Atlas Copco



OSC 145 **AIF999999**



Atlas Copco

OSC 145

AIF999999

Instruction book

Original instructions

Copyright notice

Any unauthorized use or copying of the contents or any part thereof is prohibited.

This applies in particular to trademarks, model denominations, part numbers and drawings.

This instruction book is valid for CE as well as non-CE labelled machines. It meets the requirements for instructions specified by the applicable European directives as identified in the Declaration of Conformity.



Table of contents

1	Safety precautions	3
1.1	Safety icons	3
1.2	SAFETY PRECAUTIONS DURING INSTALLATION	3
1.3	SAFETY PRECAUTIONS DURING OPERATION	4
1.4	SAFETY PRECAUTIONS DURING MAINTENANCE OR REPAIR	4
2	General description	6
2.1	Introduction	6
2.2	Operation	6
3	Installation	11
3.1	DIMENSION DRAWING	11
3.2	Installation procedure	12
1	Operating instructions	14
1.1	Putting into operation (commissioning)	14
5	Maintenance	15
5.1	Maintenance	15
5.2	Service kits	17
5.3	DISPOSAL OF USED MATERIAL	19
5.4	Spare parts	19
5.5	Options	21
3	Problem solving	22
7	Technical data	23
7.1	REFERENCE CONDITIONS AND LIMITATIONS	23
7.2	TECHNICAL DATA	23

1 Safety precautions

1.1 Safety icons

Explanation

\triangle	Danger for life
	Warning
4	Important note

1.2 Safety precautions during installation

- 1. Place the device where the ambient air is cool and as clean as possible. Consult section Reference conditions and limitations.
- 2. During installation or any other intervention on one of the connected machines, the machines must be stopped, de-energized and the isolating switch opened and locked before any maintenance or repair. As a further safeguard, persons switching on remotely controlled machines shall take adequate precautions to ensure that there is no one checking or working on the machine. To this end, a suitable notice shall be affixed to the start equipment.
- 3. Install the equipment in an area free of flammable fumes, vapours and particles, e.g. paint solvents, that can lead to internal fire or explosion.
- 4. The electrical connections must correspond to the applicable codes. The device must be earthed and protected against short circuits by fuses in all phases. A lockable power isolating switch must be installed near the device.
- 5. For machines controlled by a central control system, a sign stating "This machine may start without warning" must be affixed near the instrument panel.
- 6. In multiple compressor systems, manual valves must be installed to isolate each compressor. Non-return valves (check valves) must not be relied upon for isolating pressure systems.
- 7. Never remove or tamper with the safety devices.



Also consult following safety precautions: Safety precautions during operation and Safety precautions during maintenance or repair.

These precautions apply to electrical devices.

For precautions applying to the connected equipment consult the relevant instruction book. Some precautions are general and cover several machine types and equipment; hence some statements may not apply to your device.

1.3 Safety precautions during operation



All responsibility for any damage or injury resulting from neglecting these precautions, or non-observance of the normal caution and care required for installation, operation, maintenance and repair, even if not expressly stated, will be disclaimed by the manufacturer.

- 1. Persons switching on remotely controlled machines shall take adequate precautions to ensure that there is no one checking or working on the machine. To this end, a suitable notice shall be affixed to the remote start equipment.
- 2. Never operate the device in the presence of flammable or toxic fumes, vapours or particles.
- 3. Never operate the device below or in excess of its limit ratings.
- 4. Do not operate the device when there are flammable or toxic fumes, vapors or particles.
- 5. Keep all bodywork doors and panels closed during operation. The doors may be opened for short periods only, e.g. to carry out routine checks.
- 6. People staying in environments or rooms where the sound pressure level reaches or exceeds 90 dB(A) shall wear ear protectors.
- 7. Periodically check that:
 - All guards and fasteners are in place and tight
 - All hoses and/or pipes are in good condition, secure and not rubbing
 - There are no leaks
 - All electrical leads are secure and in good order
- 8. Never remove or tamper with the safety devices.



