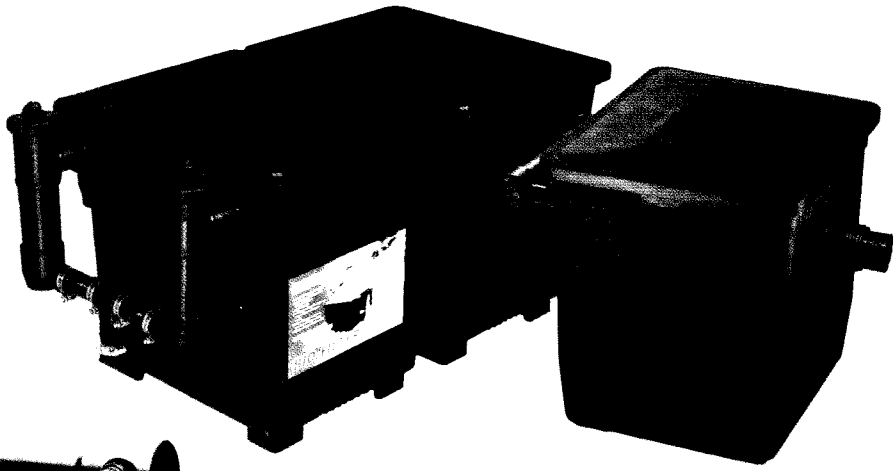
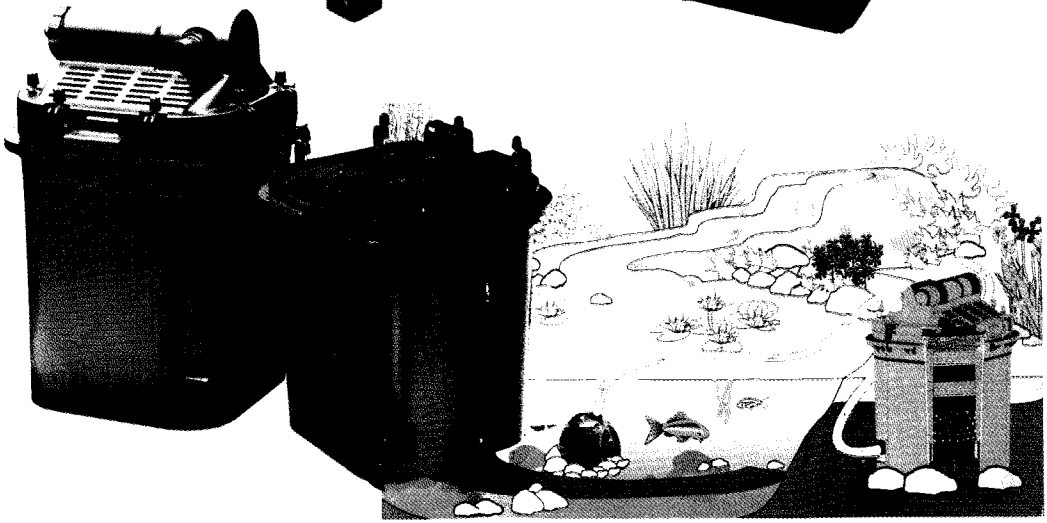
JEBO

