Makoswater
...nature is the key

Irrigation filters

The world's largest filters manufacturer

Since 1978, **ODIS IRRIGATION** develops, designs and manufactures a wide variety of water filters, and advanced water treatment solutions for Irrigation and Agriculture applications.

ODIS Filters are well known for their technology, quality, and efficiency. As a world leader Odis filters can be found in almost any country around the world.

ODIS provide a complete package:

- Automatic Self Cleaning filters
- Multi-Media Filters
- Filtration systems and Arrays
- Pre-Filters and sand separators
- Manual filters
- Manifolds and accessories

ODIS solutions are modular and flexible which makes it easy to adjust to each site specific needs. Our customers enjoy a well-developed global customer service that provides technical support, training and professional seminars.

ODIS products are well known for their long service life thanks to anti-corrosion protection coating, non-corrosive materials and our quality assurance procedures.

Research and Development

Our highly skilled team of engineers develops a broad range of patents and improvements which make our filters more efficient and reliable.

Based on our vast experience, we continuously work on developing new products, improving the existing ones and responding to future challenges.

The ODIS Group

ODIS IRRIGATION Ltd is part of the **ODIS** group of companies dealing with water and wastewater treatment for industrial, municipal and domestic applications.

The experience gathered within these companies enables **ODIS IRRIGATION** to offer better professional solutions.

Quality

ODIS products are designed and manufactured according to strict quality assurance standards including CE, ISO 9001, ISO 14001, NSF, and more.

Table of Contents

2 Company Profile

6 Map of Filtration Solutions

8 Gravel / Sand Filters
- Series 4000/4000A

Modular arrays

10 Hydrocyclone Sand Separators
- Series 5000

11 OdisMatic® Electric Filter
- Series 863A
- Series 862A

12 OdisMatic® Hydraulic Filter
- Series 851/851D
- Series 850
- Series 852A
- Series 853A

14 OdisMatic® Brush Filter
- Series 841B

16 Automatic Self Cleaning Screen Filters
- Series 8000
- Series 3000

17 Semi-Automatic Screen Filters
- Series 840/840B
- Series 842

18 Manual Screen Filters
- Series 1900
- Series 1000
- Series 2000
- Series 7000

20 Preliminary Suction Strainers
- Series 181
- Series 184

21 Gravity Screen Filter
- Series 188

Fertilizing Equipment
- Series 6000
- Series 653

22 Disc Filters
- Series 1500
- Series 1700
- Series 2500
- Series 2600
- Series 2100

23 Manifolds & Accessories

MAP OF FILTRATION SOLUTIONS

Use various Odis products to apply modular filtration systems, which provides the best solution for a variety of applications, according to water sources type and impurities characteristics.

ODIS Filters/ Solutions	Series	Sand (mainly in wells (According to sand quantities)) High	Sand (mainly in wells (According to sand quantities)) Low	Suspended Solids (According to dirt quantities) High	Suspended Solids (According to dirt quantities) Medium	Suspended Solids (According to dirt quantities) Low	Silt (Rivers, Lakes, Channels)	Algae & Organic Matter	Pre filtration or safety /control	Iron and Manganese	Protection of pumps and filtration equipment from stones, sticks, etc.	Waste Water Reuse (Wastewater after secondary treatment)	Fertilizing
Gravel / Sand filters	4000			◆	◆		◆	◆		◆		◆	
Hydrocyclones	5000	◆	❖				❖						
Odismatic® Electric Screen filters	863		❖	❖	◆	◆		❖				❖	
	862		❖	❖	◆	◆		❖				❖	
Odismatic® Hidraulic Screen filters	851		❖		◆	◆		❖				❖	
	850		❖		◆	◆		❖				❖	
	853		❖		◆	◆		❖				❖	
	852		❖		◆	◆		❖				❖	
Odismatic® Brush filters	841B				◆	◆			❖		❖		
Automatic Self Cleaning Screen filters	8000		❖			❖	❖		❖				
	3000		❖			❖			❖				
Semi-Automatic Screen filters	840					❖			❖				
	842					❖			❖				
Manual Screen Filters	1900					❖			❖				
	1000					❖			❖				
	2000					❖			❖				
	7000					❖		❖	❖				
Preliminary Suction Strainers	181								❖		❖		
	184								❖		❖		
Gravity Screen Filter	188	◆			◆	◆		◆					
Fertigation Pump	653												❖
Fertilizer Tank	6000												❖
Disc Filters	1500					❖			❖				
	1700					❖			❖				
	2500					❖			❖				
	2600					❖			❖				
Plastic Screen/Disc Filters	2100					❖			❖				

❖ recommended
◆ strongly recommended

For selection of filters and solutions that are not included in this table please contact ODIS

Gravel / Sand Filters

Series 4000/4000A

Most efficient for: filtration of water heavily contaminated with algae, organic matter and other impurities, such as in open reservoirs, rivers, and recycled water systems.

