INAZUMA®

FILTERTECHNIK MADE IN GERMANY

Installation and operating instructions

Drum Filters

ITF-30 septem
ITF-50 septem
ITF-80 septem
ITF-120 septem
ITF-160 septem
ITF-240 septem

ITF-30 Biokompakt septem
ITF-50 Biokompakt septem
ITF-80 Biokompakt septem
ITF-120 Biokompakt septem
ITF-160 Biokompakt septem
ITF-240 Biokompakt septem

Control WebCSA V2

Index

page

1. General information ... 3
1.1. Introduction ... 3
1.2. Important safety notes and warnings ... 3
1.3. Warning label ... 3
1.4. WEEE-registration ... 3
1.5. EC declaration of conformity ... 3
1.6. Utility model protection ... 3
1.7. Alteration and modification ... 3
1.8. Spare parts ... 3
1.9. Description and function of the product ... 3
1.10. Transport ... 4
1.11. Installation guidelines ... 4
1.12. Warranty ... 5
1.13. Additional information ... 5

2. Installation and connection ... 5
2.1. Before installation ... 5
2.2. Case cover ... 5
2.3. Installation: gravity driven setup & water level ... 6
2.3.1. · Connections gravity driven setup ... 6
2.4. Installation: pump driven setup ... 7
2.4.1. · Connections pump driven setup ... 7
2.4.2. · Pump driven setup: Removal of the overflow sheets ... 7
2.4.3. · Important notes on the pump driven setup ... 7
2.5. Installation Control WebCSA^{V2} / Initial commissioning of the filter ... 8
2.5.1. · Settings / configuration ... 8
2.5.2. · WebCSA^{V2} App ... 8
2.6. Mounting of the two float switches ... 9
2.6.1. · Mounting of the float switch 1 – pump & gravity driven setup ... 9
2.6.2. · Mounting of the float switch 2 – gravity driven setup ... 10
2.6.3. · Mounting of the float switch 2 – pump driven setup ... 10
2.7. Magnetic valve for the gutter flush ... 11
2.8. Cover switch ... 11
2.9. Immersion-UVC ... 12
2.9.1. · BioKompakt models ... 12
2.9.2. · Filters without a biochamber ... 12
2.10. Mounting of the gear protection plate ... 13
2.11. Biological filter material Planet Bio ... 13
2.12. Factory settings operating durations / flushes ... 13
2.13. Maintenance ... 14
2.13.1. · High pressure pump ... 14
2.13.2. · Prefilter ... 14
2.13.3 · High pressure nozzles ... 14
2.13.4. · Drum seal ... 14
2.13.5. · Screen mesh and stripping brushes ... 14
2.13.6. · Waste flow trench ... 14
2.13.7 · Calcification / faults ... 15
2.13.8. · Winter operation ... 15
2.13.9. · Operation in a swimming pond ... 15
2.14. Technical data ... 15

3. Exploded drawing and spare parts list ... 16

Certificate of quality ... 17

Service order / repair note ... 19

1. General information

1.1. Introduction

Congratulations on your new acquisition – a drum filter made by Inazuma.

To avoid restrictions on function and warranty it is important to read this manual carefully.

To make sure your filter works as supposed to, we ask you to follow the manual, the user- guide and additional notes that are provided with this product, closely.

In the event of emerging questions not addressed in this manual we ask you to get in contact with your (local) dealer.

If your pond is extremely dirty / there is sludge or similar deposits on the ground, we recommend performing a basic cleaning prior to operating the drum filter..

1.2. Safety notes and warnings

Please store this manual at an accessible location to be able to address emerging questions about installation, function and debugging.

It is recommended to keep a copy of this manual close to the filter so e.g. technicians are able to get quick access to all informations needed.

1.3. Warning Label

The sign next to this text points out important warnings or significant Informations.

1.4. WEEE-registration

iThe WEEE-registration ensures that the producers are assuming liability for their electrical and electronic equipment, especially the responsibility for recycling and disposing of these according to the "ElektroG".

The Federal Environment Agency of Germany (Umweltbundesamt) confirms the registration of this product under the following number:

WEEE-Reg.-Nr. DE 19429673

1.5. EC-Declaration of Conformity

CE

Manufacturer: Inazuma
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Internet: www.inazuma-online.com

Device Type:
Drum filter including electronic control and high-pressure pump

Directives in use:
Machinery Directive: 2006/42/EG,
"Low Voltage" Directive: 2006/95/EG,
General Product Safety Directive: 2001/95/EG
Swiss implementations SR 819.14, SR 930.11 and SR 734.26.
Furthermore, the EN ISO 12100:2010 applies.

The manufacturer declares hereby the conformity of the product with the safety requirements mentioned above.

1.6. Utility model protection

Gutter flush "Speed Flush" German utility model protection Nr.20 2015 001 594.8

Cleaning brush "Clean Brush" German utility model protection Nr.20 2015 001 595.6

1.7. Alteration and modification

We point out that every alteration or modification without written approval by Inazuma or one of its authorized suppliers will cause the immediate annulment of the CE conformity assessment.
Inazuma will not assume liability for damages on persons or property emerged by unauthorized alterations or modifications.

1.8. Spare parts

Only spare parts provided by Inazuma or one of its authorized suppliers are approved for installation. In the event of usage of non-authorized parts the warranty will expire and Inazuma will not assume liability for damages. Only use special tooling.

