



1. BASIC INFORMATION

1.1 Introduction

This manual contains all necessary information about safety, installation, commissioning and maintenance.

This product is produced and designed in accordance with applicable EC directives. To preserve this status, this unit must be installed, repaired and maintained by skilled personnel and genuine spare parts must be used. For advice when technical service or spare parts are needed, contact Absolent or your nearest authorized dealer. You will find details on who to contact under the heading: "Technical Support".

1.2 Range of Application

The ODF filter unit is designed for cleaning air containing oil mist* only. Use of the filter unit for other applications is not permissible, unless the manufacturer guarantees its proper function. If the ODF filter unit is used in applications where there are traces of graphite, lead or chrome, you might need to clean or change filter cassettes more often.

* From cutting fluids like emulsion, synthetical oil or/and mineral oil.



Read and understand the user's manual before beginning work in the filter unit.

1.3 Contents:

1	Basic information2
1.1	Introduction2
1.2	Range of Application2
1.3	Contents2
2	Approved to CE-directives, UL
	and CSA standards3
3	List of Warning Signs3
4	Safety Precautions4
5	Transport at site/Mounting/
	Installation5
5.1	General5
5.2	Transporting the Unit at the site5
5.3	Floor Mounting5
5.4	Installation at the site6
6	Technical Details, ODF6
7	Operation / Design7
8	Electrical Connections8
8.1	General8
8.2	Wiring the Motor for Direct On-line
	Starting
8.3	To Check the Fan's Direction of
	Rotation8
9	Starting the Filter Unit for the
	First Time8
9.1	Inspection before Initial Start8
10	Care / Maintenance9
10.1	General9
10.2	Service Schedule10
11	Handling the Filter Cassettes 10
11.1	General
11.2	Filter positioning11
11.3	Instructions for Replacing Filter
	Cassettes 11
11.4	Worn Out Filter Cassettes
11.5	To Clean Filter Cassettes
11.6	Not cleanable Filter Cassettes12
12	Accessories13
12.1	Return Liquid Hose13
12.2	Liquid Trap13
12.3	Liquid Trap Receptacle
12.4	Extension Legs14
12.5	Spray System14
12.6	Motor Protection
12.7	Frequency Inverter14
12.8	Carbon Filter Cassette14
12.9	Differential Pressure Monitor
13	Fault Tracing16
14	Spare Parts17
15	Technical Support17
-	
16	EC Declaration of conformity18



2. APPROVED TO CE-DIRECTIVES, UL AND CSA STANDARDS

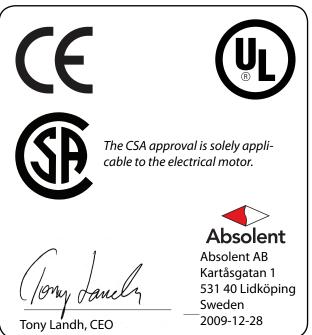
The ODF product line is approved to:

Machine directive Electromagnetic Compatibility (EMC) Low Voltage Directive (LVD)

2006/42/EG 2004/108/EG 2006/95/EG

EC declaration of conformity, see chapter 16

All electrical components are UL approved. The electrical motor is CSA approved.



US CA 3. LIST - WARNING SIGNS					
Reed and understand technical manual before servicing this machine.	Warning - Read the user's manual Read and understand the user's manual before beginning any work in the filter unit. This sign is located on the right-hand side of the filter unit.				
AZARDOUS VOLTAGE. Disconnect power before servicing.	Warning - Dangerous voltage All electrical work must be carried out by qualified electricians. This sign is located next to the control cabinet.				
Tip over hazard. Do not move this equipment without mechanical assistance.	Warning - Tip risk The filter unit has a high centre of gravity and with that a risk of tipping. In order to avoid personal injury, read the lifting instructions under the heading: "Transporting the Unit at site/Mounting/Instal- lation". This sign is located on the packaging and on the right-hand side of the filter unit.				
CAUTION Heavy object. To evoid muscle strain or back fully, use lifting adds and proper lifting techniques when removing or replacing.	Danger – Heavy products The filter cassettes are heavy. Check the weight of the relevant filter cassette before handling. Particulars of their weight is located on the rating plate of the filter cassette and under the heading: "Handling the Filter Cassettes".				
Equipment starts automatically. Lockout and tagout before servicing.	Warning – Rotating parts Consider that the filter unit/and pump can be started up by a timer, remote control or by a metal working machine connected to it. This sign is located on the right-hand side of the filter unit.				
Image: Warning with the second seco	Warning - Risk of injury Caution the filter unit can contain fluids dangerous to health. Refer to the product sheet for the fluids in question before handling. This sign is located on the right-hand side of the filter unit.				



