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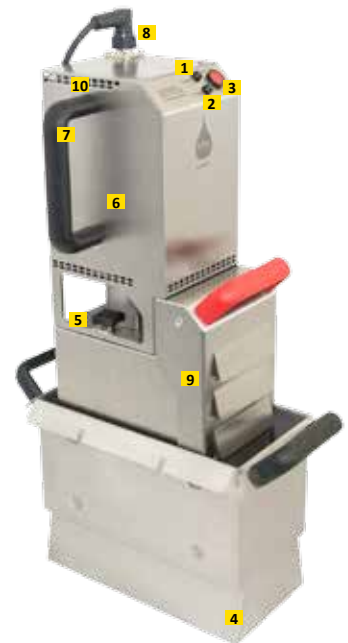
# 1. Product



VITO® 30



VITO® 50



VITO® 80

## 1.1 Product description

1. Power indicator (red LED)
2. Filtration indicator (green LED)
3. Push button
4. Drip pan
5. Star handles (on both sides)
6. Electrical unit
7. Handles
8. Power cord
9. Pump-filter unit
10. Vent slots

## 1.2 Delivery contents

- VITO® oil filter system
- User manual
- Warranty card
- Quick guide
- Spare filters (11pcs.)
- Drip pan

# 2. Legal information

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### 3. Preface

Dear VITO® customer,

thank you for choosing this product by VITO AG.

Please read the manual carefully to familiarize yourself with the handling of your VITO® oil filter system to ensure proper use. Your local dealer and the customer service are available to answer your questions and provide support.

We are grateful for comments and suggestions concerning the VITO® oil filter system and / or the manual. (Please find contact information contained in this manual.)

We hope that you enjoy your VITO® oil filter system for a long time and increase the efficiency in your establishment. With VITO® you own a high-quality oil filter system from which you can expect a long life and efficient support for your work.



### 4. General notes

These operation instructions contain important information about the handling of the VITO® oil filter system. Read this information carefully before using your VITO®. Keep this manual available for more information.

VITO® is an oil filtration system, designed for the cleaning of frying oil / shortening. Frying will contaminate the oil with burned particles. With VITO®, the oil can be cleaned directly in the fryer. Filtering with VITO® prolongs the lifetime of the oil. We recommend filtering with VITO® once or twice a day.

The VITO® particle filter can be used several times before changing. Once the oil stops flowing through the front vents, replace the filter. Used filters should be disposed according to local regulations.

### 5. Safety information / symbol explanation

Wrong treatment of the VITO® can lead to dangers and injuries. The following should be observed. Possible dangers are marked with these signs:



#### Warning

Danger of injury if this is not observed



#### Risk of electric shock

by incorrect use or case opening



#### Danger of slipping

if oil is spilled to the floor



#### Caution

Important security tip



#### Danger of burnings

for the user of VITO® by incorrect application



#### Operation instruction

Information about the handling of VITO® oil filter system

### 6. VITO® 30 / VITO® 50 / VITO® 80 usage

#### 6.1 Designated use

- VITO® is designed for use in commercial kitchens
- Follow the safety instructions! Filtration is only possible if the oil is liquid.
- VITO® should only be used by suitably trained staff!
- VITO® oil filter system is designed for intermittent duty

#### 6.2 Non designated use

The nonobservance of the contents described in the manual can lead to damage or malfunction of VITO®

- VITO® is **NOT** approved for cleaning / filtering of liquids other than frying oil / shortening!
- Do **NOT** use or store VITO® outside! It will be damaged by rain or humidity!
- VITO® is **NOT** designed for continuous duty! Risk of overheating/fire hazard!
- Do **NOT** cover vent slots (VITO® 50 / VITO® 80) (10)!
- Do **NOT** touch the power cord (8) with wet hands!
- Do **NOT** jam or bend the line cord (8)!
- The use of VITO® is **strictly prohibited** for children!
- VITO® must not be operated on a connection other than protection class I

**No liability will be accepted for improper use!**



## 7. Preparation before use

### 7.1 Safety guidelines

- Clean VITO® before using it the first time. (See chapter 10 Care and servicing)
- Make sure that the local voltage is conform to the voltage on the type label of VITO®!
- Do **NOT** get the power cord in contact with hot oil / shortening! (8)
- The maximum operating temperature is 175°C/350°F! (oil temperature)
- Do **NOT** run the pump-filter unit (9) outside the fryer!
- Pay attention to heating elements, grids or thermal sensors in the fryer!
- To lift or transport VITO® only pick it up using the black handles (7)!