1.9. Description and function

The Inazuma® Drum Filter is a fully automatic, mechanical filter for removing dirt particles from water circuits (especially fish and koi ponds).
The drum filter is not suitable for liquids other than water.

CAUTION

The manufacturer will not assume responsibility for any damages emerged by misuse of the product or parts of it or by non-observance of rules, guides and manuals provided in this document and additional documents (including stickers and warning signs) provided with the product.

Operate the device only when nobody is in the water!

The device can only be operated, if your house wiring owns a ground fault circuit interrupter (GFCI) / residual-current device (RCD) (30 mA for humid environment) and the power supply is connected to said system.

It is also recommended to use an overvoltage protection class D or 3 (depending on your local guidelines).

1.10. Transport

The filter must be transported in an upright position. Do not lift the product by using force against the engine skid plate.

The drum filter may only be lifted at the designated load handling points by using the Inazuma lifting device. The set is available in two variants:

for ITF 30 - 80, article number IK6010
for ITF 120 - 240, article number IK6020

Remove the plugs from the top corners of the filter. Do not throw them away.
Guide the lifting bar through the filter on the left and right side. Thread the fixing rings on the bar inside of the filter.
Align the rod in the center and tighten the clamping rings on the housing wall of the filter.
Now the filter can be lifted by means of a sling or lifting belt at the 4 suspension points.

No liability is assumed for damage to the filter caused by improper transport or the use of improper lifting equipment.

1.11. Installation guidelines

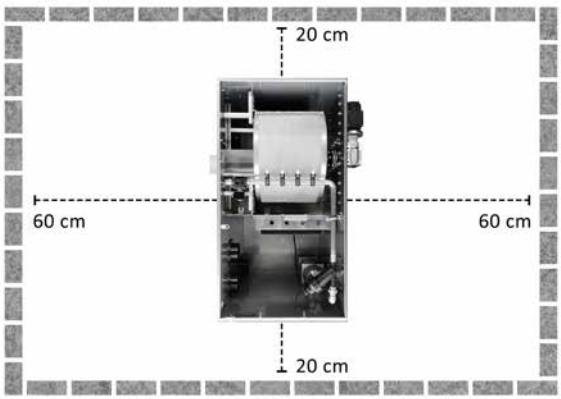
Please have the specifications in accordance with this installation plan checked or carried out by e.g. a construction company / electrician BEFORE starting the construction / filter installation!

Distances
Your drum filter must be set up so that it is accessible at all times for the replacement of spare parts and maintenance work. There is a minimum distance of

60 cm on the engine and inlet side

20 cm on the other two sides

The filter must be freely accessible from the top up to a height of 1.2 m



If the filter is framed / obstructed with wood or other materials, these must be removed by the customer before starting the service work. Any additional effort due to non-existent minimum clearances must be borne by the customer.

Ground
The filter must be on a firm and stable surface. Furthermore, this must be a flat surface (max. 1% incline).

Connection requirements

Operating voltage	230 V
Number of cables / wires x cross section	1 cable / 3 x 2.5 mm² (valid up to a maximum cable length of 25 m)
Fuse ratings	1 x 16 A (only use fuses with tripping characteristic C)
Fault-current circuit breaker	16 A – 30 mA
Grounding	to be connected to the ground screw of a ground pole of min. 50 cm in length and a cable diameter of 6 mm² (earthing pole item no. IK6000)

If you have any questions, please contact the Inazuma customer service on Tel. (+49) 821 - 7291972.

The requirements must be carried out according to the plan. In the event of deviations and the resulting delays or a renewed travel, Inazuma reserves the right to charge the additional work.

In the event of non-compliance, we assume no liability for damage to property or personal injury.

1.12. Warranty

The 2-year guarantee is a voluntary manufacturer's guarantee in accordance with the following guarantee conditions. In addition, the guarantee conditions apply, which can be viewed at www.inazuma-online.com. The customer's statutory warranty rights remain expressly unaffected.

Warranty services apply for the specified duration, calculated from the handover of the product to the customer (invoice date). Provided warranty services do not result in an extension of the warranty period or a new warranty period for replaced or repaired parts. The additional optional warranty extension for 2 more years can only be acquired within 6 months after the filter purchase.

If the item is resold, the guarantee is not transferable. This guarantee does not apply to commercial use, here a 6-month guarantee applies.

Any changes to the device, control or connecting cables and plugs will invalidate the guarantee.

The manufacturer is generally not liable for damage resulting from an accident or improper installation or use and consequential damage.

1.13. Additional information

ATTENTION
food additives, treatment with salt, use of tools

Numerous food and care products for koi and other fishes contain a high proportion of additives like iron. Please make sure that all additives in use are classified for use in combination with stainless steel.

Improper additives, the treatment of fish with salt and the use of tools made out of steel are likely to cause damages to the filter system.

Damages caused by improper additives, salt or the use of inappropriate tools are excluded from warranty.

2. Installation and connection

The installation and connection of the drum filter should only be carried out by qualified personal.

2.1. Before installation

Please examine the product before the beginning of the installation procedure.
Ensure that neither the product itself nor the wrapping is damaged.
Make sure that the filter does not contain any objects.

Before commissioning, you must remove the transport lock (see picture below), or else mechanical damages might occur.
(The Transport lock is not included in all models!)

During installation, make sure that moving parts of the filter can not be blocked by cables!

