

maux water technology Models(型号): P350 / P400 / P450 P500 / P650 / P700 (Link by Clamp type Valves 行夹缸头) FUNCTION 功能简介 The filter uses special filter sand to remove dirt particles from pool water. The filter sand is loaded into the filter tank and functions as a permanent dirt removing media. When the control valve is in the FILTER position, the pool water which contains suspended dirt particles, is pumped through your piping system and is automatically directed by the patented filter control valve to the top of the filter tank. As the pool water is pumped through the filter, dirt particles are trapped by the sand bed, and filtered out. The cleaned Pool water is returned from the bottom of the filter tank, through the control valve and back to the pool through the piping system. This entire sequence is continuous and automatic. It provides for total recirculation of pool water through your filter and piping System. After a period of time, the accumulated dirt in the filter causes a resistance to flow, and the flow diminishes. This means it is the time to clean your filter. With the control valve in the BACKWASH position, the water flow is automatically reversed through the filter so that it is directed to the bottom of the tank, up through the sand, flushing the previously trapped dirt and debris out the waste line. Once the filter is back-washed of dirt, set control valve to RINSE position and run pump for about 1/2 to 1 minute, and then set the control valve in the FILTER position, to resume normal filtering. NOTE: Turn pump off before changing valve position. 沙缸功能是把泳池水中的污物经过沙层的过滤后,使干净水重新回到泳池内,过滤用的沙是石英沙。而过滤程序是:首先是 缸头控制器上把手柄推向(FILTER)正常过滤,然后启动水泵,泳池水便透过水泵引入沙缸进水口,之后由进水中流到分水 器,再流入沙缸内,水经过沙的过滤流进缸的底部,再经过滤管进入过滤主管,水在管道中向上流往出水口,之后由管道系 统注入泳池中。

经过一段时间后累积的污物,会影响水的流量。这个时候便需要进行清洗沙缸。把缸头控制器上的手柄推向(BACKWASH)倒冲 洗,水流便由过滤主管进入,经缸底的过滤管排出,水流从底部向上升,把沙层内的污物排出。之后把控制器推向 (RINSE)清洗管内之污物从沙缸排出。大约半分钟或1分钟后,把手柄推向(FILTER)正常过滤。 注意:转换阀门位置时要先关掉水泵电源。

- INSTALLATION 安装说明

Only simple tools (screwdriver and wrenches), plus pipe sealant for plastic adapters, are required to install and service the filter. 1) The filter should be placed on a level concrete slab, very firm ground, or equivalent. Position the filter so that the piping connections, control valve are convenient and accessible for operation and service.

- 2) Loading the sand media. Filter sand media is loaded through the top opening of the filter. a) Loosen flange clamp and remove filter control valve (if previously installed). b) Cap internal pipe with plastic cap to prevent sand from entering it.
- c) We recommend filling tank approximately 1/2 way with water to provide a cushion effect when the filter sand is poured in. This helps protect the under-drain laterals from excessive shock.

d) Carefully pour in correct amount and grade of filter sand. (Be sure center pipe remains centered in opening.) Sand surface should be leveled and should come to about the middle of the filter tank. Remove plastic cap from internal pipe.

3) Assemble filter control valve to filter tank. a) Insert filter control valve (with O'ring in place) into the tank neck, taking care that the center pipe slips into the hole in the bottom of the valve. b) Place two plastic clamps around valve flange and tank flange and tighten just enough so that the valve may be rotated on tank for final

- positioning
- c) Carefully screw pressure gauge (with O'ring in place) into tapped hole in valve body. Do not over-tighten.
- d) Connect pump to control valve opening marked PUMP. After connections are made, tighten valve flange clamps with screwdriver, tapping
- around clamp with screwdriver handle to help seat valve flange clamp.





Height Diameter Valve Port Sand Model Size 直径 등 沙重 多向阀管径 mm mm 型号 В kg Α Inch 350 20 P350 726 1.5" P400 757 400 1.5" 35 P450 814 449 45 1.5 527 P500 845 1.5" 85 950 P650 635 1.5" 145 P700 1020 703 1.5" 210



INSTALL/START-UP OF FILTER 调试说明

1) Be sure correct amount of filter media sand is in tank and that all connections have been made and are secure.