4. SAFETY PRECAUTIONS

Type of warning	Warning text
Danger	 Warning - Hazardous voltage! The filter unit works with a high electrical voltage. The electrical installation must be performed by qualified electricians. Disconnect the power supply to the filter unit before it is opened and/or before starting work on the filter unit. Warning - Do not connect the filter unit to explosive gases! Do not connect the filter unit to processing machines that can bring about an explosion risk. Furthermore, the filter unit must not be connected to media
	that are highly inflammable without preventative measures being taken to stop the spread of the explosion or fire to the filter unit. Caution - Read and understand the user's manual!
Skilled personnel	Read and understand the user guide before working on the filter unit. Caution - Qualified personnel only! All work concerning transport, installation and maintenance must be performed by qualified personnel.
	Risk of trapping injury! Do not insert your hand into the filter unit when the fan is running. Do not wear loosely hanging clothing near the fan when operational. These can be sucked into the fan or get caught.
Risk of	Risk of tipping over! Always check the weight of the filter unit (technical data, heading 7) before lifting. When equipped with an integrated fan unit the centre of gravity of the filter unit is relatively high. When transporting the filter unit, secure well - an alternative can be to transport the filter unit horizontally.
personal injury	Heavy products! Filter cassettes are heavy. Check the current weight of the filter cassette be- fore handling. Weight details can be found on the filter cassette's rating plate and under heading 11 "Handling the filter cassettes". Lifting equipment or the like must be used during service and inspection work above the ground.
	Risk of slipping! Keep the floor clean. Remove oil spill to prevent injury due to slipping.
	High noise levels! If the sound level at the control panel/workplace exceeds 75 dB(A) ear protec- tion must be worn.
	Dangerous fluids! Use requisite personal safety equipment with all types of service work, as the filter unit can contain liquids dangerous to health. Refer to the product sheet for the liquids in question before handling.
	Caution when recirculating air back into the building! Note that in its standard design the filter unit does not separate gas molecules.

US CA 5. TRANSPORT AT SITE / SET UP / INSTALLATION

5.1 General

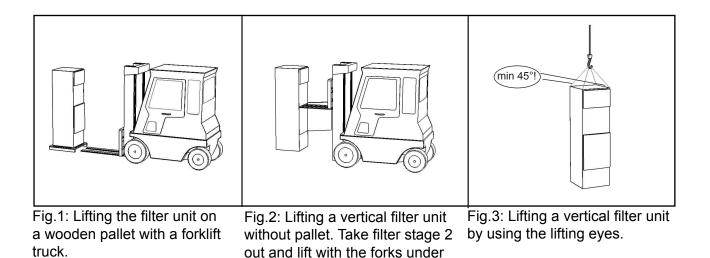
When unpackaging the filter unit please check that it has not been damaged during transport. If a claim is necessary, contact the shipper.

5.2 Transporting the Unit at the site

The filter unit is delivered on a wooden pallet and is wrapped in plastic foil. ODF 1000 and 2000 have a high centre of gravity, so there is risk for tipping over. Secure the filter unit properly or transport ODF 1000 and 2000 lying down. To prevent damage, allow the packaging to remain on the sections until it is time to install them. Dependent on differences in construction, there are different instructions for how to lift ODF 800, 1000C, 1000 and 2000. ODF 800: Lift on truck forks or use lifting straps with spacers around the unit. ODF 1000C: Attach the lifting device to the existing lifting eyes at the top of the filter unit. ODF 1000 & ODF 2000: Screw lifting eyes (accessory) into the holes at the top of the filter

unit. See fig. 3.