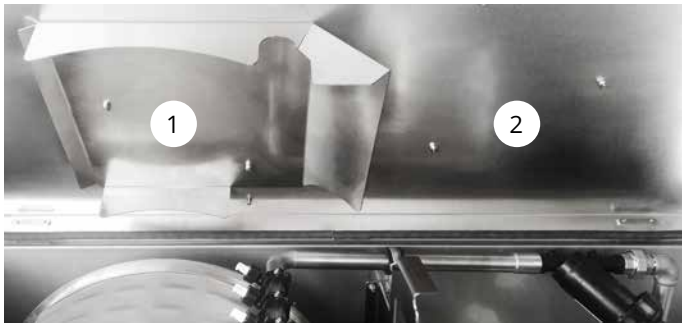
2.2. Case Cover

The case cover of each drum filter model can be mounted mutually. You can therefore adjust the direction of the opening to the situation on site.

If you want to mount the cover turned by 180°, the following order of installation must be followed. Non-observance will damage the drum screen (gauze).
This is not subject to the guarantee / warranty!

1. In the first step, the splash guard (1) must be transferred to the designated location (2).

2. Only in the next step, the filter cover can be remounted. You find all necessary drill holes for the hinges and cover lockings on opposite sides of the drum filter. For some models, only one cover locking can be mounted after the conversion due to their design.



2.3. Installation: gravity driven setup & water level

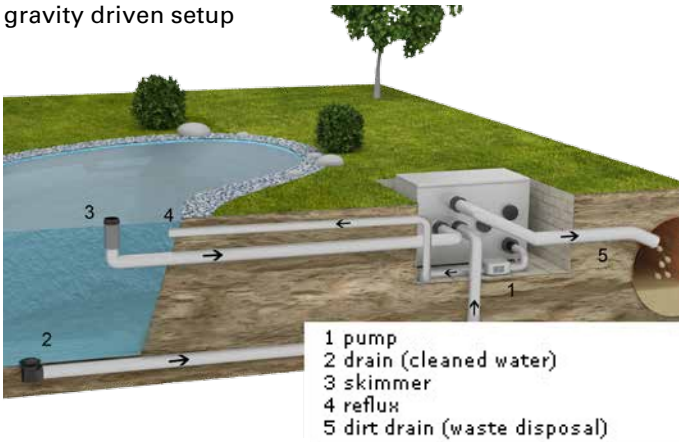
The filter must be installed on even and solid ground. After positioning the filter, both axes (longitudinal and transverse) must be aligned by using a spirit level.

⚠ Make sure that none of the tubes puts mechanical load on the case of the filter.

⚠ Make sure that the filter, arranged in the gravity driven setup, is positioned in the right level within the water-level.

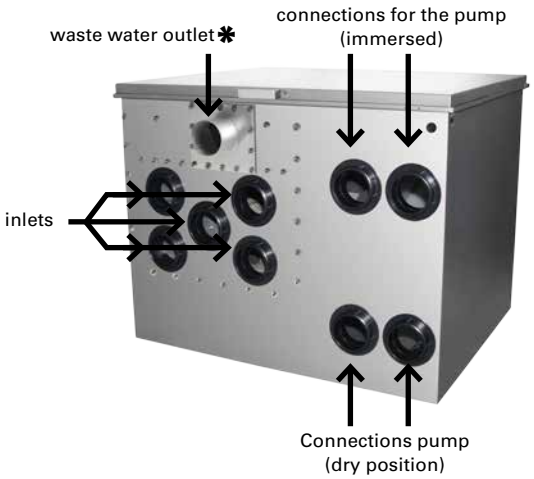
You can find a sticker marking the right level near the connections on the front of the filter.

gravity driven setup

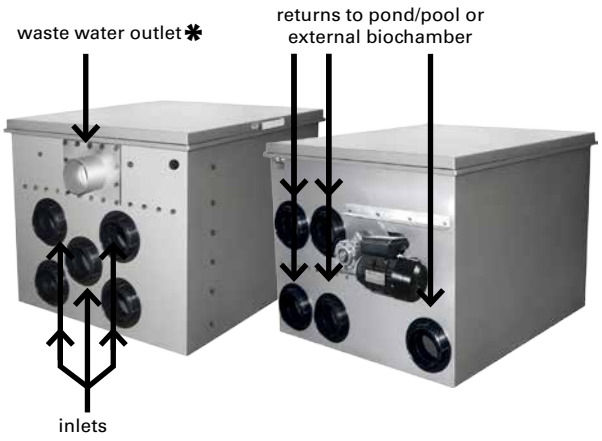


2.3.1. Connections gravity driven setup

Connections gravity driven setup for biochamber filters



Connections gravity driven setup – filters without a biochamber



✱ Make sure that the drain reaches a much lower level. The slope will prevent blockages.

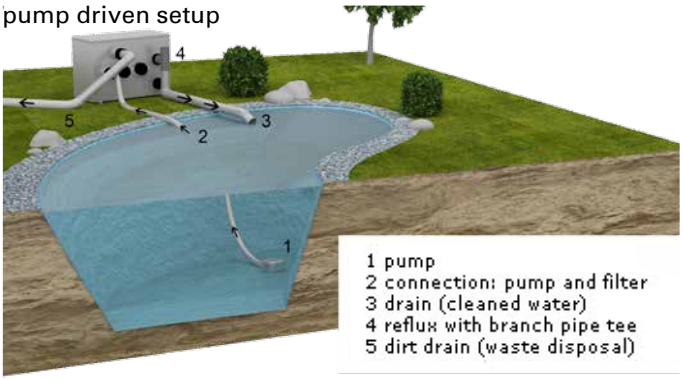
2.4. Installation pumped version

The filter must be installed on even and solid ground. After positioning the filter, both axes (longitudinal and transverse) must be aligned by using a spirit level.

