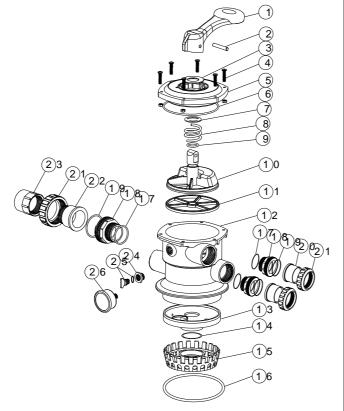
tem	Pa <b>t</b> No	Description	Q ty	
1	01013003	Hadle(Bg)	1	
2	03018008	Pin forHadle	1	
3	01181001	Waberfor Hadle	1	
4	89280107	M6×30 Screw with NutforStandadtLid	6	
5	01013004	1.5 "Top MountVavelStandaotLid (Baok)	1	
6	02011002	O-Ring for 1.5 "V avel Lid	1	
7	01181002	Waber for Spring	1	
8	03014001	Spring for 1.5 "Top Mount Vave	1	
9	02011022	O-Ring for1.5" V avel Rotor	2	
10	01021001	1.5" V ave Rotor	1	
11	02311002	SpiderGakset	1	23
12	01013007	1.5"Top Mount Vavel Bottom BodyCalmp(back)	1	(2)122(191) (2)122(191)
13	01013011	1 5" D iffuser	1	
14	02011001	O-Ring for Diffuser	1	
15	01013012	1.5 "Top Mount Vave Over Dnani Diffuser	1	
16	02011134	O-R ng	1	
17	02020013	O-Ring for 1.5 "Connector	3	
18	01013015	1.5"Connector(bak)	3	(2)6
19	02011003	O-Ring for 15"Union	3	
20	01171153	15"Unbn(AR)	2	
21	01013017	1.5"Union Nut(baok)	3	$\mathbf{Q}^{p}$
22	01041002	1.5"Un b n With Sigh tG ka s (hsort)	1	
23	01172026	1.5"Un bin With Sight G ta sHobler	1	
	01111048	Connector forpressure gauge/stopper	1	
24	02011139	Connector forpressure gauge/stopper	1	



Valve Position	Function
FILTER	Normal Filtration and Vacuuming
BACKWASH	Cleaning Filter by reversing the flow
RINSE	Used after backwash to flush dirt from valve
WASTE	By-passes filter, used for vacuuming to waste or lowering water level
RECIRCULATE	By-passes filter for circulating water to pool
CLOSED	Shuts off all flow to filter or pool

### WARNING

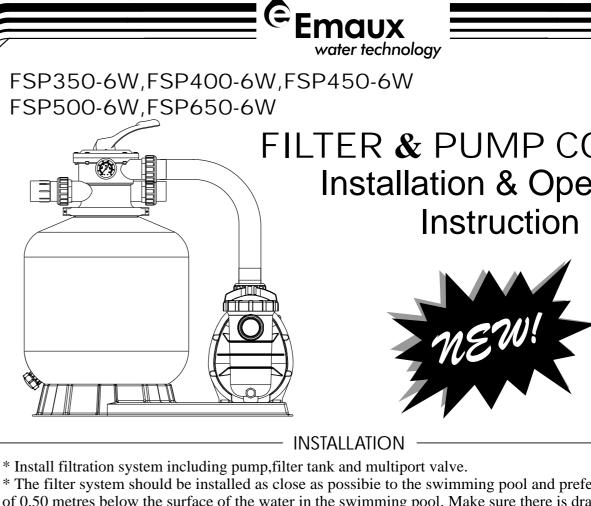
maux

water technology

THIS FILTER OPERATES UNDER HIGH PRESSURE. WHEN ANY PART OF THE CIRCULATING SYSTEM (e.g., CLAMP, PUMP, FILTER, VALVES, ETC.) IS SERVICED, AIR CAN ENTER THE SYSTEM AND BECOME PRESSURIZED . PRESSURIZED AIR CAN CAUSE THE LID OR VALVE TO BE BLOWN OFF WHICH CAN RESULT IN SEVERE INJURY, DEATH, OR PROPERTY DAMAGE TURN PUMP OFF BEFORE CHANGING VALVE POSITION.