INSTRUCTIONS MANUAL

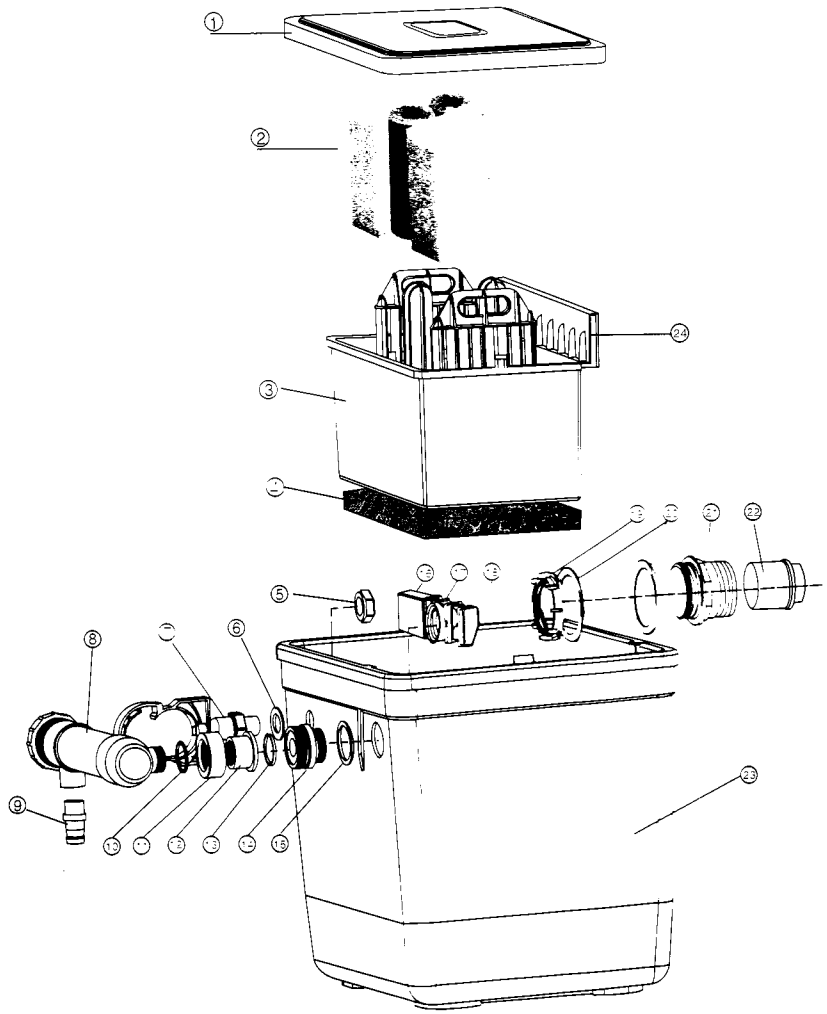
Bio - Filter For Fish Pool

Filter for large garden pool and borcarded carps pool



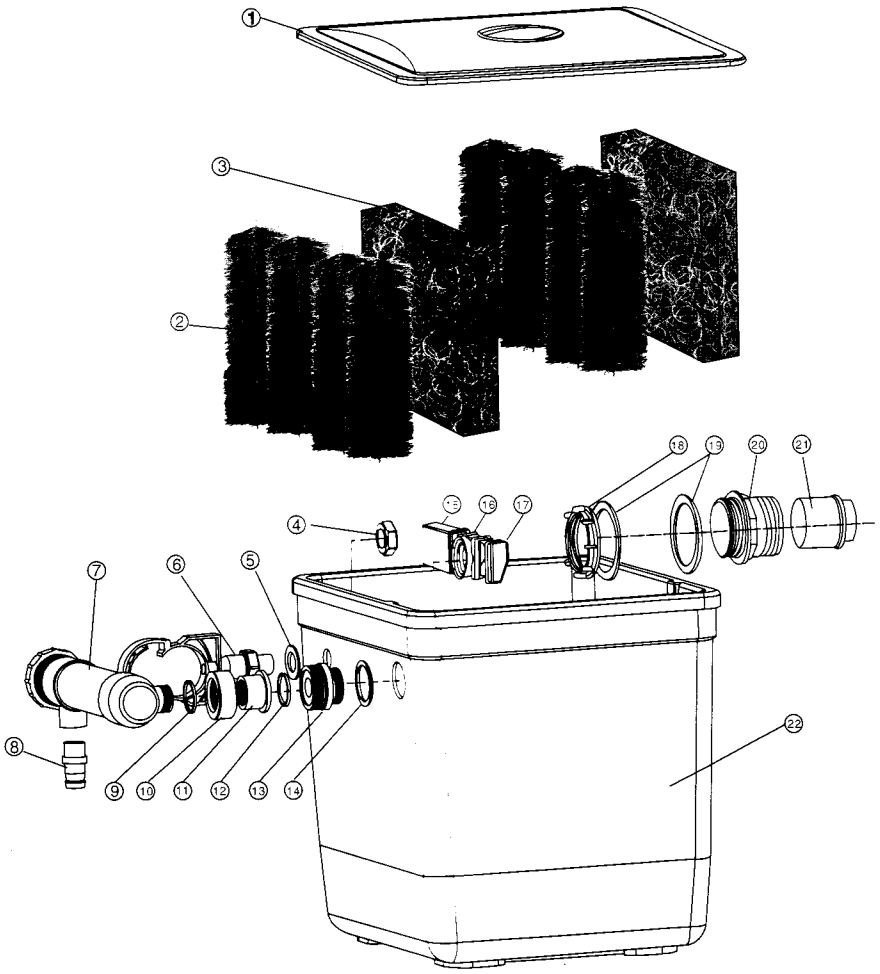


BREAK-DOWN FIGURE OF FISH POOL FILTER 50 I \



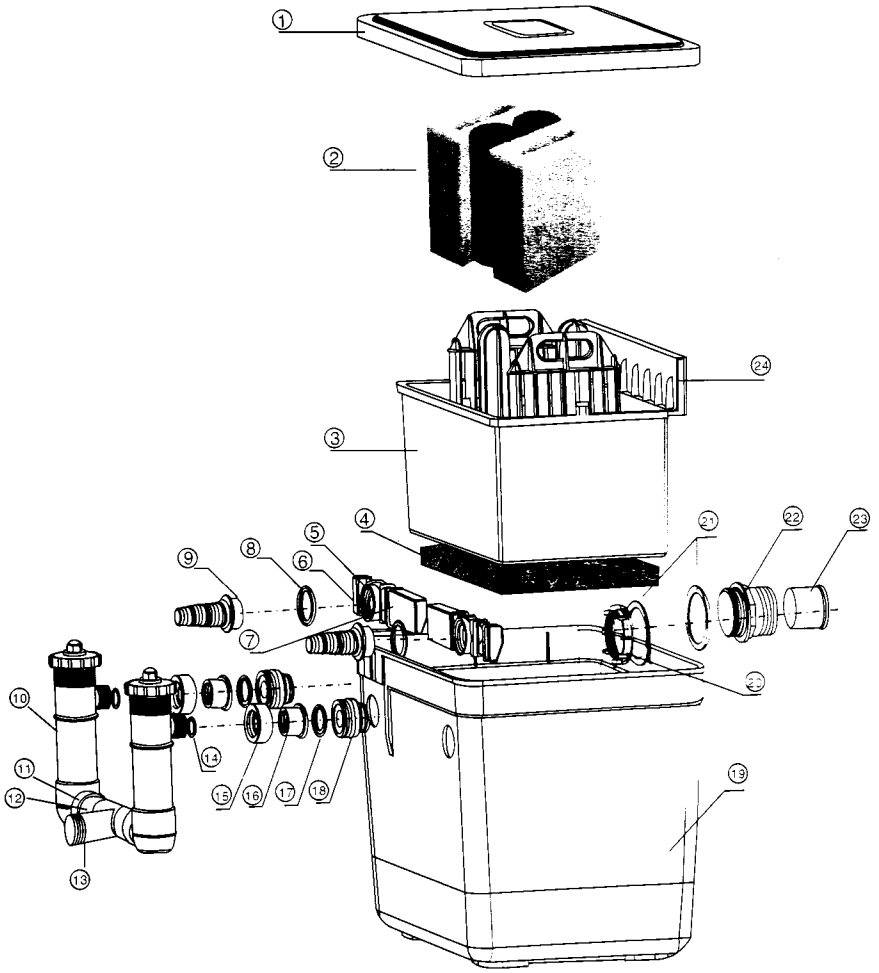
1. Panel
2. Filter Foam
3. Filter inside gallbladder
4. Filter mats
5. Fastening shaft screw
6. ϕ28Gasket
7. Fasfening shaft
8. Ultra violet
9. Input gateway
10. ϕ33Gasket
11. Flexible connection to UV screw
12. Flexible conneding to UV
13. Sealing ring
14. Flexible connection to UV
15. ϕ48 Gasket
16. Branch current bobbin
17. Branch current connection
18. Branch current connection to cover
19. Output gateway screw
20. ϕ80 Gasket
21. Output gateway
22. Transform sleeve
23. Chest
24. Sealing line