Make sure that none of the attached tubes puts mechanical load on the case of the filter.

IMPORTANT NOTE FOR THE PUMP DRIVEN SETUP
In a pump driven setup the amount of inlet connections must be reduced.
Cover all unused inlet connections with caps.

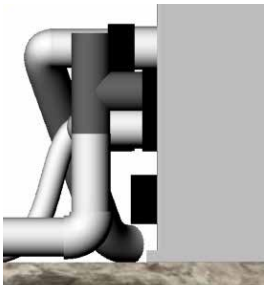
pump driven setup



2.4.1. Connections pump driven setup

Reflux connection:

In the pump driven setup it is recommended to use an T-pipe/ branch pipe (open to the top) at the reflux connections to ventilate the run-back line.



2.4.2. Pumped version: Removal of the overflow sheets

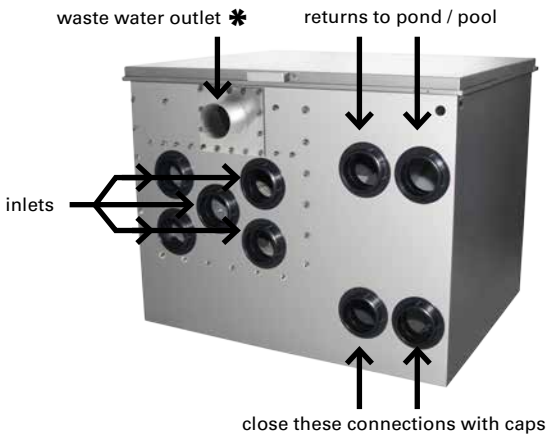
2.4.3. Important notes for the pump driven setup

1. To prevent the loss of water in the event of malfunction, remove the premounted sheet metal parts and store them.

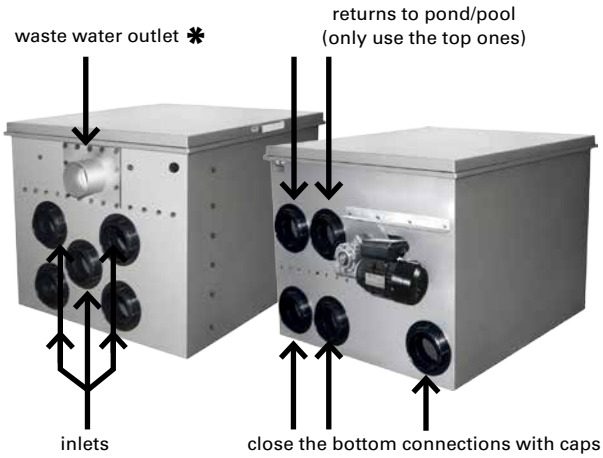
2. We recommend powering the pumps using an external system. The Inazuma Control WebCSA^{V2} provides this function. In case of a malfunction or an error, the Control WebCSA^{V2} shuts the pumps down automatically.

In the pump driven setup the float switch must be installed in the prechaber of the filter.

Connections pump driven setup for biochamber filters



Connections pump driven setup for filters without a biochamber



✱ Make sure that the drain reaches a much lower level. The slope will prevent blockages.

2.5. Installation Control WebCSA^{V2} / Initial commissioning of the filter

Before commissioning the filter, the system must be filled with water and the cover must be closed.

- Control is splash proof (IP65)
- Protect from direct solar radiation!
- Do not drill any holes into the case, otherwise the warranty will be lost.

2.5.1. Settings / configuration

The control is delivered without configuration. Before commissioning, the control must be configured using an app (available for Android and iOS). Please read the operating instructions for the control WebCSA ^{V2}.

The rinsing process will start automatically depending on the pollution level of the drum.
When the drum is soiled to a certain level, the float switch activates the rinsing process.
The drum filter control is equipped with a malfunction detector. When a malfunction is detected, the control reports a malfunction by sending out a beeping sound.

ATTENTION
You have to pay attention to the water level if you have a pond without an automatic water refill system. If the water sinks below the level of the bottom float switch, the filter will turn off automatically, or else a continuous irrigation would occur.

Inazuma offers an automatic pond level regulation (item no. IK5001)

The drum filter control system should only be opened by qualified personnel!
There is a danger of electric shock and risk of injury, as the circuit board is live.

2.5.2. Connections

1. Mains Plug
2. Gear motor
3. High pressure pump
4. UVC
5. UVC
6. Power-Switch P4 (optional)
7. Power-Switch P3 (optional)
8. Power-Switch P2 (optional)
9. Power-Switch P1
10. Cable entry for W-LAN antenna (optional)
11. Cover switch
12. Solenoid valve for gutter flush
13. Float switch 2 (2 floaters)
14. Float switch 1 (1 floater)
15. Temperature sensor (optional)
16. Solenoid valve for water level regulator (optional)
17. water level sensor (optional)

Always disconnect the power plug before connecting / disconnecting components or opening the control unit!

2.5.3. WebCSA^{V2} App

A detailed operating manual for the WebCSA^{V2} control, the app and the optional accessories for the control (power switch, temperature sensor, pond level regulation) can be downloaded from our homepage www.inazuma-online.com.

The WebCSA^{V2} app can be downloaded in the google play store and apple app store.

2.6. Mounting of the two float switches

The WebCSA^{V2} control is supplied with two float switches..

