

Flotide FSP 350 - 500

Flotide Pool Filtration Kit FSP 350-500 User Manual

Model: FSP 350 - 500

Brand: Flotide

1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your Flotide Pool Filtration Kit FSP 350-500. Please read this manual thoroughly before operating the unit to ensure safe and efficient performance. Keep this manual for future reference.

2. PRODUCT OVERVIEW

The Flotide Pool Filtration Kit FSP 350-500 is a complete, ready-to-connect filter system designed for pools up to approximately 20,000 liters. It features a blow-molded polyethylene filter tank with a top-mounted 4-way valve, a pressure gauge, and a centrifugal pump with an integrated pre-filter. All components are mounted on a sturdy base plate for easy installation.

Key Features:

- Compact and robust design with a mounting plate.
- Operating pressure up to 2 bar and max. +50 °C.
- Suitable for most private pools or jacuzzis.
- Transparent cover for clear visibility of the pre-filter.
- Integrated pressure gauge for dirt level monitoring.
- Equipped with a residual current device (RCD).



Figure 2.1: Overview of the Flotite Pool Filtration Kit FSP 350-500.

Filtersatz Typ FSP500 mit RCD Stecker

Maß: PE50 mm/1 1/2"

Anschluss: Metrisch

Arbeitsdruck: 2bar

Werkstoff: PE



Figure 2.2: Flotite Pool Filtration Kit showing key dimensions and material: PE50 mm/1 1/2" connection, Metric connection type, 2 bar working pressure, PE material.

3. SETUP AND INSTALLATION

Installation of the Flotite Pool Filtration Kit is designed to be simple and quick, facilitated by the included adhesive sleeves and the pre-mounted components on the base plate. Follow the diagrams carefully for proper assembly and connection.

Assembly Steps:

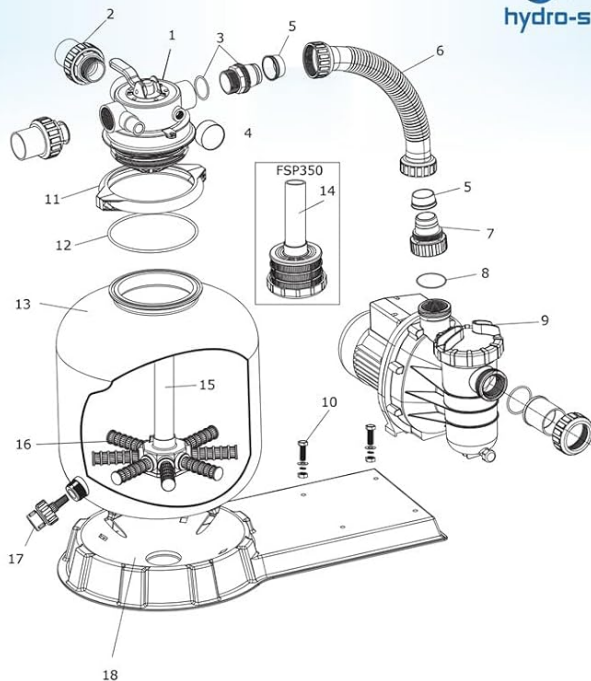
1. Place the filter tank and pump assembly on a stable, level surface near your pool.
2. Connect the pool's skimmer line to the pump inlet.
3. Connect the pump outlet to the filter tank inlet.
4. Connect the filter tank's return line to the pool's return jet.
5. Ensure all connections are secure and leak-free using the provided adhesive sleeves.
6. Fill the filter tank with the appropriate filter media (e.g., filter sand, not included).