Advantages:

The filter is built of two chambers separated by a steel plate covered by "mushroom" diffusers, which increases the effectiveness of the filtration process. This unique design enables a very effective back-flushing and prevents the occurrence of channeling or caking.

A new design of models 4303A, 4363A, 4484A, 4604A improves the filtration quality and capacity due to larger filtration depth and increased quantity of the gravel media.

Model	Inlet/ Outlet Diameter (inch)	Body Diameter (inch)	Recom. Flow Rate (m^3/h)	Weight (kg)	Approx. Gross Volume (m^3)
4121	1"	12"	3.5 - 6	42	0.14
4162*	2"	16"	6 - 11	50	0.19
4202	2"	20"	9 - 18	70	0.31
4203	3"	20"	10 - 18	75	0.42
4242A	2"	24"	14 - 28	90	0.60
4243A	3"	24"	14 - 28	90	0.60
4303A	3"	30"	21 - 42	135	0.70
4363A	3"	36"	36 - 62	185	1.15
4484A	4"	48"	62 - 120	310	1.90
4604A	4"	60"	80 - 150	430	3.46
4363U	3"	36"	36 - 62	200	1.20
4484U	4"	48"	62 - 120	330	1.90
4604U	4"	60"	80 - 150	460	4.9

***Available with 1½" Inlet/Outlet (Model 41615)**

Gravel Filter Arrays

ODIS offers a large variety of gravel filters arrays. **ODIS** array is a complete filtration package, comprised of filters, manifolds, valves, controller for automatic backwash, couplings, PE pipes and accessories, supporting legs, etc.

Array Model	Average Flowrate (m^3/h)
01-4242-1220-P	20
02-4242-01-19903-P	40
03-4242-01-19904-P	60
04-4242-01-19904-L	80
05-4242-01-19904-L	100
07-4242-01-19806-L	140
05-4363A-01-19806-L	200
06-4363A-01-19808-W	250
08-4363A-01-19808-W	340
10-4363A-01-19810-W	420
05-4484A-01-19808-L	350
06-4484A-01-19810-W	420
07-4484A-01-19810-W	500
09-4484A-02-19808-W	630
10-4484A-02-19808-W	700
14-4484A-02-19810-W	1000

ODIS can design various array configurations in accordance with the customer's needs.

Modular filtration systems

Combination of **ODIS** products designed to provide a complete solution for an irrigation application. These systems can be installed either on skids or inside ISO containers. These mobile systems are convenient for transportation and installation require minimal on-site assembly.

Combination of Gravel filters and Hydrocyclons

Hydrocyclone Sand Separators

Series 5000

Most efficient for: separation of sand and solid particles from water or liquids, maintaining a small head loss.

Series 5000 Hydrocyclones are mainly used in wells and boreholes water, with large quantities of sand, as a pre-filtration for agricultural applications and erosion protection of pumps, valves, etc.

Series 5000 Hydrocyclones can be complemented with underflow collecting chamber

Advantages:

Specially designed Rubber Insert (Registered Patent) protects the Hydrocyclone cone against erosion and increases the separation efficiency and life cycle of the product.

Model	Inlet/ Outlet Diameter (inch)	Recom. Flow Rate (m^3/h)	Underflow Chamber (liter)	Weight (kg)	Approx. Gross Volume (m^3)
50307	¾"	2 - 3.5	2	8	0.03
50410	1"	3.5 - 7.5	2	9	0.03
50615	1½"	7.5 - 12	10	18	0.05
50820	2"	11 - 17	10	20	0.08
50830	3"	18 - 34	10	27	0.08
51243	4"x 3"	35 - 52	60	66	0.60
51640	4"	52 - 82	120	125	1.10
52060	6"	98 - 160	220	172	1.35
52460	6"	140 - 230	220	205	1.75
53080	8"	230 - 360	320	365	2.72

Hydrocyclone Arrays - **ODIS** offers a large variety of Hydrocyclone arrays, comprised of Hydrocyclones, manifolds, valves, controller for automatic discharge, couplings, pipes, and accessories, supporting legs, etc. or connected with filters for complete filtration package.