Float switch 1 (1 floater) detects the water level in the prechamber.

Float switch 2 (2 floaters) is responsible for flushing and dry running protection.

2.6.1. Mounting float switch 1 (gravity & pumped)

Mounting float switch 1
in the right area of the prechamber under the solenoid valve

2.6.2. Mounting float switch 2 (gravity)

Biokompakt-Models:
Pure water area outside the drum

Filters without biochamber:
Mount float switch here.
Pure water area outside the drum

Upper float switch:

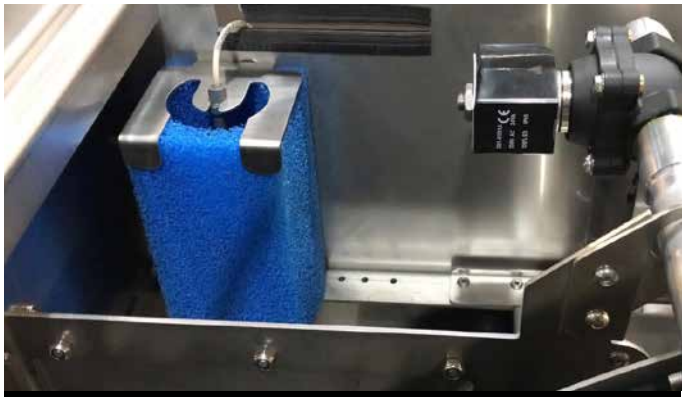
Activates the rinsing-process. At the end of every rinsing-cycle the top ring is supposed to float towards the top end.

Bottom float switch:

Activates the emergency shutdown in the event of non-stop rinsing to prevent a drop of the water level in the pond/pool. The bottom ring is always supposed to be under water.
If it falls to the lower stop, the drum filter switches off, because there is too little water in the pond.

The exact position of the float switch must be adjusted individually (slot holes in the mounting). The height depends on the power of the pump.

2.6.3. Mounting float switch 2 (pumped)



Waste water section in front of the drum

Position of the float switch and its mounting

In the pump driven setup, the float switch is already installed in the waste water section in front of the drum. The mounting is completely pre-assembled. Therefore, there is no need to adjust its position.

Upper float switch:

Responsible for the activation of the emergency shutdown and protection of non-stop rinsing.
During normal operation of the drum filter it should be always above the water level. If the upper float switch gets pushed upwards by water, the drum filter shuts down and a fault signal occurs.
In pump mode, we recommend connecting the pond pump to the Power Switch Outlet No. 1 of the control WebCSA V2. In this case, your pond pump (connected to the Power Switch) will then be switched off in the event of a fault and the pond will not be emptied.

Bottom float switch:

Activates the rinsing-process. At the end of every rinsing-cycle the top ring is supposed to float towards the bottom end.

2.7. Installation of the magnetic valve for the gutter flush

On delivery, the connection pins of the solenoid valve head point towards the housing wall.

Loosen the nut on the solenoid valve head and turn it until the pins point about 30 ° upwards.

Insert the plug of the solenoid valve onto the solenoid valve head. Then tighten the screw on the back of the connector.

Make sure that the sealing washer of the screw and the square housing seal are correctly attached.

Now turn the complete solenoid valve back to the starting position until it is perpendicular to the filter wall. Tighten the nut on the solenoid valve head firmly.

IMPORTANT NOTE

Your drum filter is equipped with the Speed Flush system (rinsing flush). In the default setting of the controller, your filter performs a flush twice a day. With the WebCSA^{V2} app, the number of flushes per day can be changed.

2.8. Cover switch

Cover switch

The cover switch must be in a position in which, when the cover is closed, the gap between it and the counter-magnet is at most 5 mm wide.

ATTENTION:

The manufacturer will not assume liability for damages emerged by misuse of the product or parts of it or by non-observance of rules, guides and manuals provided in this document and additional documents provided with the product.

During maintenance of the drum filter always unplug the mains plug.
The system will also detect the opening of the drum filter and will interject the power supply. Never activate the cover-detection-switch manually.

2.9. Mounting of the immersion-UVC

2.9.1. Biokompakt models

All Inazuma drum filters of the septem series have one or more internal brackets for easy installation of immersion UVC lamps suitable for the Inazuma high-performance duo lamp HD-PRO-50.000 V2. The UVC receptacles are sealed ex factory with a sealing plug (see Fig. 1).

Assembly:
Depending on the number of UVC lamps, remove the sealing plugs. Insert the immersion UVC into the stainless steel holder from above. Be careful not to damage the quartz tube. The lamp should now rest with the union nut on the top of the bracket. Please keep the plugs after installing the UVC lamps (see fig. 2).

fig. 1

fig. 2

2.9.2. Filters without biochamber

fig. 1

fig. 2

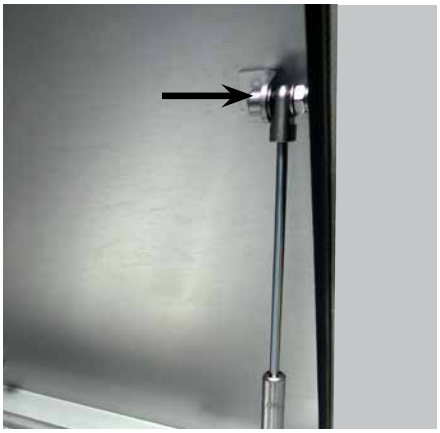


fig. 3

All Inazuma septem drum filters have one or several UVC mountings on the inside (suitable for the HD-PRO 50.000 V2 immersion-UVC) (see fig. 1)

Assembly:
Insert the immersion-UVC into the mounting until the device reaches the fixture. Do this with caution to not damage the quartz glass pipe. The union nut of the UVC-emmiter should now rest on the mounting (see fig. 2)

Depending on the position of the immersion-UVC it might be necessary to remove the nut of the gas pressure absorber (see fig. 3)

2.10. Assembly of the engine guard plate

The engine guard plate is inserted from the top of the already pre-assembled bracket.
Dismantling the screws is not necessary!