For lifting, use any of the following methods:



5.3 Floor Mounting

The floor on which the filter unit is placed must be flat and firm. The floor or base must be designed so that it will support the weight of the filter unit. When mounting the filter unit and ductwork, tubes and electric cables, allow sufficient open space in front of the service doors so that they can be opened freely (see fig. 4) and that the interior components such as the filter cassettes can be withdrawn and removed as needed.

the crossbeam.

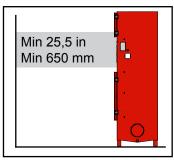
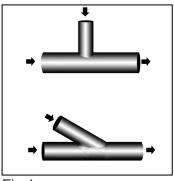


Fig. 4

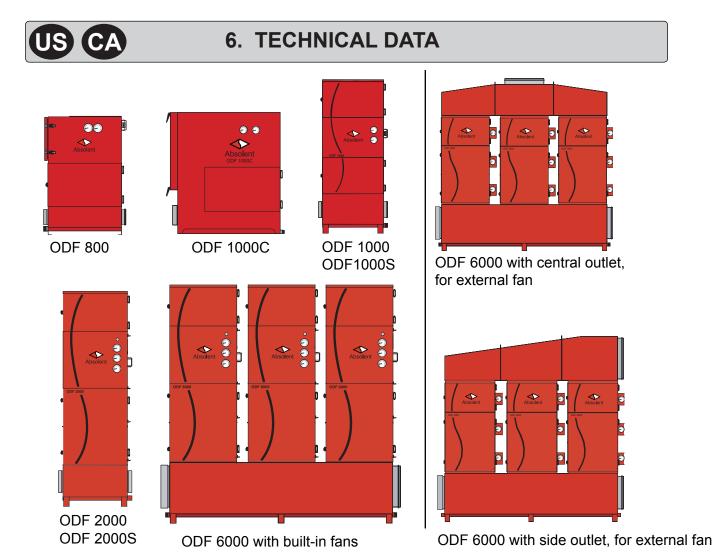
CA 5. TRANSPORT / SET UP / INSTALLATION cont.

5.4 Installation at the site

- 1. Place the filter unit at its point of destination and bold it to the floor.
- 2. Open the service door and check that the filter cassettes are secured. The filter cassettes are properly secured when the retainer arms point upwards. If a filter cassette has become loose during the transport, secure it and close the service door. (How to secure: see 11.3)
- 3. Connect the drainage. Connect a liquid trap to the drainage (see fig 1). It is important that air is not sucked backward through the drainage so it blocks the return oil. Instead of a liquid trap, it is possible to connect a hose that empties under the surface of liquid in an open bucket or to an airtight receptacle. For available liquid traps, see "12 - Accessories".
- 4. Connect the suction pipe with a control damper. When using a branch pipe the recommended connection is a 30° elbow, as this gives a low pressure drop for the entire installation.
- 5. The next step is to connect the filter unit to electricity. Fo rmore information on handling, see 8. "Electrical connection".









6. TECHNICAL DATA (cont.)

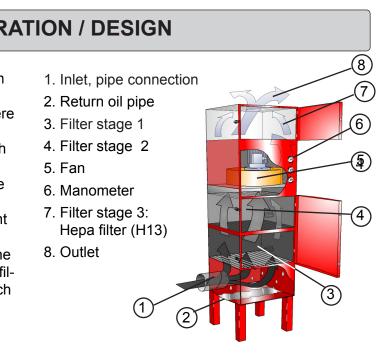
		Filters with built-in fans				Filters with external fan			
		ODF 800	ODF 1000C	ODF 1000	ODF 1000S	ODF 2000	ODF 2000S	ODF 6000	ODF 6000
Height, centred outlet	[inch] [mm]	-	-	61.2 1555	61.2 1555	81.1 2060	81.1 2060	89.6 2275	86 2185
Height, side outlet	[inch] [mm]	39.4 1000	39.4 1000	-	-	-	-	-	90.5 2305
Width	[inch] [mm]	24.4 620	33.3 845	24.4 620	24.4 620	24.4 620	24.4 620	53.9 2120	53.9 2120
Depth	[inch] [mm]	11.8 350	24.4 620	24.4 620	24.4 620	24.4 620	24.4 620	24.4 620	24.4 620
Std. inlet connection	[inch] [mm]	ø5.9 ø125	ø6.3 ø160	ø6.3 ø160	ø6.3 ø160	ø7.8 ø200	ø7.8 ø200	ø15.7 ø400	ø15.7 ø400
Std. outlet connection	[inch] [mm]	-	-	-	-	-	-	-	ø15.7 ø400
Std. return oil connection	[inch]	R11/4"	R11/4"	R11/4"	R11/4"	R11/4"	R11/4"	R11/4"	R11/4"
Weight with dry filters	[lbs] [kg]	143 65	242 110	253 115	253 115	474 215	474 215	1268 575	1069 485
No of filter cassettes									
Prefilters	[pc]	1	1	1	1	2	2	6	6
Absolute filters	[pc]	1	1	1	1	1	1	3	3
Performance									
Max.airflow	cfm [m³/h]	355 600	590 1000	590 1000	295 500	1180 2000	590 1000	3530 6000	3530 6000
Noise level (1m in front of the filter unit)	[dB(A)]	65	64	64	64	70	70	75	-