Model	Diameter (inch)		Average Flowrate (m^3/h)
	Inlet	Outlet	
MA58-010020	2"	2"	11-17
MA58-025035	3"	3"	25-35
MA58-035050	4"	3"	35-50
MA58-050080	4"	4"	50-80
MA58-100160	6"	6"	100-160
MA58-160250	6"	8"	160-250

Combination of Hydrocyclons and series 8000 filter

Array Model	Average Flowrate (m^3/h)
01-52060-05-4242-L	100
01-52460-05-4363-L	200
02-52460-06-4484-W	400

ODIS can design various array configurations in accordance with the customer's needs.

OdisMatic® Electric Filter

Automatic self-cleaning screen filter designed for irrigation, industrial and recycling applications. The cleaning is performed by S.A suction nozzles mounted on a collector that is electrically rotated and driven up and down using a unique reversing unit (patented).

Most efficient for: extremely heavy dirt load and difficult working conditions

OdisMatic Electric filters can be ordered with various filtration grads according to the application

Advantages:

- Efficient filtration due to Reversing Unit. (patented)
- Greater suction ability due to the S.A suction nozzles (patented).
- Significantly decreased water consumption during flushing.
- High screening efficiency due to stainless steel sintered filter element.
- Filtered water supply is not interrupted during flushing
- Continuous linear movement of the self-cleaning unit.
- Heavy-duty, trouble-free operation.
- Low power consumption.
- User-friendly and reliable control system.
- Electrical board with PLC Programer.

Series 863A

Model	Inlet/ Outlet Diameter (inch)	Max. Flow Rate (m^3/h)	Flushing Flow Rate (m^3/h)	Screen Area (cm^2)	Weight (kg)
863A02	2"	25	8	2500	175
863A03	3"	40	8	2500	178
863A04	4"	80	10	4000	212
863A06	6"	150	10	4000	215
863A08	8"	300	12	6000	312
863A10	10"	400	12	6000	318
863A12	12"	470	14	8000	350
863A14	14"	550	14	8000	376

Series 862A

For high flow rates

Model	Inlet/ Outlet Diameter (inch)	Max. Flow Rate (m^3/h)	Flushing Flow Rate (m^3/h)	Screen Area (cm^2)	Weight (kg)
862A12	12"	600	17	10050	450
862A14	14"	800	17	10050	465
862A16	16"	1000	17	10050	480
862A18	18"	1300	17	16150	650
862A20	20"	1600	17	16150	679

OdisMatic® Hydraulic Filter

Compact automatic screen filter, a perfect solution for use without power supply in irrigation, industrial and recycling applications.

The self-cleaning is performed by the hydraulically operated suction mechanism.

Advantages:

- Efficient fully automatic self-cleaning unit.
- Small quantities of water to flush the screen.
- Filtered water supply is not interrupted during flushing.
- User-friendly and reliable control system
- Low maintenance cost.
- High screen area Filtration element.
- DC/AC flush controller.

Series 851/851D

Ultra-Compact design allows installation in limited space.

Model	Inlet/ Outlet Diameter (inch)	Max. Flow Rate (m^3/h)	Flushing Flow Rate (m^3/h)	Screen Area (cm^2)	Weight (kg)
85107	¾"	4	2-3	270	11
85101	1"	7	2-3	270	11
851D15	1½"	15	4-5	850	25
851D02	2"	25	4-5	850	27
851D03	3"	40	4-5	1450	41
851D04	4"	80	4-5	1450	42
851D04L	4"	80	8-10	2360	48
851D06	6"	150	8-10	4500	65
851D08	8"	300	12-14	6200	78
851D08L	8"	300	15-17	8000	86
851D10	10"	400	15-17	8000	92