2.11. Biological filter material Planet Bio

We recommended the use of biological filter material Inazuma Planet Bio in following quantities:

ITF-30 BioKompakt septem	150 liters
ITF-50 BioKompakt septem	200 liters
ITF-80 BioKompakt septem	250 liters
ITF-120 BioKompakt septem	300 liters
ITF-160 BioKompakt septem	350 liters
ITF-240 BioKompakt septem	450 liters

Suggestion: *At first, put only half of the filter material into the drum filter. Add the second half two weeks later.*

The weight of the material is tared in such a way, that as soon as the balls are canonicalized by microorganisms, they float just below the water level. In clean condition, just after putting them into the filter, the balls push each other out of the water.

2.12. Factory settings operating durations / flushes

rinsing duration:	ca. 12 sec.
rinsing “Speed Flush”:	2 flushes within 24 hours
wave suppression:	ca. 20 sec.
automated shutdown after non-stop rinsing pump driven setup:	ca. 10 min.
automated shutdown after non-stop rinsing gravity driven setup:	ca. 30 min.

Explanation of the rinsing process:

There are no guideline values for the number of rinses, this always depends on the degree of soiling and the pumping capacity.

In conjunction with the WebCSA^{V2} app these and other parameters can be changed or adjusted.

See also the operating instructions WebCSA^{V2} **www.inazuma-online.com.**

Always unplug the power during any maintenance work on the drum filter.
The system will also detect the opening of the drum filter and will stop the power supply.
Never activate the cover switch manually.

2.13. Maintenance and care

During maintenance and before opening the filter it is necessary to turn it off and to unplug the power cable. Otherwise, there will be a heavy risk of injury.

Maintenance: For optimal filter performance we recommend you to perform steps 1 to 5 once a year. Lime-water can cause a poor cleaning of the mesh and shorter flushing intervals. To counteract that, please note point 2.13.7.

2.13.1. High pressure pump

To protect the high-pressure pump, a filter sponge is attached below the high pressure pump.

To remove the filter sponge, loosen the screw on the high-pressure pump, lift it upwards and remove the filter sponge at the bottom.

Simply rinse the filter sponge with clean water, put it back in and retighten the screw.

2.13.2. Prefilter

To protect the high-pressure nozzles, a fine filter is installed.

Simply rinse the disc filter under running water. Please also take care to remove any contamination between the individual panes.

2.13.3. High pressure nozzles

To decalcify the nozzles, please disassemble them and immerse them completely in citric acid for about 30 minutes. If the nozzles are clogged, you can blow them out or clean them with a toothbrush. Never use hard or sharp objects, such as Cutter knives or steel brushes. These can damage the spray nozzles.

2.13.4. Drum Seal

1. Once or twice a year, especially after winter or a longer standstill, the seal of the drum should be maintained. To do this, use an ordinary silicone spray. This prevents sticking of the seal on the edge of the drum and an easier startup of the drum.

1. Pull the mains plug of the the control unit, and the motor connection cable leading to the control unit
2. Empty the filter completely
3. Plug the power plug from the motor into a socket (not into the control unit)
   Attention! Risk of injury due to rotating drum!
4. Spray some silicone spray on the edge of the drum until it reaches about two turns
5. Disconnect the motor from the mains socket and reconnect it to the control unit. Power the control unit.
6. Your filter is now ready for use again

2.13.5. Screen mesh and stripping brush

If the mesh is damaged, it can be changed easily. Depending on the load and water quality, it may occasionally be necessary to clean the mesh. For this see chapter "Calcification / Fault".

The stripping brush in the drum should be checked occasionally and replaced if necessary.

2.13.6. Waste flow trench

The gutter should, despite regular gutter flushing, be checked once a week for any leftovers or adhering debris.

2.13.7. Calcification / Fault

Depending on the degree of hardness of the water used in the pond, there is usually no visible calcification of the mesh. A common symptom is that the filter almost continuously rinses.

ATTENTION

This maintenance work should only be carried out by qualified personnel!

➔ To remove the calcification, we recommend cleaning the mesh with citric acid.

1. Pull the mains plug of the the control unit, and the motor connection cable leading to the control unit
2. Empty the filter completely
3. Apply the solution to the mesh with a brush
4. Leave the cleaning solution on for 10 to 15 minutes
5. Now plug the power plug of the engine into a socket (not on the control) for a short time
   Attention! Risk of injury due to rotating drum!
6. Repeat steps 3 to 5 until the entire mesh is treated
7. Rinse the mesh with clear water
8. Reconnect the motor connection cable to the control unit and power the control unit.

➔ If the above procedure does not lead to success, please contact your dealer.

Do not place any tools such as brushes or containers on the drum. The safety instructions of the cleaning agent used must be observed!

2.13.5. Winter operation

Generally, the operation of the filter during winter is possible. You have to make sure, that the water temperature is above 4°C (40°F). This can be achieved by using appropriate measures (e.g. immersion heater). They prevent damages and malfunctions of the filter.