TO PREVENT DAMAGE TO THE PUMP AND FOR PROPER OPERATION OF THE SYSTEM,

CLEAN PUMP STRAINER AND SKIMMER BASKETS REGULARLY. ▲ DO NOT UNSCREW SCREWS OF FLANGE CLAMP WHILE PUMP IS RUNNING.



\* The filter system should be installed as close as possible to the swimming pool and preferably at a level of 0.50 metres below the surface of the water in the swimming pool. Make sure there is drainage available at the place where the filter is to be installed. \* PUMP

1.Only qualified, licensed personnel should install pump and wiring. 2. Electrical Contractors Please Note: All 220 volt 60Hz pump must be wired to the main power supply trough an approved and correctly rated contractor.

3.Allow for gate valve in suction piping.

4.Pump suction and discharge connections have moulded in thread stops, do not try to screw pipe in beyond these stops.

\* FILTER TANK and MULTIPORT VALVE

1.Loading the sand media.Filter sand media is loaded through the top opening of the filter. a.Loosen the plastic clamps from tank neck.

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.

2.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 neck and tighten just enough so that the valve may Be rotated on tank for final positioning.

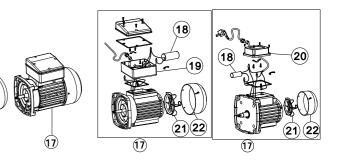
c.Carefully screw pressure gauge(with O'ring in place)into tapped hole in valve body.Do not over-tighten. d.Connect pump to control valve opening marked PUMP with hose. After connections are made, tighten clamps with screwdrive, tapping around clamp with screwdrive handle to help seat valve flange clamp. 3. Make return to pool pipe connection to control valve opening marked RETURN and complete other necessary plumbing connections, suction lines to pump, waste, etc. 4.To prevent water leakage, be sure all pipe connections are tight.