Series 850

Model	Inlet/ Outlet Diameter (inch)	Max. Flow Rate (m^3/h)	Flushing Flow Rate (m^3/h)	Screen Area (cm^2)	Weight (kg)
85002-IE/PE	2"	25	18-24	580	57
85003-IS/PS	3"	40	18-24	580	69
85003-IE/PE	3"	40	18-24	2150	109
85004-IS/PS	4"	80	28-34	1100	79
85004-IE/PE	4"	80	27-36	4300	126
85006-IE/PE	6"	150	27-36	4300	142
85008-IS/PS	8"	300	27-36	4300	185
85008-PE	8"	300	36-48	6550	190
85010-IS/PS	10"	400	27-36	5750	265
85012-IS/PS	12"	600	36-48	8550	295
85014-IS/PS	14"	900	36-48	9650	315
85016F-PS	16"	1100	36-48	9650	350

Odis introduces a new revolutionary perception in the field of the self-cleaning hydraulic filters that is reflected in **Series 852A** and **Series 853A**.

Advantages:

- Efficient filtration due to Reversing Unit. (patented)
- High screening efficiency due to stainless steel sintered filter element.
- Filtered water supply is not interrupted during flushing
- Continuous linear movement of the self-cleaning unit.
- Heavy-duty trouble-free operation.
- Reduced water consumption during flushing.
- User-friendly and reliable control system.
- DC/AC flush controller.

Series 852A

Especially effective for high flow rates and high load of dirt.

Model	Inlet/ Outlet Diameter (inch)	Max. Flow Rate (m^3/h)	Flushing Flow Rate (m^3/h)	Screen Area (cm^2)	Weight (kg)
852A12	12"	600	34	10050	430
852A14	14"	800	34	10050	450
852A16	16"	1000	34	10050	465
852A18	18"	1300	34	16150	635
852A20	20"	1600	34	16150	665

Series 853A

Model	Inlet/ Outlet Diameter (inch)	Max. Flow Rate (m^3/h)	Flushing Flow Rate (m^3/h)	Screen Area (cm^2)	Weight (kg)
853A02	2"	25	11	2500	159
853A03	3"	40	11	2500	162
853A04	4"	80	16	4000	195
853A06	6"	150	16	4000	200
853A08	8"	300	22	6000	295
853A10	10"	400	22	6000	300
853A12	12"	470	28	8000	335
853A14	14"	550	28	8000	360

OdisMatic® Brush Filter

Series 841B

Most efficient for: extremely high loads applications, wastewater, organic matter, special filtration applications, Anti-frost, industrial and recycling applications. The self-cleaning is performed by electrically operated self-adjusting brushes mechanism.

- Low operating pressure.
- Reliable, Improved cleaning efficiency of the screen due to the self-adjusting brushes unit.
- Filtered water supply is not interrupted during flushing
- Heavy-duty trouble-free operation.
- Low power consumption.
- Significantly decreased water consumption during flushing.
- User-friendly and reliable control system.

Model	Inlet/ Outlet Diameter (inch)	Max. Flow Rate (m^3/h)	Flushing Flow Rate (m^3/h)	Weight (kg)
841B04	4"	80	3500	124
841B06	6"	160	5000	156
841B08	8"	300	6000	172
841B10	10"	500	7500	266
841B12	12"	650	10400	280
841B14	14"	1000	10400	300

Automatic Self Cleaning Screen Filters

Series 8000

Circulating self-cleaning automatic screen filters, designed for trouble-free operation without moving elements, and can be applied to water containing sand and organic matter. The filter's special design includes an acceleration plate with 4 directional holes and a flushing controller to flush the residues accumulated in the collecting chamber.

Model		Inlet/ Outlet Diameter	Recom. Flow Rate	Weight	Approx. Gross Volume
Standard models	Horizontal inlet vertical outlet	(inch)	(m^3/h)	(kg)	(m^3)
8015	8915	11/2"	7-13	16	0.08
8020	8920	2"	13-25	17	0.08
8030	8930	3"	25-45	29	0.11
8040	8940	4"	40-75	35	0.14
8060	8960	6"	80-150	56	0.28
8080	8980	8"	165-300	130	1.10
8010	8910	10"	270-500	175	1.60

Series 3000

Circulating self-cleaning filters prevents the formation of impurities on the stainless-steel screen by water circulation, while maintaining a constant flow of filtered water with no increase of head loss. Intended for filtering water containing sand and organic residues.