BREAK-DOWN FIGURE OF FISH POOL FILTER 50 IIA



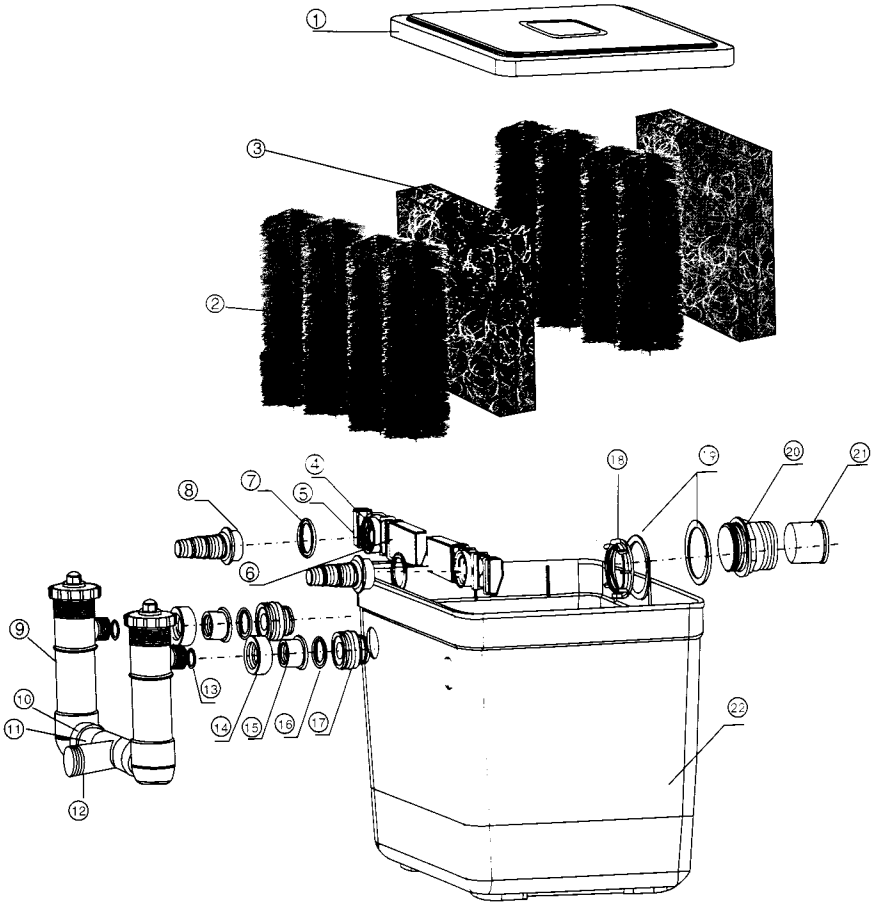
1. Panel
2. Filter brush
3. Filter Foam
4. Fastening shaft screw
5. ϕ28Gasket
6. Fasfening shaft
7. Ultra violet
8. Input gateway
9. ϕ33Gasket
10. Flexible connection to UV screw
11. Flexible conneding to UV
12. Sealing ring
13. Flexible connection to UV
14. ϕ48 Gasket
15. Branch current bobbin
16. Branch current connection
17. Branch current connection to cover
18. Output gateway screw
19. ϕ80 Gasket
20. Output gateway
21. Transform sleeve
22. Chest

BREAK-DOWN FIGURE OF FISH POOL FILTER 50 IB



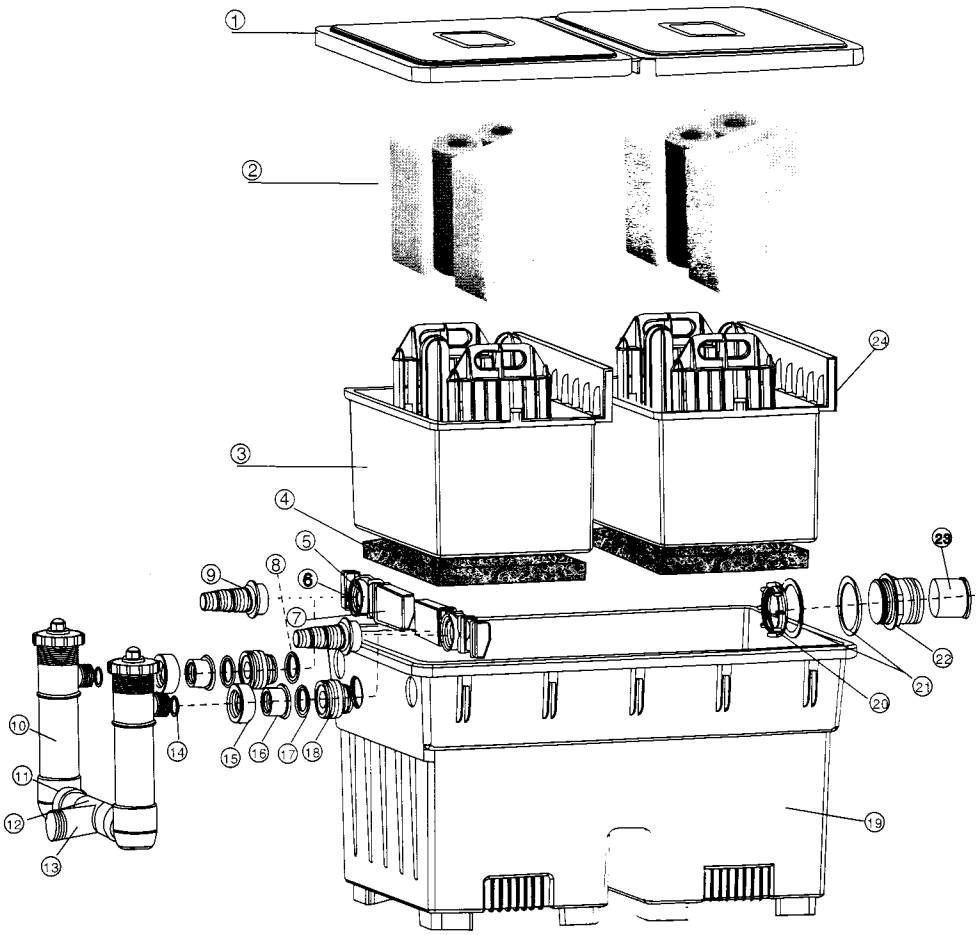
1. Panel
2. Filter Foam
3. Inner Barrel
4. Filter Pad
5. Diffluence Joint
6. Cap of Diffluence Joint
7. Diffluence Tube
8. ϕ48Seal Ring
9. Water Inlet (spare)
10. Germicidal Lamp
11. ϕ33 Water Inlet
12. ϕ31 Green Tube
13. Reducer Tee
14. ϕ33 Gasket
15. Loose Joint Nut
16. Loose Joint Cover
17. Seal Ring
18. Loose Joint
19. Box
20. Water Outlet Nut
21. ϕ80Gasket
22. Water Outlet
23. Shift Cover
24. Sealing Strip