2) Depress control valve handle and rotate to BACKWASH position. (To prevent damage to control valve seal, always depress handle before turning.) 3) Prime and start pump according to pump instructions (be sure all suction and return lines are open), allowing the filter tank to fill with water. Once water is flowing out of the waste line, run the pump for at least 1 minute. The initial back-washing of the filter is recommended to remove any impurities or fine

sand particles in the sand media. 4) Turn pump off and set valve to RINSE position. Start pump and operate until water in sight glass is clear, about 1/2 to 1 minute. Turn pump off and set

valve to FILTER position and restart pump. The filter is now operating in the normal filter mode, filtering dirt particles from the pool water. 5) Adjust pool suction and return valves to achieve desired flow. Check system and filter for water leaks and tighten connections, bolts, nuts, as required.

6) Note the initial pressure gauge reading when the filter is clean. (It will vary from pool to pool depending upon the pump and general piping system.) As the filter removes dirt and impurities from the pool water, the accumulation in the filter will cause the pressure to rise and flow to diminish. When the pressure gauge reading is 1.5 bar, higher than the initial "clean" pressure you noted, it is time to backwash the filter (see BACKWASH under filter and control valve functions)

NOTE: During initial clean-up of the pool water it may be necessary to backwash frequently due to the unusually heavy initial dirt load in the water.

1) 确定沙缸内的沙数量正确,同时所有管道系统连接妥当。

2)将阀门控制手柄压下再转向倒冲洗位置,为了防止阀门控制密封装置不受损坏,用阀门控制前一定要先压下手柄才转动。

3) 按照水泵程序起动(确定所有进水和出水管道是开启)给水进入沙缸。作为首次启动系统,水泵最少也运行一分钟,另外建 议最初先使用反冲洗功能,因为可以除去系统内的污垢或过滤沙中较细的粒子。

- 4)停水泵,同时沙缸头转向清洗及排出污物的位置。之后开水泵,直至清水镜的水清澈,大约半至一分钟,便停泵。这时沙缸 便进入正常过滤模式,把泳池水的污物过滤。
- 5)调节过滤系统适合的水流。然后再检查系统,沙缸和接合位置是否漏水,螺栓或螺母等是否妥当。
- 6) 当沙缸清洁时便摘录下压力表的读数。(读数的变化将会受泳池水泵和水管系统影响)。如沙缸过滤池水把污物留下,而 累积污物会造成压力上升和水流减慢。当压力表读数是1.5巴,相对比当初(清洁)记录要高,这时要使用反冲洗沙缸。(参 考反冲洗功能简介)。
- 注意: 在过滤系统启动初期,将要多次使用反冲洗功能,因为初期的泳池水一定有污垢,流入沙缸便会积聚较多污垢和微粒。



Notes:1* 89280105B is 1.5" Top Mount Valve in Black Colour

- 1* 89280105W is 1.5" Top Mount Valve in White Colour 2* 89280101B is 1.5" Union with Slight Glass, O-Ring in Black Colour
- 2* 89280101W is 1.5" Union with Slight Glass, O-Ring in White Colour 3* 89280102B is 1.5" Union Set (2 Pieces) with O-Ring in Black Colour

3* 89280102W is 1.5" Union Set (2 Pieces) with O-Ring in White Colour

REPLACEMENT PARTS OF MULTIPORT VALVE 多向阀组件位置图

项目	部件编号	中文	产品资料/说明	数量
Item	Part No.	Chinese	Product Description	Qty
1	01013003	大手柄	Handle (Big)	1
2	03018008	手柄固定销	Pin for Handle	1
3	01181001	大介子	Washer for Handle	1
4	89280107	M6×30 B头机丝连螺母	M6×30 Screw with Nut for Standard Lid	6
5	01013004	1.5"缸头标准面盖(黑色)	1.5"Top Mount Valve Standard Lid (Black)	1
6	02011002	面盖胶圈(A)	O-Ring for 1.5" Valve Lid	1
7	01181002	小介子	Washer for Spring	1
8	03014001	弹簧	Spring for 1.5" Top Mount Valve	1
9	02011022	分水器胶圈	O-Ring for 1.5" Valve Rotor	2
10	01021001	1.5"分水器连胶圈	1.5" Valve Rotor with O-Ring	1
11	02311002	止水胶圈	Spider Gasket	1
12	E190147	1.5"缸头身(行夹)(黑色)	1.5"Body with Diffuser (Black)	1
13	02011001	胶圈	O-Ring for Diffuser	1
14	02020013	胶圈	O-Ring for 1.5"Connector	3
15	01013015	1.5"外牙头(黑色)	1.5"Connector (black)	3
16	02011003	胶圈	O-Ring for 1.5"Union	3
17	01171153	1.5"公英制管接头	1.5"Union (A/E)	2
18	01013017	1.5"螺母(黑色)	1.5"Union Nut (black)	3
19	01041002	透明管(短)	1.5" Union With Sight Glass (short)	1
20	01172026	1.5"公英制刁套	1.5" Union With Sight Glass Holder	1
21	89280120	扭制附件连胶圈	Drain Plug Fitting with O-ring	1
22	89021307	扭制连胶圈	Drain Plug with O-ring	1
23	06021013	底出胶表连胶圈(40psi)	Plastic Pressure Gauge With O-Ring (40psi)	1