### 7.2 Storage of VITO®

The handles of the drip pan (4) can be fastened optionally at the short or the long side.

- Place VITO® always into the drip pan (4), after use or for transport
- Store VITO® only in the drip pan (4)
- Allowed ambient / storage temperature: +10 to +35°C (50° to 95°F)

### 7.3 Filtration duration

The factory settings for one filtration cycle of VITO® is:

- **VITO® 30**: 4,5 min, max. 3 cycles
- **VITO® 50**: 4,5 min, max. 12 cycles (USA models: 6 min, max. 10 cycles)
- **VITO® 80**: 4,5 min, max. 16 cycles (USA models: 6 min, max. 10 cycles)

Upon reaching the maximum number of cycles, VITO® must cool down before used for the next filtration.

#### Cool down phases

- up to 2 hours:
  - VITO® 30**
  - VITO® 50** and **VITO® 80** (if power cord (8) is pulled out)
- approximately 15 min
  - VITO® 50** and **VITO® 80** (if power cord (8) is plugged in)

If the temperature of VITO® is too high, the overheat protection will activate.

(VITO® 80 has additional acoustic beep signal)

- Power Indicator (red LED) (1) "Power" is flashing.
- The filtration process will stop.

### 7.4 Checking the factory settings

Pressing the push button (3) will be confirmed by one flash of the Power indicator (red LED) (1)

1. Press and hold the push button (3)
2. Plug VITO® in.
3. Hold the start/stop button (3) for 5 seconds. (VITO® 80 will beep)
4. Programmed cycle time is displayed by flashing of the indicators
5. The red LED (1) indicates 1 minute per flash  
The green LED (2) indicates 30 seconds per flash  
e.g. 3x red = 3 min  
1x green = 30 seconds  
= duration of filter cycle: 3min 30sec.

### 7.5 Programming the cycle time

To re-program the cycle time, start with the steps in 7.4 checking the factory settings, then:

1. Press push button (3) instantly after cycle length was displayed
2. Press push button (3) to increase the cycle time by 30 sec. (Re-program starts at 0 sec!)  
(e.g. press 3x for 1,5min etc.)
3. Once the designated cycle time is set, wait for the green LED (2) to flash once ( VITO® 80 beeps).
4. Pull out the power cord (8).  
**The new cycle time is now saved.**

### 7.6 Activate/deactivate the beep and set sound level (VITO® 80 only)

To set the sound level of the beep, start with the steps in 7.4 checking the factory settings, then:

1. After the cycle time is displayed wait for the green LED (2) to flash (VITO® 80 will beep additionally)
2. Set the beeper status using the push button (3)

- The indicators show the selected status:  
Red LED (1) = beeper off  
Green LED (2) = half volume  
Red LED + green LED = full volume (1) + (2)  
Pull out the power cord (8).  
**The new settings are now saved.**



## 8. Filtration process

### 8.1 Requirements

VITO® 30 / 50 / 80

- Insert particle filter into the pump-filter unit (9) (See chapter 11 Particle filter change.)
- Latch filter-lid
- Put Electrical unit (6) on pump-filter unit (9)
- Tighten the star handles (5).

### 8.2 Operation notes

- Filtration cycle can be stopped at any time by pressing push button (3).
- Do **NOT** move VITO® while filtration is in progress!
- Only use VITO® in a straight position!
- The Power indicator (red LED) (1) and Filtration indicator (green LED) (2) are lit during filtration process.