BREAK-DOWN FIGURE OF FISH POOL FILTER 50 IIB



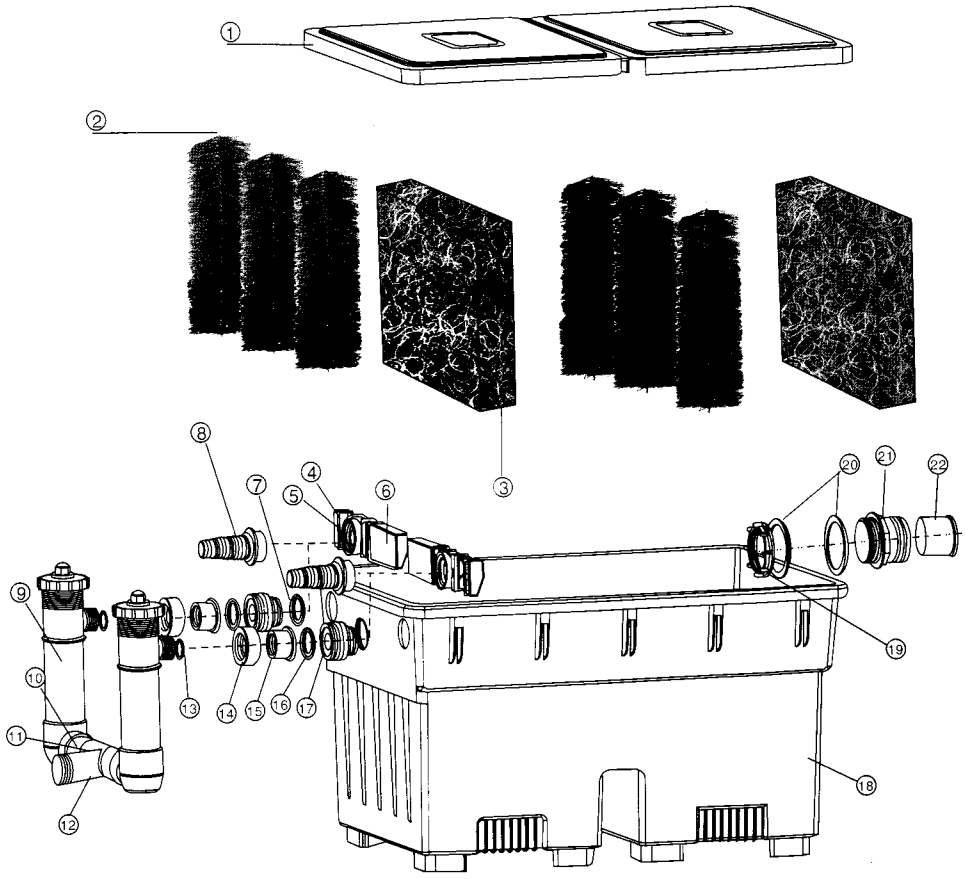
1. Panel
2. Filter brush
3. Filter Foam
4. Branch current
5. Branch current connection
6. Branch current bobbin
7. ϕ48Gasket
8. Input gateway
9. Ultra violet
10. ϕ33Gasket
11. ϕ31 Green Tube
12. Reducer Tee
13. ϕ33Gasket
14. Flexible connection to UV screw
15. Flexible conneding to UV
16. ϕ48 Gasket
17. Flexible connection to UV
18. Output gateway screw
19. ϕ80Gasket
20. Output gateway
21. Transform sleeve
22. Chest

BREAK-DOWN FIGURE OF FISH POOL FILTER 100 l



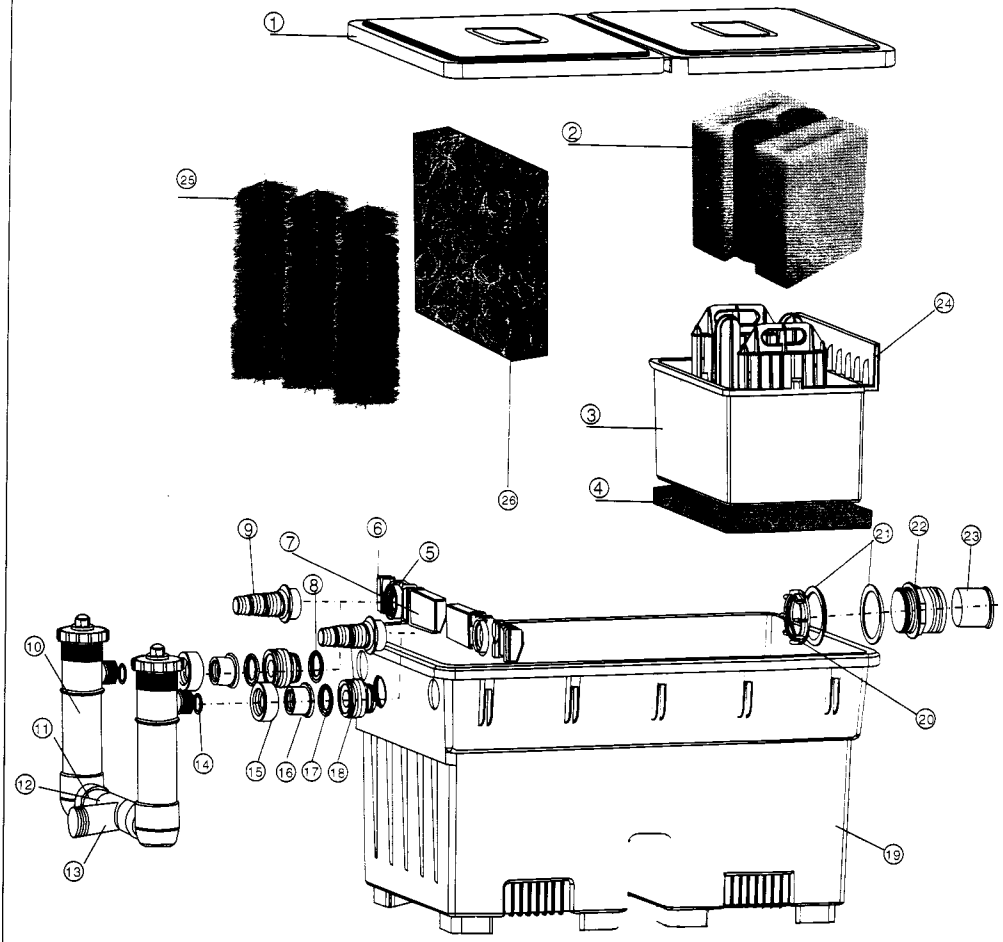
1.Panel
2.Filter Foam
3.Inner Barrel
4.Filter Pad
5. Diffluence Joint
6. Cap of Diffluence Joint
7. Diffluence Tube
8. ϕ48Gasket
9. Water Inlet (spare)
10. Germicidal Lamp
11. ϕ33 Water Inlet
12. ϕ31 Green Tube
13. Reducer Tee
14. ϕ33Gasket
15. Loose Joint Nut
16. Loose Joint Cover
17. Seal Ring
18. Loose Joint
19.Box
20.Water Outlet Nut
21. ϕ80Gasket
22.Water Outlet
23.Shift Cover
24. Sealing Strip