7. Connect the power supply, ensuring the RCD is properly installed and functioning.



SPARE PARTS

Pool Filtration system FSP350 - FSP500



Pool Filtration system FSP350 - FSP500

NR.	DESCRIPTION	FOR FILTER SET	PART NR. INCLUDES	PART NR.
1	Multiport valve 1 1/2"		1	0891914
2	Union set with O-Ring		1	7009365
3	Hose adaptor with O-Ring		1	7009354
4a	Oil pressure gauge		1	7009341
4b	Connector for oil pressure gauge		1	7009306
5	Sleeve		2	7009330
6a	Hose with nut	FSP350	1	7009355
6b	Hose with nut	FSP400	1	7009356
6c	Hose with nut	FSP450	1	7009357
6d	Hose with nut	FSP500	1	7009358
7	Hose adaptor with nut		1	7009290
8	O-Ring		1	7009337
9a	Hydro-S Pool pump SS020	FSP350	1	0950094
9b	Hydro-S Pool pump SS033	FSP400	1	0950095
9c	Hydro-S Pool pump SS050	FSP450	1	0950099
9d	Hydro-S Pool pump SS075	FSP500	1	0950089
10	Pump Assembly Screw		2	
11	Clamp kit		1	7009347
12	O-Ring		1	7009338
13a	Filter Tank	FSP350	1	
13b	Filter Tank	FSP400	1	
13c	Filter Tank	FSP450	1	
13d	Filter Tank	FSP500	1	
14	Lateral assembly	FSP350	1	7011017
15a	Standpipe with hub	FSP400	1	
15b	Standpipe with hub	FSP450	1	
15c	Standpipe with hub	FSP500	1	
16a	Lateral 115mm	FSP400-FSP450	8	7009308
16b	Lateral 126mm	FSP500	8	7009309
17	Water drain set		1	7009346
18a	Combo Base	FSP350	1	
18b	Combo Base	FSP400-FSP450-FSP500	1	

Figure 3.1: Exploded view of the Flotite Pool Filtration Kit, showing various spare parts and their positions for assembly. This diagram is crucial for identifying components during setup and maintenance.

4. OPERATING INSTRUCTIONS

The 4-way valve on top of the filter tank controls the filtration process. Familiarize yourself with its positions for different operations.

Valve Positions:

- **FILTER:** Normal filtration mode. Water flows through the filter media and returns to the pool.
- **BACKWASH:** Cleans the filter media by reversing water flow. Used when the pressure gauge indicates high pressure.
- **RINSE:** Used after backwashing to flush dirty water from the valve and lines before returning to FILTER mode.

- **WASTE/DRAIN:** Bypasses the filter and sends water directly to waste, useful for vacuuming heavy debris or lowering pool water level.
- **RECIRCULATE:** Circulates water without filtering, useful for chemical distribution.
- **CLOSED:** Shuts off flow to the filter.

Always turn off the pump before changing the valve position to prevent damage.

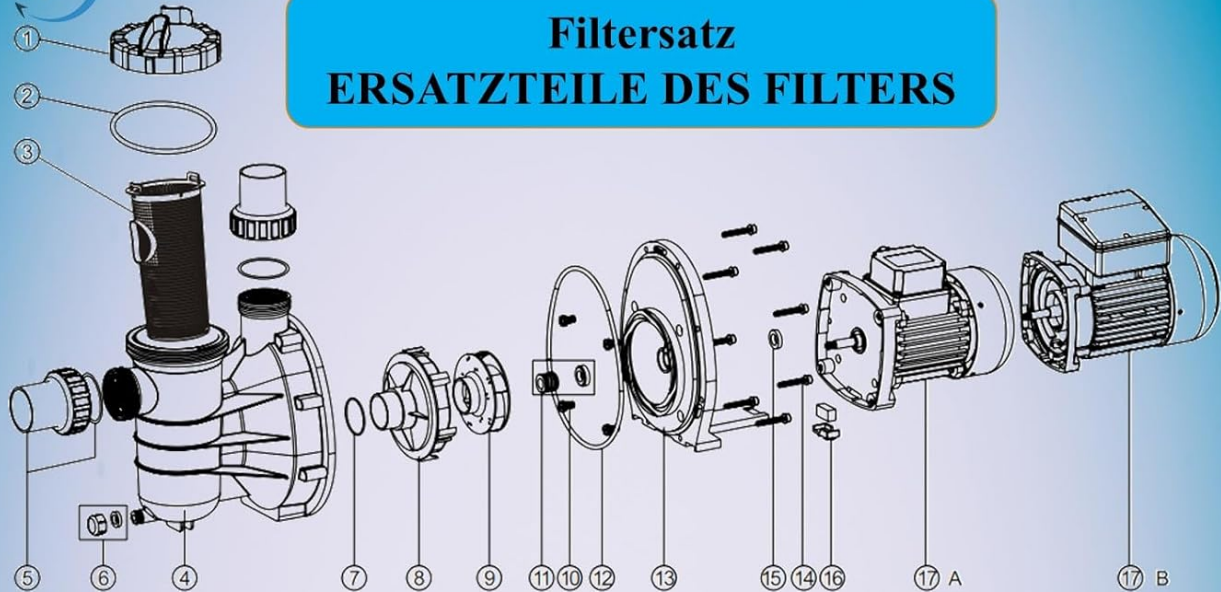
5. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your filtration system. The design allows for easy access to components for cleaning and inspection.