### 8.3 Starting the filtration process

1. Make sure that the particle filter is in the pump-filter unit (9)
2. Take VITO® out of the drip pan (4)
3. Put VITO® into the fryer.
4. Ensure a secure standing (for holding brackets see chapter 12 Accessories)
5. Check the frying oil level  
(The oil level must be between the MIN and MAX marking of the pump-filter unit (9)!)
6. Plug in VITO®:  
Power indicator (red LED) (1) is active  
Cooling fan is running (VITO®50 / VITO® 80)
7. Press push button (3)
8. Filtration indicator (green LED) (2) is lit during the filtration.

### 8.4 Finish the process prematurely

1. Press push button (3)  
Filtration indicator (green LED) (2) is off
2. Pull the power cord (8): VITO® 30  
Keep VITO® 50 / VITO® 80 plugged in!
3. Lift VITO®, let oil flow back in the fryer
4. Place VITO® in the drip pan (4)

## 9. Safety functions

### 9.1 Tilt and vibration protection (VITO® 80 only)

If VITO® 80 is tilted more than 15°, topples over or vibrates too strong because of bad placement or mechanical defect, the machine will switch off. Both indicators start flashing and a repeating beep will be heard.

### 9.2 Acoustic signal (VITO® 80 only)

At the end of each cycle VITO® 80 beeps for 5 seconds. VITO® 80 will also beep if any error occurs.

### 9.3 Temperature control

If the temperature of the electrics is exceeded, VITO® stops the filtration.  
The power indicator (red LED) (1) starts to flash and VITO® 80 starts to beep continuous.  
VITO® must be taken out of the fryer to confirm the error by pressing the push button (3)  
The power indicator (red LED) (1) will continue to flash until VITO® is cooled down.

Leave VITO® 50 & VITO® 80 plugged in. VITO® is operational again after approx. 15 min.  
It takes up to 2.5 hours if VITO® is unplugged.



If VITO® takes too long to cool down after a temperature based shutdown, the ambient temperature might be too high or VITO® was left in the fryer. VITO® 80 will continue to beep every 40 seconds. Take VITO® to a cool place and plug it back in to allow the cooling fan to work.

Do **NOT** put VITO® into a cold-storage room! Condensation can destroy the electrics.

## 9.4 Memory

VITO® records the operating times and usage values. These values can be readout using the VITO® Data Reader. (see chapter 12 Accessories)

## 10. Care and servicing

### 10.1 Notes

- Clean pump-filter unit (9) at every particle filter change
- Clean VITO® only if cooled down
- Do **NOT** use abrasives
- Do **NOT** use wire brushes or similar tools

### 10.2 Cleaning preparation

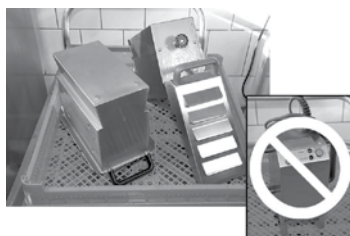
1. Make sure VITO® is cooled down
2. Unfasten star handles (5) on both sides
3. Remove electrical unit (6) from pump-filter unit (9)
4. Open pump-filter unit (9)
5. Dispose particle filter
6. Manual or machine cleaning

### 10.3 Manual cleaning

1. Clean electrical unit (6) only with damp cloth!
2. **DON'T** put VITO® under running water! This can destroy the electrics!
3. Clean the pump-filter unit (9) with soap sud.
4. Dry VITO® with a towel.

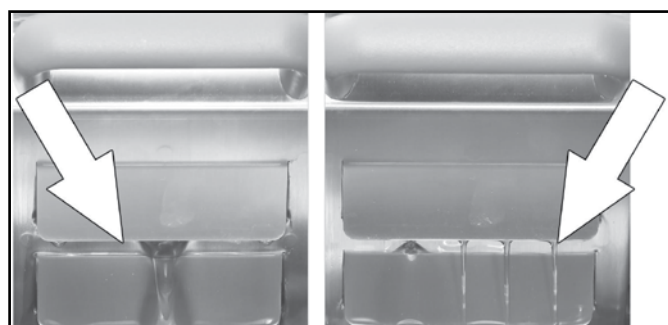
### 10.4 Machine cleaning

1. Clean electrical unit (6) only with a damp cloth! Do **NOT** put the electrical unit (6) into a dishwasher! This will destroy the electrics
2. Put pump-filter unit (9) and the drip pan (4) into the dishwasher. Start the cleaning program..