BREAK-DOWN FIGURE OF FISH POOL FILTER 100 II



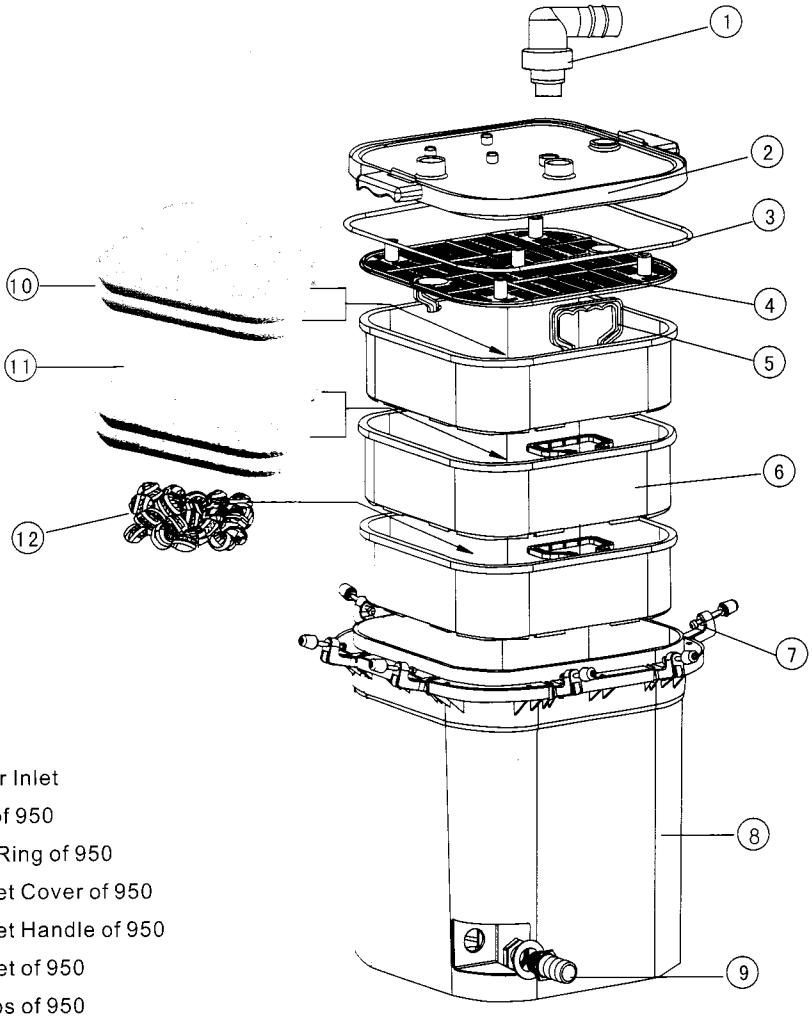
1. Panel
2. Filter Brushes
3. Filter Pad
4. Cap of Diffluence Joint
5. Diffluence Joint
6. Diffluence Tube
7. ϕ48Gasket
8. Water Inlet
9. Germicidal Lamp
10. ϕ33 Water Inlet
11. ϕ31 Green Tube
12. Reducer Tee
13. ϕ33Gasket
14. Loose Joint Nut
15. Loose Joint Cover
16. Seal Ring
17. Loose Joint
18. Box
19. Water Outlet Nut
20. ϕ80Gasket
21. Water Outlet
22. Shift Cover