# FILTER & PUMP COMBO Installation & Operating

			water technology	r			W	a
	INS	STALL/ST	ART-UP OF FILTRATION			SS PUI	MP REF	Ľ
<ol> <li>Depr alway</li> <li>Prime Fill p to fill back-</li> <li>Turn 1/2 to norma</li> <li>Adjus conne</li> <li>Note pump filter initia valve</li> </ol>	ess control valve handle and ro s depress handle before turning.) e and start pump. Never tun pum pump with water before starting r l with water. Once water is flow- washing of the filter is recomme pump off and set valve to RINS o 1 minute. Turn pump off and set al filter mode, filtering dirt particles st pool suction and return valves ections, bolts, nuts, as required. the initial pressure gauge reading and general piping system.) As the will cause the pressure to rise and l "clean" pressure you noted, it functions).	tate to BA p dry! Ru notor. (be wing out of ended to re E position valve to F from the p to achieve g when the e filter ren flow to dir is time to	desired flow. Check system and filter for water leaks and tighten filter is clean. (It will vary from pool to pool depending upon the noves dirt and impurities from the pool water, the accumulation in the ninish. When the pressure gauge reading is 1.5 bar, higher than the backwash the filter (see BACKWASH under filter and control	() () () () () () ()				
NOTE:	During initial clean-up of the p heavy initial dirt load in the water.		it may be necessary to backwash frequently due to the unusually	Key NO .	PartNO.	PorductDescripino	QTY	Г
	5			Ney NO .				Ļ
					01201031	TransparentLid	1	╞
	RE	PLACE	/IENT PARTS OF FILTER	2	02011074	O-Rogfolid	1	╞
	1 1			3	01112051	Basket	1	-
ltme 1	PatNo. Desciption 88280105 1.5"TopMountValev	Q t y 1		4	01021064	SSPonpPoe-feirlt	1	4
2	89280101 1.5" un i owni tshi gight aOs fisi, gi	1		5	89280105	15" uino	2	-
3	89280102 1.5"Un i oSetW i tOh Rig	1		6	89022402	DrainP lgoWihtO'irog	1	4
4	06021001 PIasRneisosnerGaugeWit00n-Rigr(35psi) 01111048 Connectofonpessnergague	1		7	02011004	O-Rogfodifséru	1	4
5	89030204 HossedapwiotChRig	1		8	01111014	Di fséru	1	╇
6	02011026 SI eve fo Hose	2			01311023	Impel ISS6020 (220 V / 6H Z)	1	4
	89031501 FSP350-6W PIasHoisoweitNut 89031601 FSP400-6W PIasHoisoweitNut	1			01311024	Impel ISS033(220V/GHZ)	1	4
7	89031701 FSP450-6W PI a Shtoisonai tNut	1		9	01311015	Impel ISS£050 (220V/6HZ)	1	4
	89031801 FSP500-6W PIasHtoisoweitNut	1			01311016	mipel tSS6075(220V/6HZ)	1	1
8	89031901 FSP650-6W Plashtoisœri tNhut 01013049 Hosardapwriotmiut	1			01311017	lm pel l'SS£100 (220 V / 60H Z)	1	┶
9	02011104 O Rig fo p on p	1			01311018	lm pel l'SSS120 (220 V / 60H Z)	1	⊥
	08030044 SS020	1	P 3 5 0 6	10	89022403	M 8*16 Screw wihtwasher	4	$\downarrow$
	08030045 SS033	1		11	04015033	1/2: Mechaniad seal	1	
10	08030023 SS050 08030024 SS075	1		12	02011090	O-RogforFlnage	1	
	08030049 SS100			13	01021065	SSP on pFInage	1	
	08030050 SS120	1		14	03011035	M 6*30 Screw	8	
		2		15	02011156	MotorSligent fosS020,\$S033	1	
11	89032001 Pum p As smeb ISpcrew 89010119 M 6* 60 Screw sW i tNhut							_
11	89032001         Pump As small sporew           89010119         M 6* 6 Screw sW i tNhut           01271010         CI a pnLo dk	2						
	89010119 M 6* 6/Scnew sW i tNhut 01271010 ClapmLook 02011134 O Rigito FilrNieck	2 2 1						
12	89010119 M 6* 6/Scnew sW i tNhut 01271010 ClapmLook 02011134 O RigstonFilnNeck 01331005 P350 FilnTaenk	2 2 1 1					- PRIM	١N
12	89010119         M 6* 6/Scnew sW i tNhut           01271010         ClapmLook           02011134         O Rigsfor FilrNieck           01331005         P350 FilrTaenk           01331006         P400 Filrtekn	2 2 1 1 1 1						١N
12 13	89010119 M 6* 6/Scnew sW i tNhut 01271010 ClapmLook 02011134 O RigstonFilnNeck 01331005 P350 FilnTaenk	2 2 1 1			elease all	air from filter and piping s		IN
12 13 14	89010119         M 6* 6 Screw sW i thut           01271010         Clapn Look           02011134         O Rig fo FilrNeck           01331005         P350 FilrTeenk           01331006         P400 FilrTeenk           01331007         P450 Filrtekn           01331008         P500 Filrtekn           01331000         P450 Filrtekn           01331000         P450 Filrtekn           01331000         P650 Filrtekn	2 2 1 1 1 1 1		↓			system.	
12 13	89010119         M 6* 6 Screw sW i thut           01271010         Clapn Look           02011134         O Rig fo FilrNeck           01331005         P350 FilrTænk           01331006         P400 FilrTænk           01331007         P450 FilrTænk           01331008         P500 Filrtækn           01331008         P500 Filrtækn           01331010         P650 Filrtækn           01331010         P650 Filrtækn           01331010         P650 Filrtækn	2 2 1 1 1 1 1		◆ R ◆ I	n a flooded	l suction system (water so	system.	
12 13 14 15	89010119         M 6* 6 Screw sW i thut           01271010         ClapmLook           02011134         O Rig for FilrNeck           01331005         P350 FilrTneck           01331006         P400 Filrtneck           01331007         P450 Filrtneck           01331008         P500 Filrtneck           01331009         P500 Filrtneck           01331000         P500 Filrtneck           01331001         P650 Filrtneck           01331010         P650 Filrtneck           89011602         P350 Latmack smoble wit Olentneck           89011603         P400 Latmack smoble wit Olentneck	2 2 1 1 1 1 1		◆ R ◆ II ↓ d	n a flooded ischarge v	l suction system (water so alves are opened.	system. ource high	ier