Ex works, a sealing plug is attached to the underside of the rinsing drain. It must be unplugged when you are **not operating** the filter in winter.

2.13.7. Operation in a swimming pond

Please follow your local guidelines for the operation of a swimming pond.

Only run the drum filter, when no person is staying in the water!
We recommend due to safety reasons to turn the system off completely during bathing.

2.14. Technical data

Materials in use

Stainless steel V4A: case, drum connections, trench etc.

Plastic: seal, rollers, flanged housing unit

Motor and control

Power supply control	230 Volt / 50 Hz
Microfuse control	230 Volt / 10 A
Power supply sensor	12 Volt
Power supply cover switch	12 Volt
Power supply motor	230 Volt / 50 Hz

Motor power

0,18 KW (from ITF-30 to ITF-120)
0,36 KW (ITF-160 Biokompakt & ITF-240 Biokompakt)

Temperature range -10 °C – +50 °C

The case of the control elements must be protected from direct sunlight and other heat sources.

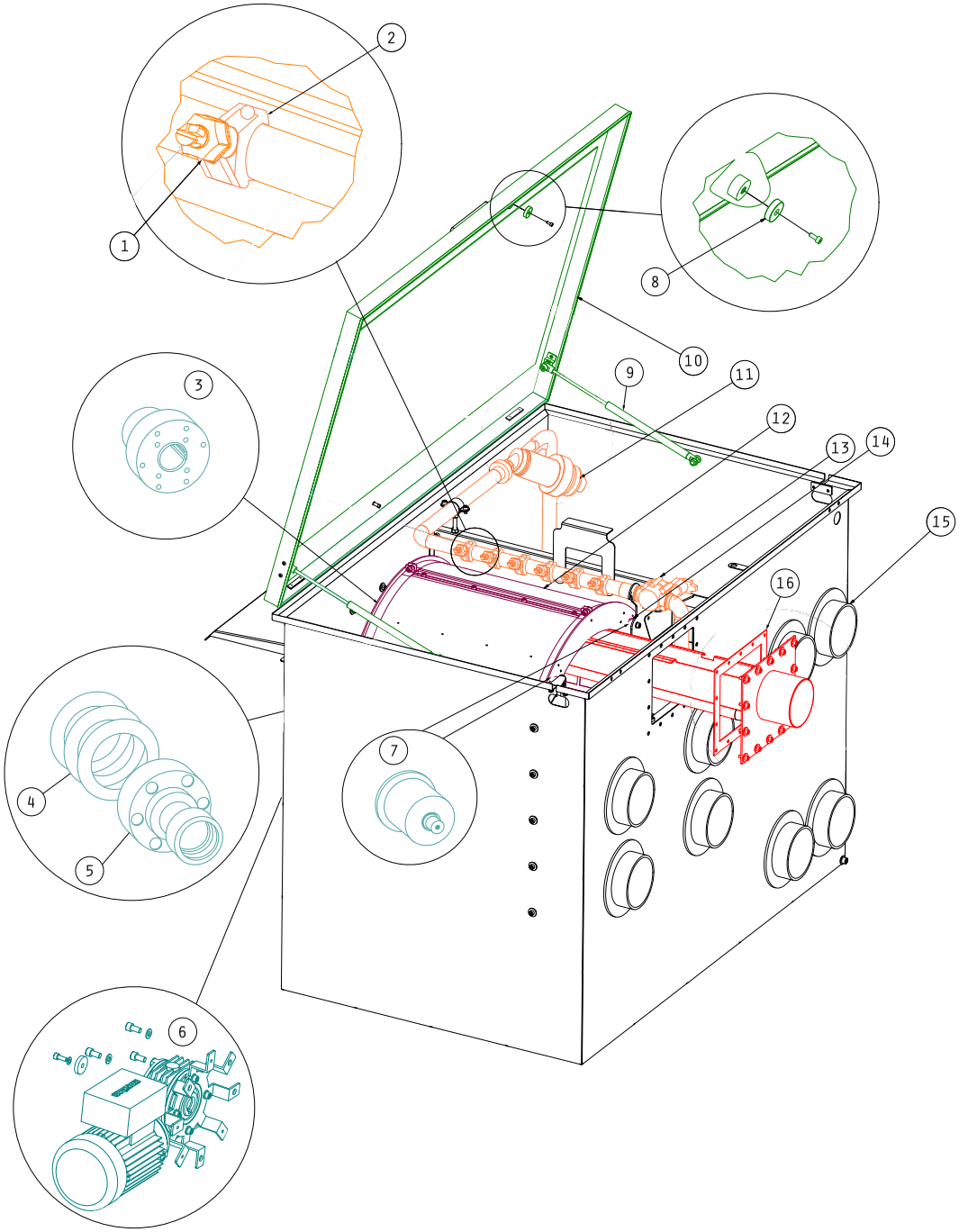
High pressure pump	230 Volt / 50 Hz
Power	0,6 kW
Hmax	42 m
Qmax	45 l/min

Flow rates (degree of pollution: max. ≤ 10 mg/ℓ)

	ITF-30 septem Biokompakt	ITF-50 septem Biokompakt	ITF-80 septem Biokompakt	ITF-120 septem Biokompakt	ITF-160 septem Biokompakt	ITF-240 septem Biokompakt
pumped	20 m³/h	30 m³/h	45 m³/h	60 m³/h	80 m³/h	120 m³/h
gravity	15 m³/h	25 m³/h	35 m³/h	45 m³/h	65 m³/h	100 m³/h
	ITF-30 septem	**ITF-50 septem**	**ITF-80 septem**	**ITF-120 septem**	**ITF-160 septem**	**ITF-240 septem**
pumped	20 m³/h	30 m³/h	45 m³/h	60 m³/h	80 m³/h	120 m³/h
gravity	15 m³/h	25 m³/h	35 m³/h	45 m³/h	65 m³/h	100 m³/h

If the drum filters are operated with either a flow rate, that is too high or with very heavily polluted water, this can lead to extremely frequent rinsing processes up to self-shutdown of the device (continuous flushing protection, see factory setting control times / flushing).