BREAK-DOWN FIGURE OF FISH POOL FILTER 100 III



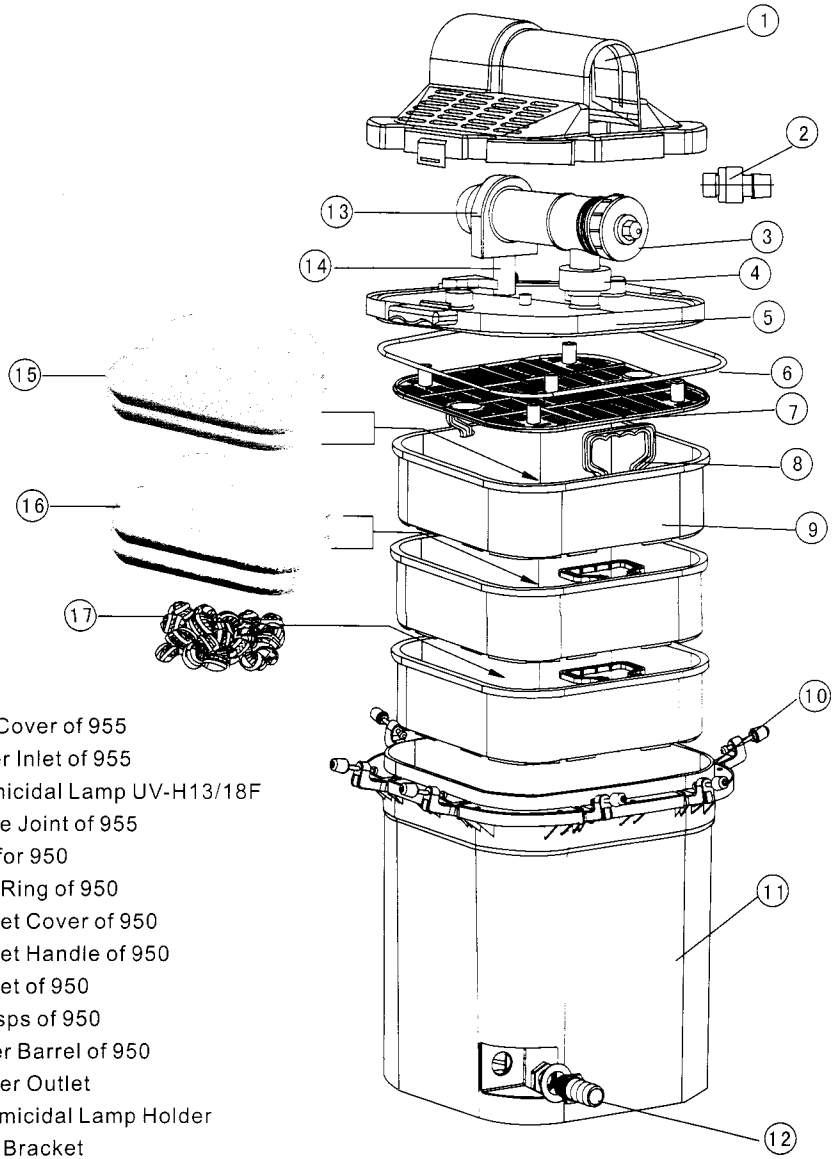
1.Panel
2.Filter Foam
3.Inner Barrel
4.Filter Pad
5. Diffluence Joint
6. Cap of Diffluence Joint
7. Diffluence Tube
8. ϕ48Gasket
9. Water Inlet (spare)
10. Germicidal Lamp
11. ϕ33 Water Inlet
12. ϕ31 Green Tube
13. Reducer Tee
14. ϕ33Gasket
15. Loose Joint Nut
16. Loose Joint Cover
17. Seal Ring
18. Loose Joint
19 Box
20 Water Outlet Nut
21 ϕ80Gasket
22 Water Outlet
23. Shift Cover
24. Sealing Strip
25. Filter Brush
26. Filter Pad

BREAK-DOWN FIGURE OF FISH POOL FILTER 953



1. Water Inlet
2. Cap of 950
3. Seal Ring of 950
4. Basket Cover of 950
5. Basket Handle of 950
6. Basket of 950
7. Clasps of 950
8. Filter Barrel of 950
9. Water Outlet
10. Big-pore Foam (blue) of 955
11. Medium-pore Foam (brown) of 955
12. Φ33 Bio-ball

BREAK-DOWN FIGURE OF FISH POOL FILTER 955



1. Top Cover of 955
2. Water Inlet of 955
3. Germicidal Lamp UV-H13/18F
4. Loose Joint of 955
5. Cap for 950
6. Seal Ring of 950
7. Basket Cover of 950
8. Basket Handle of 950
9. Basket of 950
10. Clasps of 950
11. Filter Barrel of 950
12. Water Outlet
13. Germicidal Lamp Holder
14. 955 Bracket
15. Big-pore Foam (brown) of 955
16. Medium-pore Foam (blue) of 950
17. ϕ33 Bio-ball

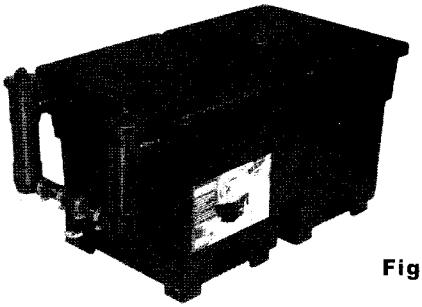


Figure1

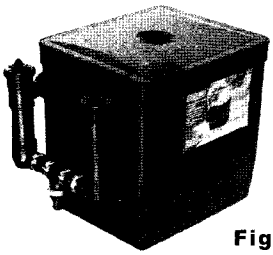


Figure3

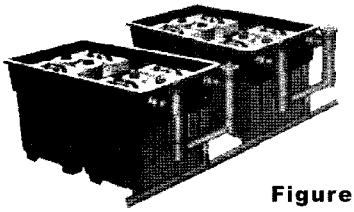


Figure2

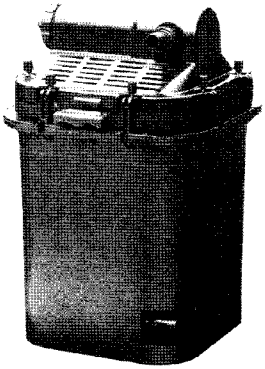


Figure4

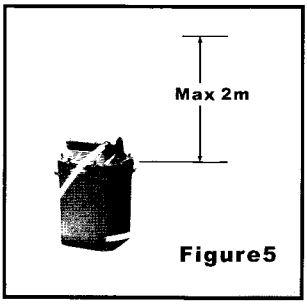


Figure5

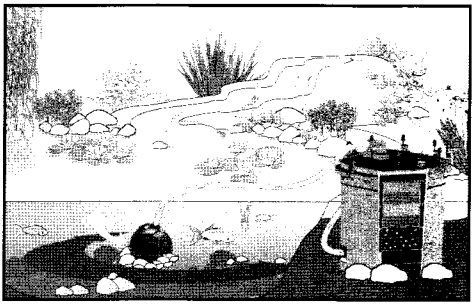


Figure 6

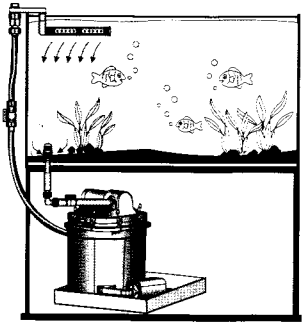


Figure 7

FEATURES OF FILTER 50, 100

1. Efficient purification function Filtration begins with UV sterilization, a necessary step for more effective purification.
2. Super powerful biological filtration of large capacity, with multicell water supply. Modular structure for easy installation and maintenance.
3. Safe and durable, with plastic casing of UV stability.