12 13 14	89010119         M 6* 6 Screw sW i thut           01271010         Clapn Look           02011134         O Rig fo FilrNeck           01331005         P350 FilrTænk           01331006         P400 FilrTænk           01331007         P450 FilrTænk           01331008         P500 Filrtækn           01331008         P500 Filrtækn           01331010         P650 Filrtækn           01331010         P650 Filrtækn           01331010         P650 Filrtækn	2 2 1 1 1 1 1		◆ R ◆ II ↓ d	n a flooded ischarge v	l suction system (water so	system. ource high	ier
12 13 14 15	89010119         M 6* 6 Screw sW i thhut           01271010         CiapmLook           02011134         O Rigofo FilrNeck           01331005         P350 FilrTaenk           01331005         P350 FilrTaenk           01331005         P400 Filrtekn           01331007         P450 Filrtekn           01331008         P500 Filrtekn           01331010         P650 Filrtekn           01331010         P650 Filrtekn           89011602         P350 Latrae Assmeb lwyit tOent ePipe           89011603         P400 Latrae Assmeb lwyit Oent ePipe           89011604         P450 Latrae Assmeb lwyit Oent ePipe           89011605         P500 Latrae Assmeb lwyit Oent ePipe           89011606         P650 Latrae Assmeb lwyit Oent ePipe	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		<ul> <li>♦ R</li> <li>♦ In</li> <li>♦ If</li> </ul>	n a floodec ischarge v pump is n	d suction system (water so alves are opened. not in a flooded suction sys	system. ource high stem, unsc	ier rev
12 13 14 15	89010119         M 6* 6 Screw sW i thhut           01271010         ClapmLook           02011134         O Rigofo FilrNeck           01331005         P350 FilrTænk           01331006         P400 FilrTænk           01331007         P450 FilrTænk           01331008         P400 FilrTænk           01331007         P450 Filrtækn           01331008         P500 Filrtækn           01331010         P650 Filrtækn           01331010         P650 Filrtækn           89011602         P350 La træ As smeb lwyit Obent ePip e           89011603         P400 La træ As smeb lwyit Obent ePip e           89011604         P450 La træ As smeb lwyit Obent ePip e           89011605         P500 La træ As smeb lwyit Obent ePip e           89011604         P450 La træ As smeb lwyit Obent ePip e           89011604         P450 La træ As smeb lwyit Obent ePip e           89011604         P400-P450 La træ As smeb lwyit Obent ePip e           89011606         P650 La træ As smeb lwyit Obent ePip e	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 8		* R * In d * If * C	n a flooded ischarge v Fpump is n Flean and in	d suction system (water so alves are opened. not in a flooded suction sys nspect Ring; re-install on	system. ource high stem, unsc trap cove	ier rev er.
12 13 14 15 16 <u>17</u>	89010119         M 6* 6 Screw sW i thhut           01271010         CiapmLook           02011134         O Rigofo FilrNeck           01331005         P350 FilrTaenk           01331005         P350 FilrTaenk           01331005         P400 Filrtekn           01331007         P450 Filrtekn           01331008         P500 Filrtekn           01331010         P650 Filrtekn           01331010         P650 Filrtekn           89011602         P350 Latrae Assmeb lwyit tOent ePipe           89011603         P400 Latrae Assmeb lwyit Oent ePipe           89011604         P450 Latrae Assmeb lwyit Oent ePipe           89011605         P500 Latrae Assmeb lwyit Oent ePipe           89011606         P650 Latrae Assmeb lwyit Oent ePipe	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		* R * In d * If * C	n a flooded ischarge v Fpump is n Flean and in	d suction system (water so alves are opened. not in a flooded suction sys	system. ource high stem, unsc trap cove	ier rev er.
12 13 14 15 16	89010119         M 6* 6 Screw sW i thut           01271010         ClapmLook           02011134         O Rigofofil i Neck           01331005         P350 FilrTænk           01331005         P350 FilrTænk           01331006         P400 FilrTænk           01331007         P450 Filrtekn           01331008         P500 Filrtekn           01331010         P650 Filrtekn           01331010         P650 Filrtekn           89011602         P350 Latmæ Assmeblyvit (DentePipe           89011604         P450 Latmæ Assmeblyvit (DentePipe           89011605         P500 Latmæ Assmeblyvit (DentePipe           89011606         P650 Latmæ Assmeblyvit (DentePipe           89011606         P650 Latmæ Assmeblyvit (DentePipe           89011606         P650 Latmæ Assmeblyvit (DentePipe           89011608         P500-P450 Latmæ Assmeblyvit (DentePipe           89011608         P500-P450 Latmæ Assmeblyvit (DentePipe           89011608         P500-P450 Latmæ Assmeblyvit (DentePipe	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 8		* R * I d * If * C * R	n a flooded ischarge v pump is n lean and in eplace traj	d suction system (water so alves are opened. not in a flooded suction sys nspect Ring; re-install on	bystem. burce high stem, unsc trap cove wise to tig	ier rev er. ght