## 11. Particle filter change

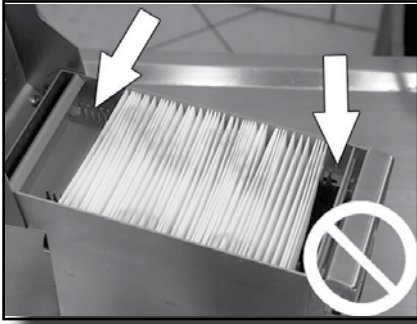
Change the particle filter only if necessary. The time of change is based on usage of VITO® and the degree of pollution of the frying oil.



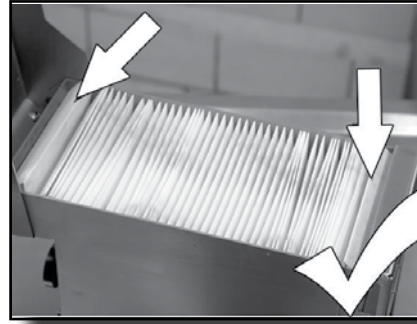
Normal flow

Low flow

Pay attention to the cleaning efficiency and the spill of oil coming out of the pump-filter unit. (9) Change the particle filter only at a low filtration performance.



Do not leave gaps between the filter and the edges of the pump-filter unit (9)

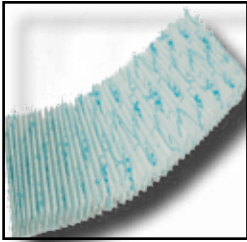


Overlap the last fold on both sides of the pump-filter unit (9)



## 12. Accessories

Additional accessories for your VITO® are available:



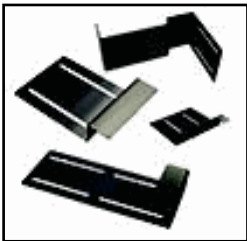
### Spare filters for VITO®

bundle size: 1 box (100 or 50 pcs.)  
 filter area: Vito® 30: 0.17 m<sup>2</sup> (1.82 ft<sup>2</sup>) / VITO® 50/80: 0.26 m<sup>2</sup> (2.77 ft<sup>2</sup>)  
 material: rayon, cellulose  
 mesh size: nom. 20 µm / eff. 5 µm  
 FDA conformity: yes



### VITO® oiltester

Checks TPM of your oil  
 Prevents changing oil too early  
 Ensures high quality  
 Quick temperature check



### Holding Brackets

Keep VITO® in secure standing  
 Customisable for any fryer  
 Reduce vibration



### Wall Bracket

Store VITO® on the wall next to the fryer



### Data Reader

Readout the usage information of VITO®  
 Check the use of VITO® according to HACCP

Need anything else?

Contact us for other solutions. Our customer support will gladly assist you with all questions.





## 13. Waste disposal

### 13.1 Packaging disposal

- The packaging should be recycled  
or
- Keep the packaging carefully

### 13.2 Filter disposal

- Used filters must be disposed in the country-specific way

### 13.3 Device disposal

If VITO® reaches the end of life it must be disposed accordingly.

This disposal is handled by VITO AG as defined by law.

Send VITO® to:

#### VITO AG

Eltastrasse 6

78532 Tuttlingen (Germany)

For further questions please contact your local dealer or the VITO AG customer support

### 13.4 WEEE (Waste Electrical and Electronic Equipment) Statement

To protect the global environment and as an environmentalist, VITO AG must remind you that: Under the European Union (“EU”) Directive on Waste Electrical and Electronic Equipment, Directive 2002/96/EC, which takes effect on August 13, 2005, products of “electrical and electronic equipment” cannot be discarded as municipal waste anymore and manufacturers of covered electronic equipment will be obligated to take back such products at the end of their useful life. VITO AG will comply with the product take back requirements at the end of life of VITO®-branded products that are sold into the EU. You can return these products to local collection points.