4. Spare parts list



Nr.	Bezeichnung	Art. Nr.
1	Nozzle kit (nozzle, union nut, seal)	IK1564
2	Holder for high-pressure nozzle	IK1000552
3	Drum tappet	
4	Sealing set consisting of 2 x seals and 1 x pressure washer	IK1000680
5	Flange bearing including shaft seals for ITF-30 to 240	IK1000679
6	Geared motor for ITF-30 to ITF-120 & Biokompakt models	IK2039
	Gear motor for ITF-160 & 240 Biokompakt	IK1801
7	Guide roller set for ITF-30 to 120	IK1000681
	Guide roller set for ITF-160 to 240	IK1000682
8	Magnet for lid switch	IK1196
9	Gas Springs	IK1731
10	Lid seal (sold by the meter!)	IK1162
11	Cartridge filter for all drum filters from 2015	IK1577
12	Replacement cover for drum filter ITF-30 from MK V	IK1615
	Replacement cover for drum filter ITF-50 from MK V	IK1616
	Replacement cover for drum filter ITF-80 from MK V	IK1617
	Replacement cover for drum filter ITF-120 from MK V	IK1618
	Replacement cover for drum filter ITF-160 from MK V	IK1677
	Replacement covering for drum filter ITF-240 from MK V	IK1619
13	Magnetic valve for trough flushing Speed Flush (black head / actuator)	IK1845
14	Drum seal for all models 30 - 120	IK1180
	Drum seal for all models 160 - 240	IK1786
15	Tank screw connection / bushing with thread & seal	IK1466
16	Seal for gutter “Speed Flush” from MY 2016	IK1679
	Feather key for keyway / drive shaft diameter 25 mm	IK1702
	Inazuma high pressure pump INA -TEC70c for all filters	IK1607
	Pre-filter for high pressure pump (blue foam)	IK1668

Inazuma-Infohotline: **(+49) 821 - 72 91 972**
Bestellungen an: **vertrieb@inazuma-online.de**

Zertifikat zur Qualitätssicherung

Certificate of quality

Trommelfilter

Drumfilter

Endmontage / Final assembly:

Drehrichtung Motor geprüft
Direction of rotation of the engine ☐

Düsen richtig montiert und positioniert
Position and mounting of the nozzles ☐

Schrauben auf Festigkeit / Dichtigkeit geprüft
Tightness of the screws ☐

Deckel schließt sauber
Lid closes clean and smooth ☐

Gehäuse auf Verzug kontrolliert
Housing is without distortion ☐

Filter von Produktionsrückständen gesäubert
Residues from production removed ☐

Mechanic
Monteur: _____

Versand / Shipping:

Optische Sichtkontrolle des Filters durchgeführt
Visual inspection of the filter ☐

Funktionstest (Drehrichtung, Deckelschalter, Schwimmerschalter, Laufzeit)
Function test (direction of rotation, switch for lid, float control, running time) ☐

Einstellungen an der Steuerung überprüft
Settings of the control unit ☐

Label „UVC –Typenschild – Logo“ angebracht
Labels „UVC-nameplate-logo“ attached ☐

Label „Seriennummer“ angebracht
Label „serial number“ attached ☐

Betriebsanleitung vorhanden
Manual for the drumfilter included ☐

Filter auf Sauberkeit geprüft
Filter checked for cleanliness ☐

Warehouse
Lager: _____

Serial number

Service order / repair movement document

Please fill out this form legibly and completely. If you want a warranty repair, a copy of the proof of purchase as proof of the existing warranty claim is mandatory. Send the form with proof of purchase in advance by fax to (+49) 821 - 7291973 or email to info@inazuma-online.com

Customar data

First name, Last Name

Street, house number

Postcode, town

Phone

Email

Product data

Product name **Serial number**

Date of Purchase **Date of commissioning**

☐ Installation carried out by the end customer

☐ Installation carried out by specialized personnel Stamp / sign (authorized personnel)

Description oft he error / damage

Order placement and confirmation

☐ Chargable repair ☐ Preparation of a cost estimate (1) ☐ Warranty repair (2)

(1) I am informed that cost estimates are subject to a charge and are to be paid with a flat rate of € 49 plus VAT and shipping costs. The flat rate does not apply if a repair order is placed.

(2) Warranty repair: If it turns out during the inspection that there is no warranty claim, the customer will in any case bear the inspection and return costs incurred. In this case, a repair will only be carried out after the customer has approved the order based on a cost estimate.

Do not carry out any repair work on the device yourself.
This can make troubleshooting more difficult or invalidate the warranty!

Datum, Unterschrift

Make sure that the product is packaged with sufficient protection to prevent damage in transit.

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INAZUMA®

FILTERTECHNIK MADE IN GERMANY

You will be amazed!

Inazuma® Drum Filters

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