7. OPERATION / DESIGN

ODF

Contaminated air is sucked into the inlet in the bottom section of the assembled units and passes through an Absolent filter where most of the oil particles are trapped. The pre-filter becomes saturated with oil, which is drained into a collector pan. The oil is then led back to the machine, a receptacle or a central cleaning system.

The air proceeds through another Absolent filter where any remaining larger particles are filtered out (ODF 2000 and higher). The air is then sucked up through the fan and filtered through the Absolute filter, after which it is usually clean enough to be returned directly to the premises.





8. ELECTRICAL CONNECTIONS



Warning - Dangerous voltage

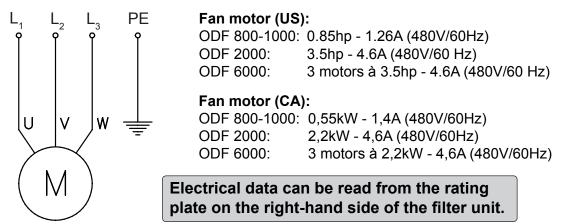
All electrical work must be carried out by gualified electricians.

8.1 General

The Absolent filter units are standardly equipped with wired cables from the fan to the terminal blocks on the side of the filter unit. For the warranty to apply, a qualified person must carry out all the electrical wiring in accordance with local regulations. If the filter unit is equipped with extra electrical equipment, this equipment shall be wired according to the wiring diagram supplied.

The Absolent oil mist and oil smoke filter unit can be customized to meet your needs. The range of accessories includes starting equipment and other electrical periphery equipment. The most common accessories are described under the heading "Accessories"

8.2 Electrical connection of the fan motor for direct start



CA 8. ELECTRICAL CONNECTIONS (cont.)

8.3 Checking the fan's direction of rotation

Make sure that the fan impeller rotates in the correct direction (counter-clockwise viewed from the motor side). If you are unable to see the motor while the impeller is rotating, start the fan, read the pressure drop across the filters from the pressure gauge, stop the fan, transpose two phase leads, restart the fan and read the pressure drop again. The connection that gave the highest pressure drop is the correct one.

Note: For ODF 2000HP, the fan impeller rotates clockwise viewed from the motor side.

US CA 9. FIRST START OF THE FILTER UNIT

9.1 Inspections before initial start of the filter unit

- Check that the filter cassettes are properly tightened.
- · Check that the service doors are closed and secured.
- Check that the air outlet is unblocked.
- Check the fan's direction of rotation (see 8.3).

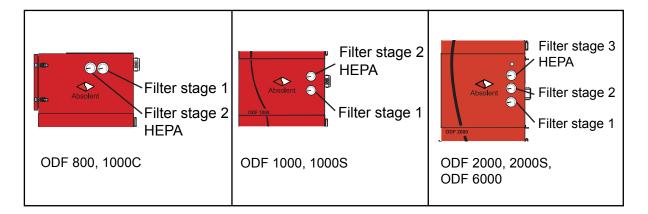


10. CARE / MAINTENANCE

10.1 General

Preventive maintenance and regular service extend the life span and ensure that the filter unit maintains its performance.