Routine Maintenance:

- **Monitor Pressure Gauge:** The integrated pressure gauge indicates when the filter media needs cleaning. When the pressure rises significantly above its clean operating pressure, it's time to backwash.
- **Backwashing:**
 1. Turn off the pump.
 2. Set the 4-way valve to "BACKWASH".
 3. Turn on the pump and run until the water in the sight glass (if present) runs clear (typically 2-3 minutes).
 4. Turn off the pump.
 5. Set the 4-way valve to "RINSE".
 6. Turn on the pump and run for 30-60 seconds.
 7. Turn off the pump.
 8. Set the 4-way valve to "FILTER".
 9. Turn on the pump to resume normal operation.
- **Pre-filter Cleaning:** The transparent cover on the pre-filter allows you to visually inspect its condition. If debris accumulates, turn off the pump, open the pre-filter lid (using the clamping ring closure), remove and clean the basket, then reassemble.
- **Winterization:** Before freezing temperatures, drain all water from the filter tank, pump, and plumbing lines. Store the pump in a dry, frost-free location.

Filtersatz ERSATZTEILE DES FILTERS



Item	Part No.	Description	Item	Part No.	Description
1	01041025	Transparent Lid	10	89022403	M8*16 Screw with washer
2	02011074	O-Ring for lid	11	04015002	1/2"Mechanical seal
3	01112051	Basket	12	02011090	O-Ring for Flange
4	01021064	SS Pump Pre-filter	13	01021065	SS Pump Flange
5	89021702	1.5"union	14	03011035	M6*30 Screw
6	89022402	Drain Plug With O'ring	15	02011156	Motor Slinger for SS020;SS033
7	02011004	O-Ring for diffuser	15	02011153	Motor Slinger for SS050-SS120
8	01111014	Diffuser	16	89022404	Motor support
9	01311015	Impeller SS020(230V/50Hz)	17	89022109	Motor SS020(230V/50Hz)
	01311016	Impeller SS033(230V/50Hz)		89022110	Motor SS033(230V/50Hz)
	01311017	Impeller SS050(230V/50Hz)		89022105	Motor SS050(230V/50Hz)
	01311018	Impeller SS075(230V/50Hz)		89022106	Motor SS075(230V/50Hz)
	01311019	Impeller SS100(230V/50Hz)		89022107	Motor SS100(230V/50Hz)
	01311014	Impeller SS120(230V/50Hz)		89022108	Motor SS120(230V/50Hz)

Figure 5.1: Detailed exploded view of the filter and pump components, including the transparent lid (Item 1), O-rings (Item 2, 4), basket (Item 3), and various pump parts. This diagram is useful for identifying parts during cleaning and replacement.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your Flotide Pool Filtration Kit.

Problem	Possible Cause	Solution
Low water flow / Poor filtration	Clogged filter media; Clogged pre-filter basket; Air leak in suction line; Low water level in pool.	Backwash filter; Clean pre-filter basket; Check all connections for leaks; Ensure adequate pool water level.

Problem	Possible Cause	Solution
High pressure gauge reading	Dirty filter media.	Perform a backwash and rinse cycle.
Water leaking from valve	Worn O-rings or gaskets; Valve not fully seated.	Inspect and replace O-rings/gaskets as needed; Ensure valve handle is firmly in position.
Pump not priming	Low water level; Air leak; Clogged suction line; Pump basket not full of water.	Ensure pool water level is adequate; Check for air leaks; Clear suction line; Fill pump basket with water before starting.