## 14. Storage recommendations for particle filters

During storage do not expose the particle filters to extreme temperature or humidity, for example near a heat source, air conditioning or direct sunlight. Heat and cold have a negative effect on the properties of the particle filter, especially after removing or opening the bag packaging.

The particle filter must not be exposed to frost, as this can cause damage to the microstructure of the filter, which impairs the functionality of the particle filter.

Store dry at 60-65% relative humidity

Room temperature 24°C ± 5°C (78°F ± 40°F)

Do **NOT** put weight on pallets

Avoid sudden temperature changes

Store in the cardboard packaging in sealed bag

Maximum height of the filter stack 185cm (6 ft)

Under observance of the above conditions, the storage period will be 3 years.



## 15. Troubleshooting

Malfunction	Possible cause	Remedial action
Power indicator (1) stays inactive	<ul style="list-style-type: none"> <li>Power cord (8) not plugged in</li> <li>Power cord (8) / connector is defective</li> </ul>	<ul style="list-style-type: none"> <li>Plug in VITO®</li> <li>Please contact service</li> </ul>
VITO® makes loud noises at filtration	<ul style="list-style-type: none"> <li>Star handles (5) are too loose</li> <li>Rotor scratches on the fryer</li> <li>Rotor defective</li> </ul>	<ul style="list-style-type: none"> <li>Tighten star handles (5)</li> <li>Alter position of VITO® in the fryer</li> <li>Please contact service</li> </ul>
Power Indicator (1) flashes and/or acoustic indicator is beeping	Sensor switch defective	<ul style="list-style-type: none"> <li>Please contact service</li> </ul>
Power Indicator (1) and filtration indicator (2) flashing (VITO® 80 beeps additionally)	<ul style="list-style-type: none"> <li>VITO® is tilted more than 15°</li> <li>Strong vibrations</li> </ul>	<ul style="list-style-type: none"> <li>Check position of VITO®</li> <li>Check position of VITO®</li> </ul>
VITO® cannot be started	<ul style="list-style-type: none"> <li>Electrical unit (6) defective</li> </ul>	<ul style="list-style-type: none"> <li>Please contact service</li> </ul>
Line fuse / Ground fault circuit interrupter (GFCI) blowout	<ul style="list-style-type: none"> <li>Net protection or other electronic components are blocking</li> <li>Rotor defective</li> <li>Circuit overloaded</li> </ul>	<ul style="list-style-type: none"> <li>Change power outlet, elec. circuit</li> <li>Please contact service</li> <li>Change power outlet, elec. circuit</li> </ul>
Low filtration performance	<ul style="list-style-type: none"> <li>Particle filter is full</li> <li>Pump pipe is blocked</li> <li>Motor is defective</li> </ul>	<ul style="list-style-type: none"> <li>Change filter</li> <li>Empty pump-filter unit (9)</li> <li>Please contact service</li> </ul>
Oil splashes at sides / on top	<ul style="list-style-type: none"> <li>Particle filter blocked</li> <li>Too much space between filter lid and pump filter unit (9)</li> <li>Filter is inserted incorrectly</li> </ul>	<ul style="list-style-type: none"> <li>Change filter / clean unit</li> <li>Adjust filter sealing sheet</li> <li>Insert filter correctly</li> </ul>
LEDs flash 10 sec. after plugging in	<ul style="list-style-type: none"> <li>Push button (3) is defective</li> </ul>	<ul style="list-style-type: none"> <li>Please contact service</li> </ul>

Should other issues appear, get in contact with the customer support or your local dealer!  
Contact details on page 2 chapter Legal information.