To facilitate inspection of the filter cassette status, Absolent supplies pressure gauges for each filter stage as standard equipment. These are positioned on the front of the filter unit as shown in the diagram below:



The pressure gauges are graduated in [Pa] and contain green, yellow and orange sectors. The filter cassette is to be replaced when its pressure gauge has reached the orange sector. The yellow sector is a warning that the filter cassette replacement is to be planned. For a service contact, see the heading "Technical Support".

If the filter stage is used with the pressure drop within the orange sector, the filter unit gives a reduced air volume.

Note however, that the filter unit will not be damaged when operated with a clogged filter stage, but the required air flow will not be attained. Handling during service is described under "Changing the filter".



10. CARE / MAINTENANCE (cont.)

10.2 Service schedule

Action	Monthly	Six monthly	Annually
Filter cassettes Establish filter cassette status by reading each pressure gauge	X ¹⁾		
Bottom section / Drainage Check that the return oil pipe is not blocked	X ²⁾	X ²⁾	
Fan Check taht there is no abnormal noise or vibration			X

¹⁾ In order to get to know your new installation, the filter cassettes should be checked once a month during the first six months the filter unit is in use. The service interval is then adapted according to the installation in question. However, no longer than six months between inspections. Note that when the pressure drop enters the yellow sector, the inspection interval must be increased as the pressure drop now increases quicklier.

²⁾ In order to get to know your new installation, the bottom section and drainage should be checked once a month during the first six months the filter unit is in use. The service interval is then adapted according to the installation in question.



11. HANDLING THE FILTER CASSETTES



Warning! Use requisite personal protection equipment when performing service work on the filter unit. Lifts or the like must be used when carrying out service work above the ground.

11.1 General

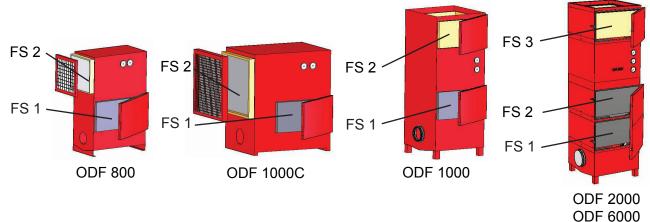
Filter cassettes are heavy, especially when filled with fluid after a period of use. Below is a table of weight for the different filter cassettes available. The type designation of the supplied filter cassette can be found on the rating plate located on the front of the filter cassette.

Filter type	Filter cassette type	Weight new cassette (dry)	Weight fluid filled cassette	clean- able
ODF 800	Filter stage 1: S3B1/300	30 lbs / 14 kg	44 lbs / 20 kg	yes
	Filter stage 2: HEPA TREA 340/300	11 lbs / 5 kg	-	no
ODF 1000,	Filter stage 1: S3B1/595	42 lbs / 19 kg	75 lbs / 34 kg	yes
ODF 1000C	Filter stage 2: HEPA TRSA-N 595x292	26 lbs / 12 kg	-	no
ODF 2000,	Filter stage 1: S3/595	42 lbs / 19 kg	75 lbs / 34 kg	yes
ODF 6000	Filter stage 2: S3B1/595	42 lbs / 19 kg	75 lbs / 34 kg	yes
	Filter stage 3: HEPA TRSA-N 595x292	26 lbs / 12 kg	-	no
ODF 1000S	Filter stage 1: S10B3/595	42 lbs / 19 kg	75 lbs / 34 kg	no
	Filter stage 2: HEPA TRSA-N 595x292	26 lbs / 12 kg	-	no
ODF 2000S	Filter stage 1: S1/595	42 lbs / 19 kg	75 lbs / 34 kg	no
	Filter stage 2: S10B3/595	42 lbs / 19 kg	75 lbs / 34 kg	no
	Filter stage 3: HEPA TRSA-N 595x292	26 lbs / 12 kg	-	no