PARAMETERS OF FILTER 50, 100

These series of products are applicable to garden pool and fancy carp pool.

Bio-Filters	50 I	50 II	100 I	100 II	100 III
Dimension (LxWxH) mm	490x410x470	490x410x470	790x410x470	790x410x470	790x410x470
Maximum Flow (L/h)	9000	9000	9000	9000	9000
Water Inlet	1"~1 1/2" 25~38mm	1"~1 1/2" 25~38mm	1"~1 1/2" 25~38mm	1"~1 1/2" 25~38mm	1"~1 1/2" 25~38mm
Water Outlet	Φ69mm	Φ69mm	Φ69mm	Φ69mm	Φ69mm
Filter Pad	1	2	2	2	2
Blue Filter Foam (pcs)	2	—	4	—	2
Brown Filter Foam (pcs)	2	—	4	—	2
Filter Brush	—	8	—	18	9
Applicable Fish Pool (m^3)	6.5	5	18	10	16
Applicable Decorative Pool (m^3)	10	8	30	18	25
Connected UV Germicidal Lamp (W)	A: UV-H24 1PCS; B: UV-H13 2PCS	A: UV-H24 1PCS; B: UV-H13 2PCS	UV-H24 2PCS	UV-H24 2PCS	UV-H24 2PCS

Parallel connection of filters enhance filtration effect greatly. (As Figure 2.)

Bio-System	2xBio-Filter 100 4xUV-H24		Bio-System 2	3xBio-Filter 100 6xUV-H24	
	Decorative Pool	Fish Pool		Decorative Pool	Fish Pool
AP5800	$45m^3$	$33m^3$	AP5800	$60m^3$	$45m^3$

● Water outlet of the filter should be higher than surface of pool water.

FEATURES FILTER SERIES 953, 983, 955, 985

1. Brand-new pressure filter series with efficient purification.
2. Super powerful biological filtration of large capacity.
3. Multi-functional secured under/above water level at pool side, supplying and filtering water as well to watercourse or waterfall.

PARAMETRES OF SERIES 953, 983, 955, 985

These series of products are applicable to garden pool and fancy carp pool.

Model Nos.	953	983	955	985
Dimension (LxWxH) mm	368X400X501	368X400X664	368X400X550	368X400X713
Water Inlet/Outlet	1"	1"	1"	1"
Capacity (L)	28L	43L	28L	43L
Blue Filter Foam (pcs)	2	3	2	3
Brown Filter Foam (pcs)	2	3	2	3
Biological Ball (Basket)	1	2	1	2
Connected UV Germicidal Lamp (W)	——	——	13W	13W
Applicable Fish Pool (m^3)	3	5	6	10
Applicable Decorative Pool (m^3)	4	6	9	18

- Maximum height between filter and outlet of water pipe should be 2 m.(As Figure 5)

SAFETY CAUTIONS

1. Before using the machine, make sure the power cable and plug are free of problem.
2. Make sure power voltage and frequency marked on the nameplate are the same as actual power supply.
3. An electric leakage protection device (with rated electric current of leakage less than 30mA) must be secured to the power supply.
4. The junction box should be secured to dry place without rain and water, and 2 meters at least away from the pool side.
5. The machine must be grounded reliably.

6. Cautions for Filter with UV Germicidal Lamp Inside: The uvradiation from the lamp is dangerous, it'll hurt eyes and skin. **NEVER TURN ON UV LAMP OUTSIDE THE SHIELDING!**
7. The pump must be started first before starting the filter with germicidal inside.
8. Do not pull the power cable to lift the pump or germicidal lamp.

OPERATION STEPS

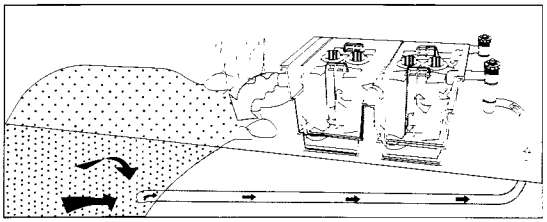
Series 50 and 100 are filtration systems under normal pressure, yet Series 953, 983, 955, 985 are enclosed pressure filtration systems. Both are applicable for biological and physical filtration of pool water.

1. Place the filter on a steady platform, connect all hose as Figure 1.
2. Within 30-60 minutes after the pump runs, check if there is water leakage. If water leaks so mewhere, reinstall or seal up the place until no leakage is found.
3. Power on UV lamp.

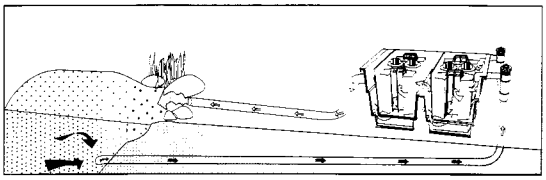
NOTE:

1. After 2~3 weeks of running, biological purification of the new pressure filter will be the most effective. Bacteria becomes active when water temperature is over 10C.
2. This filter is driven by the pump, and powered on/off by plugging in/out.

OPERATION METHODS



A:Used at pool side. (As Figure 6.)

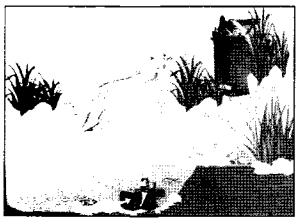


B.Placed under shelter, and drain through pipe.

(As Figure 7.)