件编号	中文	产品资料/说明	数量
rt No.	Chinese	Product Description	Qty
280105	1.5"标准顶出缸头	1.5" Top Mount Valve	1
280101	1.5"排污口(公英制共用)	1.5" Union With Sight Glass, O-Ring	1
280102	1.5"进出水口(活接)(公英制共用)	1.5" Union Set (2 Pieces) With O-Ring	2
021013	底出胶表(40psi)	Plastic Pressure Gauge With O-Ring (40psi)	1
11048	压力表牙套	Connector for Pressure Gauge/Stopper	1
021035	M6螺母	M6 Nut	2
010101	M6*50圆头机丝连螺母	Clamp Lock	2
011095	螺丝钉	Screw	2
011134	颈环胶圈	O-Ring for Filter Neck	1
14021	P350胶缸缸身	Filter Tank for P350	1
14022	P400胶缸缸身	Filter Tank for P400	1
14023	P450胶缸缸身	Filter Tank for P450	1
14024	P500胶缸缸身	Filter Tank for P500	1
14025	P650胶缸缸身	Filter Tank for P650	1
14026	P700胶缸缸身	Filter Tank for P700	1
011602	P350中心管连过滤芯	P350 Lateral Assembly with Center Pipe	1
11603	P400中心管连过滤芯	P400 Lateral Assembly with Center Pipe	1
011604	P450中心管连过滤芯	P450 Lateral Assembly with Center Pipe	1
011605	P500中心管连过滤芯	P500 Lateral Assembly with Center Pipe	1
011606	P650中心管连过滤芯	P650 Lateral Assembly with Center Pipe	1
011607	P700中心管连过滤芯	P700 Lateral Assembly with Center Pipe	1
72007	底管(115mm)	Laterals (115mm)	8
72008	底管(126mm)	Laterals (126mm)	8
11052	P350 沙缸底座	P350 Filter Base	1
11059	16-18寸 沙缸底座	16-18inch Filter Base	1
11062	21-28寸 沙缸底座	21-28inch Filter Base	1
011601	胶缸底排水	Water Drain Set	1
15006	1.5"砂质分流器	Sand Diverter (Black) for 1.5"	1







Models(型号): SP450 / SP500 / SP650 / SP700



FUNCTION 功能简介

The filter uses special filter sand to remove dirt particles from pool water. The filter sand is loaded into the filter tank and functions as the permanent dirt removing media. When the control valve is in the FILTER position, the pool water which contains suspended dirt particles, is pumped through your piping system and is automatically directed by the patented filter control valve to the top of the filter tank. As the pool waterispumped through the filter, dirt particles are trapped by the sand bed, and filtered out. The cleaned Pool wateris returned from the bottom of the filter tank, through the control valve and back to the pool through the piping system. This entire sequence is continuous and automaticandprovidesfortotalrecirculationofpoolwaterthroughyourfilterandpipingSystem. After a period of time the accumulated dirtin the filter causes are sistance to flow, and the flow diminishes. This means it is time to clean your filter. With the control valve in the BACKWASH position, the water flow is automatically reversed through the filters othat it is directed to the bottomofthetank, up through thesand, flushing the previously trapped dirt and debrisout the wasteline. Once the filteris back-washed of dirt, setcontrolvalvetoRINSEpositionandrunpumpforabout1/2to1minute,andthentofilter,toresumenormalfiltering.

NOTE: Turn pump off before changing valve position.