11. HANDLING THE FILTER CASSETTES (cont.)

11.2 Filter positioning

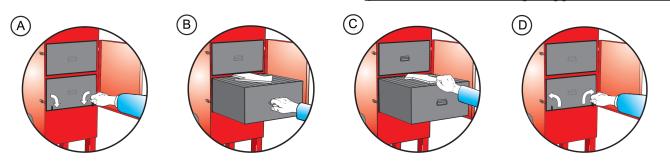
CA



11.3 Instructions for Replacing Filter Cassettes

- 1. Read and note down the values on the pressure gauges on the different filter stages when the filter unit is in operation.
- 2. Turn off the fan and disconnect the filter unit from electricity.
- 3. Open the service door.
- 4. Loosen the cassettes by turning the retainer arms as shown on pict. A.
- 5. Remove the filter cassettes for which the pressure drop exceeds the service level (the manometer has reached the yellow/orange area, see Service/Maintenance), see pict. B. When replacing filter 1, check to see that there is no dirt on the bottom of the filter unit.
- 6. Check that the sealing strip on top of the filter cassette is not damaged before you
- push in the new filter cassette. (pict. C).7. Secure the filter cassette (pict. D) and close the service door.
- 8. Start the fan and check the pressure drop.

Note! If the supply air has a high content of chips or shavings, inspect and clean the drain opening upstream of the return oil tank/pump more often to prevent it from becoming clogged.



11.4 Worn out filter cassettes

When the filter cassette is worn out, it must be cleaned. The used cleaning liquid must then be transported to an appropriate installation for destruction. After cleaning, the cassettes can be pressed together and shipped to a disposal facility or they can be dismantled. The sheet-metal casing and the aluminium separators can be recycled. The filter medium can be sent to a disposal facility or for incineration depending on local regulations.

US CA 11. HANDLING THE FILTER CASSETTES (cont.)

11.5 To clean filter cassettes (does not apply to ODF 1000S and 2000S)

Filter cassette No. 1 (lowest) and No. 2 (centre; does not apply ODF 800, 1000, 1000C) can be washed several times*). Wash with water-based degreasing agent in a chamber washer (Figure C), max. permissible water temperature: 194°F / 90°C.

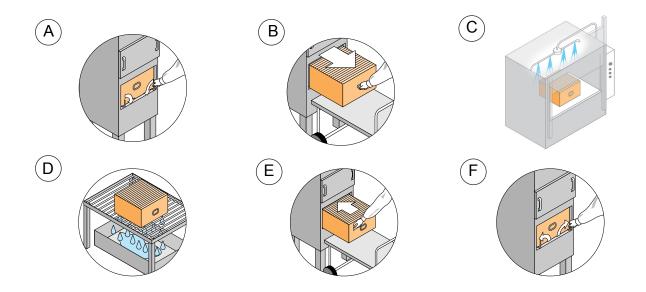
After washing, the filter must be left to dry until it no longer drips before it can be used again (Figure D). The filter continues to dry in the filter unit.

The Absolute filter is not washable and must be replaced when the pressure drop exceeds the "service required" level.

If you do not have a chamber washer, you can place the filter cassette in a tub filled with water mixed with a water-based degreasing agent for 4-8 hours. Then allow the filter cassette to finish dripping before you flush it clean with a high-pressure washer. However be careful not to damage the separators when you spray them under high pressure. The result of this cleaning method is doubtful and should therefore be tested from case to case.

Check that the sealing strip is undamaged before you refit the filter cassette. The sealing strip must face upward.

*)The useful life of the filter may vary after washing from comparable to a new filter to reduced, depending on the type of impurities it is exposed to.



11.6 Not cleanable filter cassettes

Filter cassettes which include material for smoke filtration are not cleanable. This means that ODF 1000S and ODF 2000S cassettes cannot be cleaned. Hepa filters cassettes are not cleanable either.



12. ACCESSORIES

A number of accessories are available for the type ODF Absolent oil mist filter. Installation instructions for these are described on the following pages. However, note that the products must be ordered separately.



12.1 Return Liquid Hose

The return liquid hose is designed for connection to the return oil pipe of the filter unit.

The outlet of the liquid trap is not to discharge liquid in such a way that the liquid can damage adjacent building elements.

Correct installation of the liquid trap is very important due to the normal subatmospheric pressure inside the filter unit. It must fit tightly against the filter unit and the outlet must be lower than the liquid level.





12.2 Liquid Trap

The liquid trap is designed for connection to the return oil pipe of the filter unit.

The outlet of the liquid trap is not to discharge liquid in such a way that the liquid can damage adjacent building elements.