## 16. Technical data

	VITO® 30	VITO® 50	VITO® 80
<b>Nominal voltage according to country, see type sign</b>	220 to 240 V ~ ±10% 50 to 60Hz 100 to 120 V ~ ±10% 50 to 60Hz	220 to 240 V ~ ±10% 50 to 60Hz 100 to 120 V ~ ±10% 50 to 60Hz	220 to 240 V ~ ±10% 50 to 60Hz 100 to 120 V ~ ±10% 50 to 60Hz
<b>Nominal current under load</b>	Approx 1,1 A at 230 V Approx 2,2 A at 115 V	Approx 1,2 A at 230 V Approx 2,4 A at 115 V	Approx 2,0 A at 230 V Approx 4,0 A at 115 V
<b>Max. power / Nominal Power</b>	300 W / 253W	300 W / 276 W	500 W / 460 W
<b>Noise level</b>	< 85db	< 85db	< 85db
<b>User control</b>	push button (3)		
<b>Temperatures in use</b>	Electrical unit (6) up to max. 75°C (167°F) pump-filter unit (9) up to max. 200°C/392°F (short time) pump-filter unit (9) up to max. 180°C/356°F (permanent) (recommended frying temperature max. 175°C/347°F)		
<b>Storage temperatures</b>	10°C/50°F to max. 30°C/86°F (At higher temperature less cycles)		
<b>Dimensions (W x H x L) (without handles) (7)</b>	116 x 356 x 176 mm 4,6 x 14 x 6,9 in	116 x 400 x 191 mm 4,6 x 15,8 x 7,5 in	116 x 491 x 185 mm 4,6 x 19,3 x 7,3 in
<b>(with handles) (7)</b>	116 x 356 x 192 mm 4,6 x 14 x 7,5 in	195 x 400 x 205 mm 7,7 x 15,8 x 8,1 in	210 x 491 x 199 mm 8,3 x 19,4 x 7,8 in
<b>With drip pan (4)</b>	155 x 386 x 304 mm 6,1 x 15,1 x 12 in	195 x 425 x 325 mm 7,7 x 16,8 x 12,6 in	210 x 554 x 324 mm 8,3 x 21,8 x 12,8 in
<b>Weight</b>	VITO® : 6,3 kg (14,2 lbs) Drip pan: 0,9 kg (2 lbs)	VITO® : 7,4 kg (16,3 lbs) Drip pan: 1,3 kg (2,9 lbs)	VITO® : 9,2kg (20.3 lbs) Drip pan: 1,6 kg (3,5 lbs)
<b>Acoustic signal</b>	no	no	yes
<b>Taking particles</b>	0,9l / 2,0lbs	1,3l / 2,9lbs	3,5l / 7,8lbs
<b>Application</b>	Ideal for e.g. 2 x 10l	Ideal for e.g. 4 x 10l or 2 x 25l	Ideal for gas or electrical fryers with e.g. 4 x 20l
<b>Filter</b>	Folds: 30 Material: pulp, cellulose FDA-CFR 21	Folds: 43 Material: pulp, cellulose FDA-CFR 21	Folds: 43 Material: pulp, cellulose FDA-CFR 21
<b>Operation</b>	Intermittent operation		

## 17. Declaration of conformity

Issued by

**VITO AG**  
Eltastrasse 6  
78532 Tuttlingen (Germany)

for the products  
**VITO® 30, VITO®50, VITO®80**  
**EU Patent No. 1326692**  
**U.S. Patent No. US7.052.605.B2**



The professional oil-filtration-equipment is manufactured and tested according to the following standards:

For the purposes of the EC – **Machinery Directive 2006/42/EC**, were designed and manufactured.

This declaration applies to all identical copies of the product.

The following harmonized standards are applied:

**DIN EN 12100**, Safety of machinery, equipment and facilities

**DIN EN 60204.1**, electrical equipment for industrial machinery

The product, mentioned above, meets the following basic requirements that laid down in Council Directive on the approximation of the laws of the member states relating to electromagnetic compatibility (2004/108/EC).

The following standards are applied:

**EN 55014-1:2006** electromagnetic compatibility, electromagnetic interference

**EN55014-2:1997 + A1:2001** electromagnetic compatibility, immunity

**EN 61003-2:2006** devices with analog inputs, limits, devices <16A

**EN 61003-3:2008** voltage fluctuation devices <16A

Tuttlingen, December 08, 2014



A blue handwritten signature of Andreas Schmidt.

Andreas Schmidt  
CEO  
VITO AG



