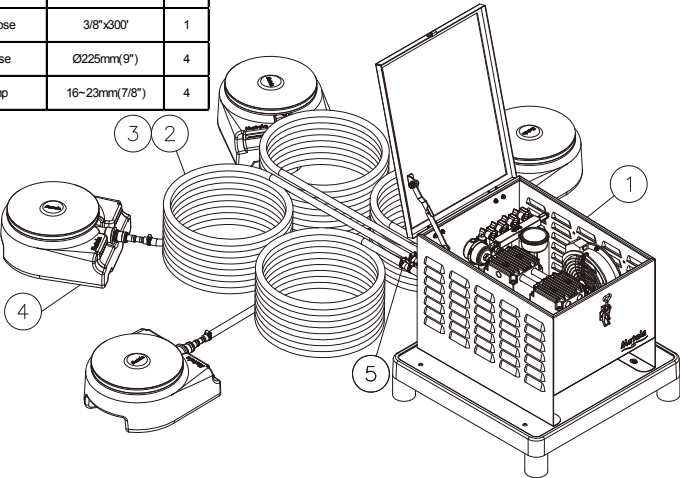
Model:MEA Lake Pro 4 Kit

NO.	ASM NO.	PARTS NO.	DESCRIPTION	SPEC	Q'TY
1	MPC-200C	MPC-200A	Rocking Piston Compressor	7.4CFM	1
2		MPCA200-4	Compressor Accessories Set	MPCA200-4	1
3	WHAB100001-5		Weighted hose	3/8"x100'	1
4	WHAB100001-6		Weighted hose	3/8"x300'	1
5	MDB11		Diffuser base	Ø225mm(9")	4
6	EA200001		Hose clamp	16~23mm(7/8")	4



Model:MEA Lake Pro 4C Kit

NO.	ASM NO./PARTS NO.	DESCRIPTION	SPEC	Q'TY
1	MPC-200C1	Rocking Piston Compressor for Cabinet	7.4CFM	1
2	WHAB100001-5	Weighted hose	3/8"x100'	1
3	WHAB100001-6	Weighted hose	3/8"x300'	1
4	MDB11	Diffuser base	Ø225mm(9")	4
5	EA200001	Hose clamp	16~23mm(7/8")	4



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Specifications

MEA Lake Pro			1 Kit		1C Kit		2 Kit		2C Kit		3 Kit		3C Kit		4 Kit		4C Kit							
Specifications			MPC-60C						MPC-120C						MPC-200C									
Model			MPC-6016C						MPC-6026C		MPC-6025C		MPC-12016C		MPC-12026C		MPC-12025C		MPC-20016C		MPC-20026C		MPC-20025C	
Order			MPC-6016C						MPC-6026C		MPC-6025C		MPC-12016C		MPC-12026C		MPC-12025C		MPC-20016C		MPC-20026C		MPC-20025C	
HP			1/4						1/2						3/4									
Volt / Hz			115V / 60Hz		220V / 60Hz		230V / 50Hz		115V / 60Hz		220V / 60Hz		230V / 50Hz		115V / 60Hz		220V / 60Hz		230V / 50Hz					
PSI	Ft.	M.	LPM	CFM	LPM	CFM	LPM	CFM	LPM	CFM	LPM	CFM	LPM	CFM	LPM	CFM	LPM	CFM	LPM	CFM	LPM	CFM		
0	0	0	92	3.25	92	3.25	85	3.00	156	5.51	155	5.47	135	4.77	212	7.49	218	7.70	186	6.57				
5	11.5	3.5	75	2.65	75	2.65	71	2.51	141	4.98	146	5.16	125	4.42	204	7.21	205	7.24	178	6.29				
10	23.1	7.0	71	2.51	71	2.51	65	2.30	138	4.87	140	4.94	118	4.17	195	6.89	195	6.89	168	5.93				
15	34.6	10.5	69	2.44	69	2.44	62	2.19	129	4.56	135	4.77	113	3.99	192	6.78	190	6.71	160	5.65				
20	46.1	14.1	67	2.37	67	2.37	58	2.05	120	4.24	129	4.56	108	3.81	182	6.43	180	6.36	158	5.58				
25	57.7	17.6	62	2.19	62	2.19	54	1.91	115	4.06	122	4.31	100	3.53	176	6.22	171	6.04	150	5.30				
30	69.2	21.1	59	2.08	59	2.08	52	1.84	102	3.60	110	3.89	95	3.36	170	6.00	167	5.90	147	5.19				
40	92.3	28.1	55	1.94	55	1.94	48	1.69	91	3.21	100	3.53	87	3.07	159	5.62	158	5.58	130	4.59				
Amp at Opsi			1.8		0.9		0.8		3.0		1.6		1.5		5.4		3.1		2.5					
Amp at 20psi (46.1ft. / 14.1m)			2.4		1.3		1.2		4.0		2.2		1.9		6.9		3.7		3.0					
Watt (input) at Opsi			190W		162W		158W		332W		330W		290W		594W		619W		515W					
Watt (input) at 20psi (46.1ft / 14.1m)			258W		242W		233W		455W		464W		416W		768W		777W		651W					
Suggested pond size			1/4~1 Acre Lake (5~30ft deep)						1/2~2 Acre Lake (8~40ft deep)						Up to 4 Acre Lake (10~40ft deep)									
Suggested tubing size (inch) / (mm)			3/8"-5/8" / 9.5~15.9 (suggest max.100ft)						3/8"-5/8" / 9.5~15.9 (suggest max.100ft)						3/8"-1" / 9.5~25.4 (suggest max.100ft)									
Dimensions: LxWxH (inch) / (mm)			7.1x6.3x7.8 / 181x160x198						9.4x6.3x7.8 / 240x160x198						10.8x6.5x9.5 / 275x166x242									
Weight (lbs) / (kg)			18.7 / 8.5						23.1 / 10.5						30.2 / 13.7									

* Weight including all accessories.

• The above specifications are subject to change without prior notice.

Troubleshooting

Problems	Possible Cause	Remedy
Won't start	Filter dirty	Clean or replace
	Relief valve set too high	Inspect and adjust
	Low voltage, won't start	Check power source.
	Leaky hose or check valve	Replace.
	Dirt or liquid on top of piston	Inspect and repair
	Plugged line	Inspect and repair
Compressor works but no air comes from reservoir or low pressure	Filter dirty	Clean or replace
	Leak hose or check valve	Replace
	Dirt or liquid on top of piston	Inspect and clean
	Valves dirty or bent	Clean or replace
	Relief valve set to low	Inspect and adjust
Over high pressure	Relief valve set too high	Inspect and adjust
	Plugged line	Inspect and repair
	Filter dirty	Clean or replace
Compressor overheat	Relief valve set too high	Inspect and adjust
	Plugged line	Inspect and repair
	Low voltage, won't start	Check power source
	Dirt or liquid on top of piston	Inspect and clean
	Filter dirty	Clean or replace
Compressor works but produces loud, irregular noise	Plugged line	Inspect and repair
	Low voltage, won't start	Check power source
	Worn cup/piston hitting cylinder	Replace

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For more information or support:

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