Correct installation of the liquid trap is very important due to the normal subatmospheric pressure inside the filter unit. It must fit tightly against the filter unit and it must be filled with liquid.





12.3 Liquid Trap Receptacle

The liquid trap is designed for connection to the return oil pipe of the filter unit.

The liquid trap receptacle consists of a tight receptacle that is transparent enabling the operator to see the level of liquid in the receptacle.





12.4 Extension Legs

Used when it is desirable to raise the filter unit above floor level to enable the use of a liquid trap, for instance.

The standard legs raise the filter unit 11.8 in/300 mm above the floor.





12.5 Spray System

If the impurities are "too dry" or if they contain liquid particles with excessive viscosity (sluggish), this drastically reduces the self-cleaning capability and useful life of the filter unit.

To increase the liquid content in the impurities and/or reduce the viscosity, small liquid droplets are sprayed from a nozzle into the air.

The liquid added must be able to dissolve the impurities separated in the filter. Water is used for emulsions. The spray nozzle is mounted in the inlet duct of the filter unit.

The spray nozzle is controlled by a time relay with adjustable pause and spray period. For instructions on safety, installation and maintenance, see the separate instructions for use!





12.6 Motor Protection

The ODF filter units with built-in fan can be supplied with a mounted protective motor contactor.



12.7 Frequency Inverter

The ODF filter units with built-in fan can be supplied with frequency converter and constant pressure control. Contact your nearest Absolent dealer for more information.



12.8 Carbon Filter Cassette

If the contaminated air contains gas or odours, the particle filter stage can be replaced by AFK carbon filter cassettes.



12.9 Differential Pressure Switch

General

The types DTV-2000 and DTV-5000 Differential pressure switches are designed to indicate a certain pressure drop across the Absolent filter cassettes.

The pressure switch can be equipped with a LED (24V) that lights up when it is time to change the filter cassette. It can also transmit a potentialfree signal that can be accessed on the machine operator's computer monitor or be transmitted to a central maintenance department.

Function

The pressure in the tube connected to P1 is compared with the pressure connected to P2. When the differential pressure exceeds the preset set point changeover contact occurs.

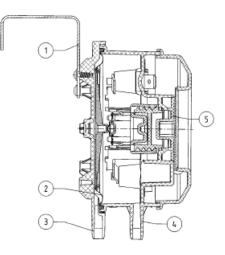
A knob behind the cover can be used to preset the set point. The knob setting is visible when the cover is closed.

The factory-preset switching differential is permanent. Installation and service is facilitated in that the cover only has one screw fastener.

Structure

The pressure switch consists of a fibre glass reinforced plastic sensor housing fitted with a diaphragm made of synthetic material. The differential pressure influences the springsuspended diaphragm which is linked to a changeover contact.

- 1. Angle bracket
- 2. Diaphragm
- 3. High pressure connection, P1
- 4. Low pressure connection, P2
- 5. Scale (switching point setting)





Technical data

Type: Adjustment range:

(ODR3000) Contact data:

Switching differential: Electrical connections: Ambient temp.: Storing temp.: Max. diff. pressure: Pressure connections:

Material, diaphragm: Angle bracket:

Degree of Protection: Weight: CE:

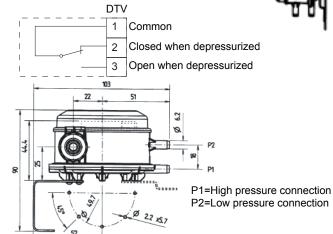
DTV-2000 and DTV-5000 DTV-2000:500-2000Pa (ODR2000) DTV-5000:1000-5000Pa

1A, 250 VAC, changeover contacts See above Screw terminal, PG11 gland -4.....+185°F / -20...+85°C -40...+185°F / -40...+85°C 5000 Pa Nipples for hose with female ø0.2in / ø6 mm Material, sensor housing: Glass fibre reinforced plastic material Silicone, LSR Galvanized sheet steel, two 0.2in / 5 mm dia. fastening holes, 1.5in / 40 mm between the centres IP54 0.26 lbs / 0.12 kg The product conforms to the provisions of the European LVD Standard IEC669-1 and IEC669-2 and is CE-labelled.