沙缸功能是把泳池水中的污物经过沙层的过滤后,使干净水重新回到泳池内,过滤用的沙是石英沙,过滤程序是:首先是缸头控制器上把手柄推向, (FILTER) 正常过滤然后启动水泵,泳池水便透过水泵引入沙缸进水口,之后由进水中流到分水器,再流入沙缸内,水经过沙的过滤流进缸的底 部,再经过滤管进入过滤主管,水在管道中向上流往出水口,之后由管道系统注入泳池中。 经过一段时间后累积的污物,会影响水的流量。这个时候便需要进行清洗沙缸。把缸头控制器上的手柄推向(BACKWASH)倒冲洗,水流便由过滤主 管进入,经缸底的过滤管排出,水流从底部向上升,把沙层内的污物排出。之后把控制器推向(RINSE)清洗管内之污物从沙缸排出。大约一至半分 钟后,把手柄推向(FILTER)正常过滤。

注意:转换阀门位置时要先关掉水泵电源。

INSTALLATION 安装说明

- Pipe sealant for plastic adapters are required to install and service the filter. 1) The filter should be placed on a level concrete slab, very firm ground, or equivalent. Position the filter so that the piping
- connections, control valve are convenient and accessible for operation and service. 2) Loading the sand media. Filter sand media is loaded through the top opening of the filter
- a) Place tow O'ring on the side of the filter tank and Connect control valve to the filter using pipes with unions and glues. (see the fig on page4).
- b) Loosen the Ring lock Nut by 2 handles and remove the valve.
- c) We recommend filling tank approximately 1/3 way with water to provide a cushion effect when the filter sand is poured in. This helps protect the under-drain laterals from excessive shock.
- d) Carefully pour in correct amount and grade of filter sand. Sand surface should be leveled and should come to about the middle of the filter tank.
- 安装和维修过滤器时,只需要简单的工具(螺丝刀和扳手),再加上用于塑料接头的管子密封胶。
- 1) 过滤器应该放置在平坦的水泥板上、很坚硬的地面或有相当条件的地方。为过滤器定位时要考虑到操作和维修时能易于接近和到 达连接管道和控制阀。
- 2) 填充沙子媒质。过滤沙是通过过滤器口放入的。
- a)在滤缸的侧面放上2个密封圈,并用带接头和粘合剂的管子把控制阀连接到过滤器上。(参见第4页的图)。
- b) 松开并移开过滤器顶盖。
- c) 我们建议在过滤缸内充入1/3量的水,以便当过滤沙被倒入时起到缓冲作用。这样有助于保护下排水底管不会遭受到过度的振动。
- d) 小心地倒入正确数量和等级的过滤沙。沙子的表面要抹平, 沙子应该聚集在滤缸的中间位置。



MAIN DIMENSION 基本尺寸

DIMENSION TABLE 尺寸表

11.342				
Model 型号	Height 高 mm A	Diameter 直径 mm B	Valve 阀门 inch	Sand 沙量 kg
SP450	730	455	1.5 "	45
SP500	770	535	1.5 "	85
SP650	850	635	1.5 "	145
SP700	960	710	1.5 "	210



INSTALL/START-UP OF FILTER 过滤器的安装 / 起动

- 1) Be sure correct amount of filter media sand is in tank and that all connections have been made and are secure.
- 2) Depress control valve handle and rotate to BACKWASH position. (To prevent damage to control valve seal, always depress handle before turning.)
- 3) Prime and start pump according to pump instructions (be sure all suction and return lines are open), allowing the filter tank to fill with water. Once water is flowing out of the waste line, run the pump for at least 1 minute. The initial back-washing of the filter is recommended to remove any impurities or fine sand particles in the sand media.
- 4) Turn pump off and set valve to RINSE position. Start pump and operate until water in sight glass is clear, about 1/2 to 1 minute. Turn pump off and set valve to FILTER position and restart pump. The filter is now operating in the normal filter mode, filtering dirt particles from the poolwater
- 5) Adjust pool suction and return valves to achieve desired flow. Check system and filter for water leaks and tighten connections, bolts, nuts, as required.
- 6) Note the initial pressure gauge reading when the filter is clean. (It will vary from pool to pool depending upon the pump and general piping system.) As the filter removes dirt and impurities from the pool water, the accumulation in the filter will cause the pressure to rise and flow to diminish. When the pressure gauge reading is 1.5 bar, higher than the initial "clean" pressure you noted, it is time to backwash the filter (see BACKWASH under filter and control valve functions).

NOTE: During initial clean-up of the pool water it may be necessary to backwash frequently due to the unusually heavy initial dirt load in the water.