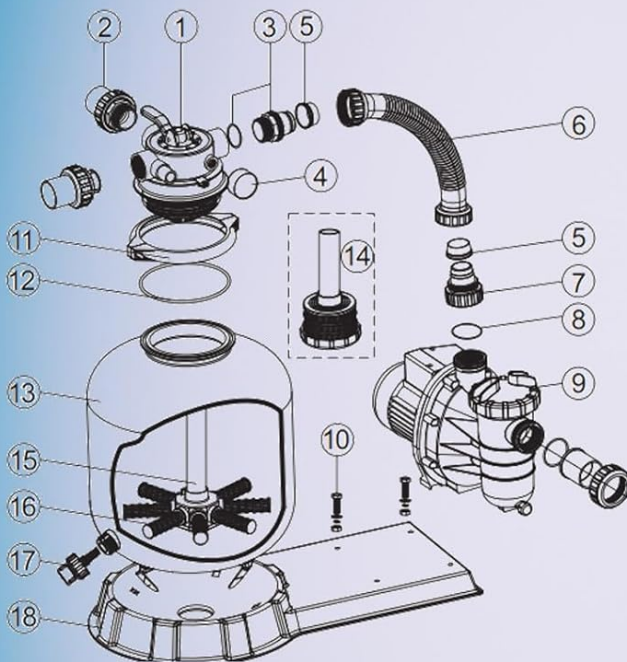
If you encounter issues not listed here or if solutions do not resolve the problem, please contact customer support.

7. SPECIFICATIONS

Detailed technical specifications for the Flotide Pool Filtration Kit FSP 350-500.

Attribute	Value
Product Dimensions (L x W x H)	72.6 x 35 x 72.6 cm
Model Number	FSP 350 - 500
Reference Product	0892590
Energy Type	Electric
ASIN	B0D14SM14Z
Manufacturer	Flotide
Max Flow (FSP500)	12000 l/h
Max Operating Pressure	2 bar
Max Operating Temperature	+50 °C

Filtersatz ERSATZTEILE DES FILTERS



Schlüssel-Nr.	Teil-Nr.	Produktbeschreibung	MENGE
1	88281205	1,5"-4-Wegemontil, oben montiert	1
2	89280102	15" Verbindungssatz mit O-Ring	1
3	89030204	Schlauchadapter mit O-Ring	1
4	06021013	Kunststoffdruckmesser mit O-Ring (40psi)	1
	01111048	Anschluss für Druckmesser	1
5	02011026	Hülse für Schlauch	2
	89030301	FSP350-4W Kunststoffschlauch mit Mutter	1
	89030401	FSP400-4W Kunststoffschlauch mit Mutter	1
	89030501	FSP450-4W Kunststoffschlauch mit Mutter	1
	89030601	FSP500-4W Kunststoffschlauch mit Mutter	1
	89030701	FSP650-4W Kunststoffschlauch mit Mutter	1
7	01013049	Schlauchadapter mit Mutter	1
8	02011104	O-Ring für Pumpe	1
	08030006	FSF350-4W Pumpe (SS020)	1
	08030007	FSP400-4W Pumpe (55033)	1
	08030008	FSP450-4W Pumpe (SS050)	1
	08030009	FSP500-4W Pumpe (55075)	1
	08030010	FSP650-4W Pumpe (55100)	1
10	89032001	Pumpenmontageschraube	2
	89010119	M6x50 Schrauben mit Mutter	2
	01271010	Klemmsperre	2
12	02011134	O-Ring für Filterhals	1
	01331005	P350 Filtertank	1
	01331006	P400 Filtertank	1
	01331007	P450 Filtertank	1
	01331008	P500 Filtertank	1
	01331010	P650 Filtertank	1
14	89011602	P350 Seitenteilbaugruppe mit Mittelrohr	1
	89011603	P400 Seitenteilbaugruppe mit Mittelrohr	1
	89011604	P450 Seitenteilbaugruppe mit Mittelrohr	1
	89011605	P500 Seitenteilbaugruppe mit Mittelrohr	1
	89011606	P650 Seitenteilbaugruppe mit Mittelrohr	1
16	01172007	P400-P450 Seitenteile (115mm)	8
	01172008	P500-P650 Seitenteile (126mm)	8
17	89011601	Wasserablaufsatz	1
	01111056	FSP350-4W Kombinationsbasis	1
	01111053	FSP400-4W - FSP650-4W Kombinationsbasis	1

Figure 7.1: Graph illustrating the technical performance data (Psi/Bar vs. Q(m³/h) / Q(LPM)) for various Flotide FSP series filters, including FSP500, FSP450, FSP400, and FSP350.

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support or spare parts inquiries, please contact the manufacturer or authorized service center.

Manufacturer: Flotide

ASIN: B0D14SM14Z

ASK A QUESTION ABOUT THIS MANUAL

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and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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