Model		Inlet/ Outlet Diameter	Recom. Flow Rate	Weight	Approx. Gross Volume
Standard models	Horizontal inlet vertical outlet	(inch)	(m^3/h)	(kg)	(m^3)
3015	3915	11/2"	3-11	15	0.05
3020	3920	2"	11-31	17	0.05
3030	3930	3"	12-40	22	0.08
3040	3940	4"	20-66	42	0.14
3060	3960	6"	44-155	96	0.55

Semi-Automatic Screen Filters

The filters **Series 840** and **842** are equipped with a manually-operated cleaning unit for efficient cleaning of the entire screen area which prevents the need to remove the filter's screen for cleaning.

Advantages:

- Perfect solution for use without power supply.
- Filtered water supply is not interrupted during flushing.
- Economical, simple and easy to operate and service.
- The compact filters allow installation in limited spaces.
- Mechanical differential pressure indicator for indicating screen clogging.

Series 840/840B

Semi-Atomatic brush filter

Most efficient for: pivot irrigatio, anti-frost protection application.

The filter is equipped with a manually-operated self-adjusting brushes cleaning unit. It enables efficient cleaning of the entire screen area.

The Compact inline models allow installation in limited spaces.

Model	Inlet/ Outlet Diameter (inch)	Max. Flow Rate (m^3/h)	Screen Area (cm^2)	Weight (kg)
84015-I	1½"	15	1500	15
84002-I	2"	25	1500	17
84003-I	3"	50	1500	20
84004-I	4"	80	2200	34
840B04	4"	80	3500	95
840B06	6"	160	5000	114
840B08	8"	300	6000	128

Series 842

Suction screen filter

Most efficient for: irrigation application.

Semi-automatic filters, equipped with manual operated suction' cleaning unit for efficient cleaning of the entire screen area.

The compact filters 1½", 2," 3" and 4" are available in two configurations:

- T model - Vertical inlet and horizontal outlet.
- I model - Horizontal inlet and outlet - inline filter.

Model	Inlet/ Outlet Diameter (inch)	Max. Flow Rate (m^3/h)	Screen Area (cm^2)	Weight (kg)
84215-I/T	1½"	15	1000	15
84202-I/T	2"	25	1000	16
84203-I/T	3"	50	1000	17
84204-I/T	4"	80	2150	28
84204	4"	80	2500	86
84206	6"	150	5000	106
84208	8"	250	5000	107

Manual Screen Filters

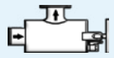
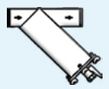
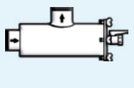
Series 1900

Control screen filter

ODIS series 1900 filters are designed for the following uses:

- Control filter for media filter arrays.
- Control filter for sand separators.
- Back up filter in the field.

Feature one extra strong 40 mesh (400 micron) stainless steel screen.

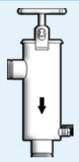
Model				Inlet/ Outlet Diameter (inch)	Recom. Flow Rate (m^3/h)	Weight (kg)
	19003		19903	3"	up to 60	26
	19004		19904	4"	up to 100	27
	19706		19806	6"	up to 250	53
	19708		19808	8"	up to 350	84
	19710		19810	10"	up to 500	108
	19712		19812	12"	up to 650	129

Series 1000

The filters are suitable for the control of small quantities of water impurities. These filters feature double filtration stage, two stainless-steel screens for double protection.

Series 1000 has a horizontal inlet and a bottom vertical outlet.

These filters are applicable to agriculture, industry, construction sites, and domestic use.

Model		Inlet/ Outlet Diameter (inch)	Recom. Flow Rate (m^3/h)	Weight (kg)	Approx. Gross Volume (m^3)
	1115*	11/2"	up to 15	6	0.011
	1220	2"	up to 23	13	0.028
	1320	2"	up to 30	16	0.047
	1430	3"	up to 38	17	0.047
	1441	4"	up to 80	32	0.120

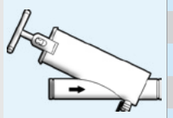
*** With one screen only**

Series 2000

The filters are suitable for the control of small quantities of water impurities. These filters feature double filtration stage, two stainless-steel screens for double protection.

Series 2000 has a horizontal inlet and outlet.

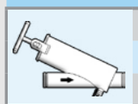
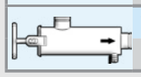
These filters are applicable to agriculture, industry, construction sites and domestic use.