1) 确定沙缸内的沙数量正确,同时所有管道系统连接妥当。

- 2) 将阀门控制手柄压下再转向倒冲洗位置,为了防止阀门控制密封装置不受损坏,用阀门控制前一定要先压下手柄才转动。
- 3) 按照水泵程序起动(确定所有进水和出水管道是开启)给水进入沙缸。作为首次启动系统,水泵最少也运行一分钟,另外建 议最初先使用反冲洗功能,因为可以除去系统内的污垢或过滤沙中较细的粒子。
- 4)停水泵,同时沙缸头转向清洗及排出污物的位置。之后开水泵,直至清水镜的水清澈,大约半至一分钟,便停泵。这时沙缸 便进入正常过滤模式,把泳池水的污物过滤。
- 5)调节过滤系统适合的水流。然后再检查系统,沙缸和接合位置是否漏水,螺栓或螺母等是否妥当。
- 6)当沙缸清洁时便摘录下压力表的读数。(读数的变化将会受泳池水泵和水管系统影响)。如沙缸过滤池水把污物留下,而 累积污物会造成压力上升和水流减慢。当压力表读数是1.5巴,相对比当初(清洁)记录要高,这时要使用反冲洗沙缸。(参 考反冲洗功能简介)。
- 注意: 在过滤系统启动初期,将要多次使用反冲洗功能,因为初期的泳池水一定有污垢,流入沙缸便会积聚较多污垢和微粒。



PARTS OF VALVE 缸头组件图

Item	Part No.	Description	
编号	产品编号	产品名称	
1	01013002	Handle (Small)	手柄(小)
2	03018008	Pin for Handle	手柄销子
3	01181001	Washer for Handle	手柄垫圈
4	89280107	M6 x 30 Screw with Nut for Standard Lid	M6*30带螺母的螺钉
5	01013154	1.5" Top/Side Mount Valve Standard Lid	1.5寸侧装阀门标准盖
6	02011022	O-Ring for Valve Rotor	1.5寸阀芯密封圈
7	01181002	Washer for Spring	弹簧垫圈
8	02011002	O-Ring for 1.5" Valve Lid	1.5寸阀门盖密封圈
9	03014001	Spring	弹簧
10	01021001	1.5" Valve Rotor	1.5寸阀芯
11	02311002	Spider Gasket	星形垫片
12	430129058	Bottom Body (Black)	阀门体(黑色)
13	06021002	Plastic Pressure Gauge with O-ring	塑料压力表连胶圈 (40psi)
14	02020013	O-Ring	密封圈
15	01013018	1.5" Union Tale (Black)	1.5寸带牙接头(黑色)
16	01013017	1.5" Union Nut (Black)	1.5寸螺母(黑色)
17	01013116	1.5" Elbow Tube (Black) 125mm	1.5寸弯管(黑色)125mm
18	01171002	1.5" Union Adaptor (Metric)	1.5寸接头(公制)
19	01013015	1.5" Connector (Black)	1.5寸外牙接头
20	02011003	O-Ring for 1.5" adaptor	1.5寸接头密封圈
21	01171153	1.5"Union (A/E)	1.5寸管接头
22	01041002	1.5" Union with Sight Glass (Short)	1.5寸透明管
23	01172026	1.5" Union with Sight Glass Holder	1.5寸刁套
24	919305061	MPV01/MPV03 Upper part	MPV01/MPV03缸头上部



Description		
产品名称		数量
/alve with O-ring	排气阀连胶圈	1
ure Gauge With O-Ring	塑料压力表连胶圈 (40psi)	1
tting with O-ring	压力表牙套连胶圈	1
rent)	盖子(透明)	1
	M6螺母	2
	螺丝	2
	夹式锁制	2
lter Neck	颈环胶圈	1
ank with base	SP450缸身连底座	1
ank with base	SP500缸身连底座	1
ank with base	SP650缸身连底座	1
ank with base	SP700缸身连底座	1
inner tank system	S/SP450缸内系统	1
inner tank system	S/SP500缸内系统	1
inner tank system	S/SP650缸内系统	1
inner tank system	S/SP700缸内系统	1
tem Support	1.5寸缸系统支架	1
imm)	底管(115mm)	8
omm)	底管(126mm)	8
nlet & outlet	进出水口胶圈	2
unt Valve (Black)	1.5寸侧装阀门	1
Set	排水套件	1
ter Base	16-18寸沙缸底座	1
ter Base	21-28寸沙缸底座	1