Figures -Fish Pool Filter Serie 955

(Figure 8)



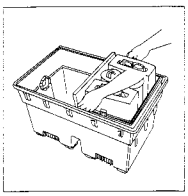
(Figure 9)

MAINTENANCE OF THE FILTER

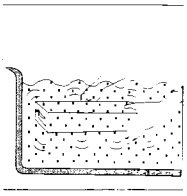
Filter media and diffluence tube of Series 500 and Series100 must be checked and cleaned regularly, to avoid the dirt blocking water flow. Usually, the filter will be cleaned every 45 days, or when the water is found dirty. Do not use detergent to clean the filter.

A. MAINTENANCE OF THE FILTER SERIES 50, 100

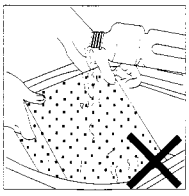
1. Pull out plug of UV germicidal lamp.
2. Turn off the pump.
3. Pull apart 2 clasps of the barrel inside the filter and lift it out.
4. Take out filter media and wash them with tap water.
5. Wash also the inner barrel, diffluence tube and the filter body.
6. It's unnecessary to replace all filter media at one time. You can replace them separately within 2~3 weeks.



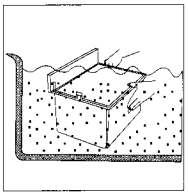
1.Pull apart 2 clasps of barrel inside the filter and lift it out.



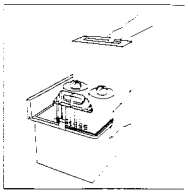
2.Take out filter foam and wash them.



3.Do not use detergent, soap to wash filter foam and filter pad.



4.Wash inner barrel, diffluence tube and filter body.



5.It's unnecessary to replace all filter media at one time. You can replace them separately within 2~3 weeks.

B. MAINTENANCE OF THE FILTER SERIES 953, 983, 955, 985

1. Pull out plug of UV germicidal lamp.
2. Turn off the pump.
3. Pull away the hose jointed to the filter. Turn loose the knob, remove the cover away from the filter bucket.
4. Lift filter basket from the bucket, wash filter foam, bio-ball and filter barrel with water. (As Figure 11, 12, 13.)
5. It's unnecessary to replace all filter media at one time. You can replace them separately within 2~3 weeks.

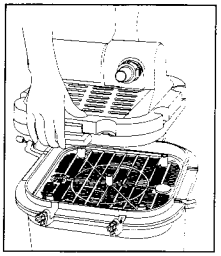


Figure 10

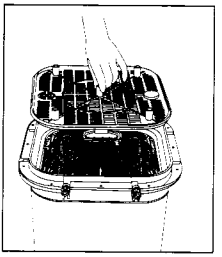


Figure 11

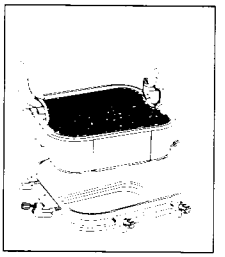


Figure 12

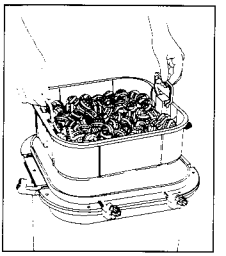
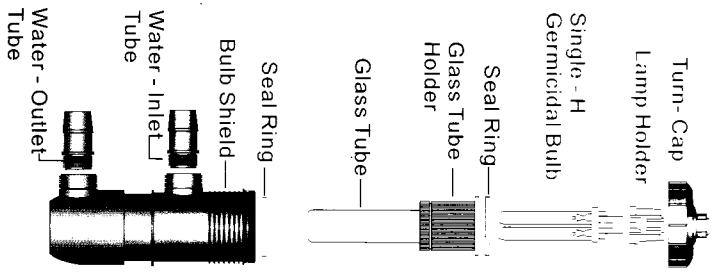


Figure 13

MAINTENANCE OF GERMICIDAL LAMP

The germicidal lamp should be checked and cleaned regularly. Normally, the silicon tube should be cleaned every 60 days.

1. Pull out plug of UV germicidal lamp.
2. Turn off the pump.
3. For Filter Series 955 or 985, remove water outlet first, then remove top cover at certain angle. (As Figure 14, 15, 16.)
4. Turn loose the joint and holder fixing the lamp to remove it. (As Figure 17. 18.)
5. Turn loose the cap of germicidal lamp, take out silicon tube, wipe it with wet cloth.
6. Check if the UV bulb is damaged. To keep power of the germicidal lamp. UV bulb over 3,000 hours of service must be replaced.
7. Reinstall germicidal lamp step by step. Make sure the seal ring be placed well, less there will be electric leakage and the lamp will burn out.



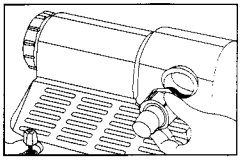


Figure 14

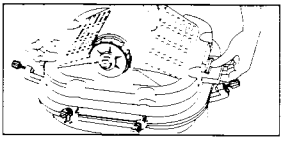


Figure 15

Figure 16

Figure 17

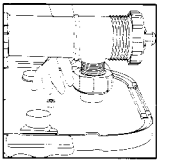


Figure 18

TROUBLE SHOOT

Troubles	Possible Causes	Solution
Water is dirty.	● The machine is newly used. ● Water is too dirty. ● Fish, etc. over grow. ● Filter foam is too dirty. ● Silicon tube is dirty.	● Bio-purification effects the best after 2~3 weeks use. ● Clean away algae and leaves in the pool,replace water. ● For reference, total length of fish in 1 cubic meter of pool water is 60 cm. ● Wash filter foam. ● Disassemble germicidal lamp to wash silicon tube.
No water from outlet tube.	● Pump not powered on. ● Loose joint of Hose to water outlet of the pump.	● Insert plug of pump to receptacle. ● Join Hose to water outlet tightly.
Filter Series 953, 983, 955, 985 water leaks at cap.	● Cap of Series 950 is loose. ● Too high pressure of pump.	● Turn the knob geometrically and tightly. ● The pump should be from the same manufactory and match the filter.
Series 50, 100 water in the box floods over inner barrel.	● Too long pipe connected to water outlet. Too less height between filter outlet and drainpipe outlet. ● Too much flow from pump. ● Too long not to clean filter.	● Use hose as short as possible. Keep enough height between filter outlet and drainpipe outlet. ● Secure a flow control at the hose conne cting filter and pump, or use pump from the same manufactory. ● Wash filter and filter media, or replace filter media if necessary.