Installation position

Vertical installation is recommended (factory calibrated)

Dimensions and Wiring





13. TROUBLE SHOOTING

Malfunction	Possible cause	Remedial Measure
	The fan rotates in the wrong direc- tion.	Check the fan's direction of rotation (only skilled personnel).
	With speed (rpm) regulation: The fan speed (rpm) is set too low.	Check the fan speed (rpm) (only skilled personnel).
Low capacity	Too high pressure drop over one or more filter cassettes.	Check the pressure drop. If one of the pressure gauges is in the yellow sector, one of the filter cassettes should be replaced.
(air flow)	High pressure drop in the duct system.	Check and possibly change the duct system.
	Adjustable damper is closed or incorrectly adjusted.	Check and possibly adjust the damper on the suction pipe between the machine and filter.
	The ducts are not sealed or dirty.	Check that there is no leakage from the suction pipe between the machine and fil- ter. Check that the ducts don't contain dirt.
Abnormally short	An incorrectly positioned or dam- aged sealing strip can result in leakage past filter stages 1, 2. Resulting in unfiltered air reaching the HEPA filter.	Check that filter stages 1, 2 are fitted with the seal upward. Also check that the seal- ing strip is undamaged.
replacement interval for the HEPA filter:	Cassettes that are not secured can result in air leakage past the filter cassettes. Unfiltered air will then reached the HEPA filter.	Check that filter stages 1, 2 are secured against the sealing frame correctly.
	The filter cassette in stage 1 and/or 2 are not optimised for the application in question.	Check with Absolent that the correct filter cassette is being used in filter stage 1, 2 for the application in question.
	The filter cassette in stage 1 and/or 2 are not optimised for the application in question.	Check with Absolent that the correct field cassette is being used in filter stage 1 and/or 2 for the application in question.
Abnormally short service interval for the prefilter:	The filter cassettes have become clogged on account of high vis- cosity in the oil mist, which gives insufficient drainage.	If emulsions are used, filter clogging may be due to the filter running when produc- tion has stopped, which dries out the filter cassette (water evaporates). Consequent- ly, switch off the filter unit when not in use. If the fluid in the process has a high viscosity, it is necessary to apply fluid with a spray system (heading 12).
the preniter.	The filter cassettes have become clogged.	Check that chips have not been drawn down with the air into the filter unit. The problem with chips can be solved by calibrating the air flow or coarse filtering before the filter unit. Also check that sticky particles have not clogged filter stage no. 1 (for example, in foundry applications). Contact Absolent for appropriate measu- res.

US CA

14. SPARE PARTS

Absolent has a complete range of spare parts, which ensure the operation of installations.

Please supply the filter unit's serial number and the part number in order to guarantee delivery of the correct spare parts. These can be found on the machine plate, which is located on the right-hand side of the unit. See figure 1.

When ordering filter cassettes, the above details should be supplemented with the filter cassette's material code. This can be read on the filter cassette's rating plate by "type". See figure 2.





Fig. 2



15. TECHNICAL SUPPORT

Absolent has a complete range of spare parts, which give full service, and ensure the operation of installations. In the event of questions concerning maintenance and spare parts please contact:

Main Office

Absolent Inc. 8601 Six Forks Road, Suite 400 Raleigh, NC 27615 USA Tel +1 (919) 882 2075 Fax +1 (919) 882 2087 E-mail: info@absolent.se www.absolent.com

Dealer:

US CA 16. EC DECLARATION OF CONFORMITY

Machinery directive 2006/42/EG, 2A AFS 2008:3, Appendix 2A

Manufacturer: Absolent AB Kartåsgatan 1 SE-531 40 Lidköping Sweden Phone: +46 (0)510-48 40 00

Authorized to compile technical documentation

Jan Berntsson Kartåsgatan 1 SE-531 40 Lidköping Sweden Phone: +46 (0)510-48 40 00

We, Absolent AB, declare under our sole responsibility that the product:

ODF

to which this declaration relates, is in conformity with the following standard(s) or other normative document(s)

Machinery directive 2006/42/EG

Electromagnetic Compatibility (EMC)2004/108/EG

Low Voltage Directive (LVD) 2006/95/EG

Lidköping, 28th of December 2009

Tony L<mark>a</mark>ndh CEO