Model		Inlet/ Outlet Diameter (inch)	Recom. Flow Rate (m^3/h)	Weight (kg)	Approx. Gross Volume (m^3)
	2010	1"	up to 7	5.5	0.028
	2015	11/2"	up to 15	7	0.028
	2020	2"	up to 30	15	0.052
	2030	3"	up to 40	27	0.078
	2040	4"	up to 80	42	0.144
	2260	6"	up to 180	72	0.280
	2080	8"	up to 300	91	0.350

Series 7000

ODIS series 7000 screen filters are intended for back flushing. These filters are used mainly as secondary filters, following gravel filters. In such applications, both filters are flushed together, eliminating the need for separate valves. They also feature one reinforced stainless- steel screen.

ODIS presently offers two types of **series 7000** screen filters; with horizontal inlet and outlet and with a vertical inlet and a horizontal outlet

Model		Inlet/ Outlet Diameter (inch)	Recom. Flow Rate (m^3/h)	Weight (kg)	Approx. Gross Volume (m^3)
	7020	2"	up to 35	14	0.052
	7030	3"	up to 60	20	0.078
	7040	4"	up to 105	40	0.144
	7930	3"	up to 60	17	0.047
	7940	4"	up to 105	32	0.064

Preliminary Suction Strainers

Series 181

Self- cleaning suction strainer

The self-cleaning suction strainer is designed to protect the pump from clogging by debris, trash, and solid dirt. It is connected to the pump inlet and submerged in the water source (river, lake, reservoir, etc.).

When using a non-self-priming pump, it is recommended to use **ODIS**'s foot valve **series 189** to ensure that the pump supply line will always remain full of water. The foot valves are supplied in the same sizes and the same flow rates as **series 181**. The screen is kept clean during pump operation by continuously rotating jets (Water Jet System) using pump pressure through the Water Jet System supply line.

Model	Outlet Diameter (inch)	Max Flow Rate (m^3/h) 1200 Micron	Max Flow Rate (m^3/h) 2500 Micron	Weight (kg)	Approx. Gross Volume (m^3)
18104	4"	80	100	24	0.21
18106	6"	180	230	35	0.31
18108	8"	300	380	40	0.36
18110	10"	420	550	57	0.51
18112	12"	600	750	62	0.57
18114	14"	800	1000	71	1.21
18116	16"	1000	1200	81	1.21

Series 184

Pre-Filtration strainer

The Pre-filtration strainer is designed to protect pumps, valves, filters etc., by preventing the passage of coarse solids to the water system. This product features a stainless steel perforated screen. Available in several perforations from 3mm up to 8mm.

ODIS Pre-filtration strainer is recommended for main water lines or municipal water system supply, to protect them also during pipeline maintenance work.

Model	Inlet/ Outlet Diameter (inch)	Max. Flow Rate (m^3/h)	Weight (kg)	Approx. Gross Volume (m^3)
18402	2"	20	35	0.06
18403	3"	40	40	0.06
18404	4"	65	45	0.06
18406	6"	150	65	0.09
18408	8"	260	95	0.15
18410	10"	400	120	0.2
18412	12"	580	170	0.3
18414	14"	700	220	0.35
18416	16"	880	275	0.45
18418	18"	1150	350	0.54
18420	20"	1450	575	0.9
18424	24"	2000	670	1.2

Gravity Screen Filter

Series 188 US patent application 11/774,706

Self-Cleaning Gravity Screen Filter especially designed for low-pressure drip irrigation. The filtering process is based on gravity flow through a stainless steel screen. The filter is designed to continuously remove dirt from the screen during the filtration process using rotating cleaning jets assembly, without interrupting the filtered water supply.

Model	Inlet/ Outlet Diameter (inch)	Inlet/ Outlet Diameter (mm)	Body Diameter (inch)	Body Diameter (mm)	Max. Flow Rate (m^3/h)
18848	6	150	48	1200	100
18860	8	200	60	1500	170

Fertilizing Equipment

Series 6000

Fertilizer tank

ODIS fertilizer tanks have been designed specifically for fertigation in agriculture. This system is simple, efficient and trouble-free. The fertilizer tanks are applying fertilizers on the quantitative principle. The fertilizers are applied continuously during irrigation, either manually or controlled by an irrigation controller.