## PLACEMENT PARTS



	-	
PartNO.	PorductDescripino	QTY
02011153	MotorSI genrf oSS050-S120	1
89022404	Motor support	1
89022201	MotorSS020 (220V/6HZ)	1
89022202	Motor SS033 (220V/6HZ)	1
89022203	M o to r SS050 (220V / 6H Z)	1
89022204	MotorSS075 (220 V/6HZ)	1
89022205	MotorSS100 (220V/6HZ)	1
89022206	MotorSS120 (220 V/6HZ)	1
04016009	CapaciotrfocSS050 Pomp	1
04016010	CapaciotrfocSS075Ponp	1
04016012	CapaciotrfocSS100 Pomp	1
04016030	CapaciotrfocSS020 Pomp	1
04016031	CapaciotrfocSS033Ponp	1
89022112	Cabl Box for SS050 - S120 Pon p	1
89022111	Cabl Box for SS020 - S033 Pon p	1
01031027	Cool <b>ig nína fo</b> SS050 - <b>S</b> 120 Pom p	1
01031026	Cool jonfnafocSS020- <b>S</b> 033Ponp	1
01031011	Fan Cov oe for SS020 - SO33 Pon p	1
01031010	Fan Cov ef oSS050-S120 P on p	1
02011104	O-Rog	2
	02011153 89022404 89022201 89022202 89022203 89022204 89022205 89022206 04016009 04016010 04016010 04016031 89022112 89022112 89022111 01031027 01031026 01031011	02011153         M o tor SI ger f oSS050- S120           89022404         M o tor support           89022201         M o tor SS020 (220V / GH Z)           89022202         M o tor SS033 (220V / GH Z)           89022203         M o tor SS050 (220V / GH Z)           89022204         M o tor SS050 (220V / GH Z)           89022205         M o tor SS050 (220V / GH Z)           89022206         M o tor SS100 (220V / GH Z)           89022206         M o tor SS100 (220V / GH Z)           89022206         M o tor SS100 (220V / GH Z)           89022206         M o tor SS100 (220V / GH Z)           04016009         Capaci otr f oSS050 P mp           04016010         Capaci otr f oSS050 P mp           04016011         Capaci otr f oSS020 P mp           04016030         Capaci otr f oSS033 P mp           89022112         Cab I Box f oSS050 - S120 P mp           04016031         Capaci otr f oSS020 - S033 P mp           89022112         Cab I Box f oSS050 - S120 P mp           01031027         Coo I g m a f oSS020 - S033 P mp           01031026         Coo I g m a f oSS020 - S033 P mp           01031011         Fan Cov ef oSS020 - S033 P mp           01031010         Fan Cov ef oSS050 - S120 P mp

## ING PUMP

ther than pump), pump will prime itself when suction and

crew and remove trap cover; fill trap and pump with water.

ighten cover.

mp should prime now. Priming time will depend on vertical suction piping.