Model	Capacity (liter)	Weight (kg)	Approx. Gross Volume (m^3)
6005*	5	8	0.02
6010*	10	9	0.04
6015	15	18	0.05
6030	30	24	0.10
6060	60	31	0.13
6090	90	38	0.20
6120	120	44	0.25
6121*	120	45	0.28
6222	220	56	0.47
6221*	220	59	0.44
6301*	300	75	0.53
6501*	500	130	1.15

***Horizontal models**

Series 653 US patent application 11/367083

Fertigation pump

The pump is designed for the efficient applying of chemicals and fertilizers in irrigation systems. It is powered by the irrigation system water pressure. Fertigation pump capacity range of 12 to 120 liter/h. The pump can be used with all fertilizers and chemicals in agricultural applications.

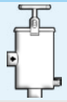
Disc Filters

ODIS disc filters feature specially grooved plastic discs stacked together to form the filtering element with a large effective filtering area.

ODIS offers 4 series of filters:

Series 1500

With a coated carbon steel body. With horizontal inlet and vertical outlet.

Model		Inlet/ Outlet Diameter (inch)	Recom. Flow Rate (m^3/h)	Weight (kg)	Approx. Gross Volume (m^3)
	1502	2"	up to 25	18.7	0.049
	1503	3"	up to 50	22.3	0.062
	1504	4"	up to 80	29.4	0.074

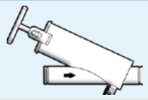
Series 1700

With a coated carbon steel body and a reinforced plastic cover. It has a horizontal inlet and a vertical outlet.

Model		Inlet/ Outlet Diameter (inch)	Recom. Flow Rate (m^3/h)	Weight (kg)	Approx. Gross Volume (m^3)
	1720	2"	up to 25	12.5	0.066
	1730	3"	up to 50	13.5	0.078
	1740	4"	up to 80	17.5	0.086

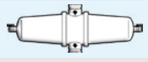
Series 2500

With a coated carbon steel body. With horizontal inlet and outlet.

Model		Inlet/ Outlet Diameter (inch)	Recom. Flow Rate (m^3/h)	Weight (kg)	Approx. Gross Volume (m^3)
	2502	2"	up to 25	20.0	0.065
	2503	3"	up to 50	28.2	0.110
	2504	4"	up to 80	32.3	0.110

Series 2600

With reinforced plastic body and covers. It comes with a horizontal inlet and outlet. This filter contains two filtering elements so the filter has a very large filtering area.

Model		Inlet/ Outlet Diameter (inch)	Recom. Flow Rate (m^3/h)	Weight (kg)	Approx. Gross Volume (m^3)
	2630	3"	up to 50	12.0	0.120

Series 2100

ODIS series 2100 filters are used mainly as control filters in agriculture and gardening. The filter body is manufactured from reinforced plastic.

ODIS offers the 2100 series with various filtering element.

- Specially grooved plastic discs.
- Stainless steel screen.
- Plastic screen for models 2107 and 2110

Model	Inlet/ Outlet Diameter (inch)	Max. Flow Rate (m^3/h)	Screen Element Area (cm^2)	Disc Element Area (cm^2)
2107	¾"	up to 3	130	180
2110	1"	up to 5	130	180
2115	1½"	up to 10	550	505
2120	2"	up to 15	550	505

Color	Screen Element Mesh
Light blue	80
Brown	120
Green	155

Color	Disc Element Mesh
Yellow	80
Red	120
Black	140

Manifolds & Accessories

Series 9000

ODIS manifolds series 9000, and accessories are specifically designed for easy and modular installation of filter arrays.

- Flexible planning and easy installation of large and small filter arrays.
- Arrays can be modified by adding filters and manifolds
- Manifolds are designed for optimal heat loss.
- Large variety of standard manifolds covers the various Configurations of ODIS arrays.
- Other manifolds can be manufactured to order.

End Connections

ODIS filters, manifolds, and accessories are available in three end connections:

- Victaulic (V)
- Threaded (M)
- Flanged (F)

Protective Coating

All **ODIS** products have a 120-micron extra-durable polyester coating, applied electrostatically and oven-cured on a zinc-phosphate layer for maximal anticorrosion protection.

ODIS can manufacture to order other system configurations or products, in some cases at no additional cost.

Aimed at continued improvement, **ODIS** reserves the right to change specifications without prior notice.

MAKOSWATER
NARVA MNT 5
10117 Tallinn
ESTONIA