Also consult following safety precautions: Safety precautions during installation and Safety precautions during maintenance or repair.

These precautions apply to electrical devices.

For precautions applying to the connected equipment consult the relevant instruction book. Some precautions are general and cover several machine types and equipment; hence some statements may not apply to your machine.

1.4 Safety precautions during maintenance or repair



All responsibility for any damage or injury resulting from neglecting these precautions, or non observance of the normal caution and care required for installation, operation, maintenance and repair, even if not expressly stated, will be disclaimed by the manufacturer.

- 1. Use only the correct tools for maintenance and repair work.
- 2. Use only genuine spare parts.
- 3. A warning sign bearing a legend such as "Work in progress do not start" shall be attached to the starting equipment, including all remote start equipment.
- 4. Persons switching on remotely controlled machines shall take adequate precautions to ensure that there is no one checking or working on the machine. To this end, a suitable notice shall be affixed to the remote start equipment.
- 5. Never use flammable solvents or carbon tetrachloride for cleaning parts. Take safety precautions against toxic vapours of cleaning liquids.
- 6. Scrupulously observe cleanliness during maintenance and repair. Keep dirt away by covering the parts and exposed openings with a clean cloth, paper or tape.
- 7. Never use a light source with open flame for inspecting the interior of the device.

- 8. All regulating and safety devices shall be maintained with due care to ensure that they function properly. They may not be put out of action.
- 9. Before clearing the device for use after maintenance or repair, check that operating pressures, temperatures and time settings are correct. Check that all control and shut-down devices are fitted and that they function correctly.
- 10. Make sure that no tools, loose parts or rags are left in or on the device.
- 11. Never use caustic solvents which can damage materials of the device.



Also consult following safety precautions: Safety precautions during installation and Safety precautions during operation.

These precautions apply to electrical devices.

For precautions applying to the connected equipment consult the relevant instruction book. Some precautions are general and cover several machine types and equipment; hence some statements may not apply to your machine.



Units and/or used parts should be disposed of in an environmentally friendly and safe manner and in line with the local recommendations and legislation.

2 General description

2.1 Introduction

Compressed air produced by oil-injected compressors contains a small quantity of oil. During the cooling of the air in the aftercooler and in the refrigeration dryer (on compressors with built-in refrigeration dryer), oil-containing condensate is formed.

OSC are condensate treatment devices, designed to separate the major part of this oil from the condensate and absorb it in filters.

They are insensitive to shocks and vibration because of the use of filters and can be used with all types of drains. The condensate meets the requirements of the environmental codes.

The number in the model designation is the air capacity of the compressor in litres per second (see section Technical data).

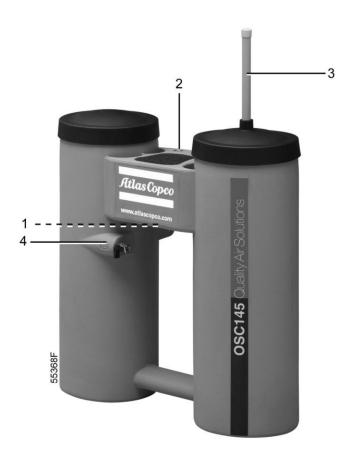
OSC 35 up to OSC 145 have two towers and are called two-step units.

OSC 355 up to OSC 1200 have three towers and are called three-step units.

OSC 2400 have six towers. They consist of two three-step units.

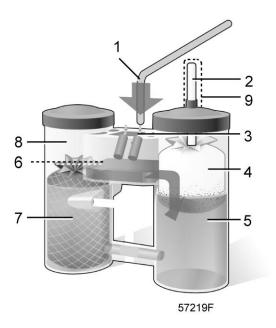
2.2 Operation

OSC 35 up to OSC 145:



OSC 145

1	Condensate outlet (at rear side)	
2	Condensate inlet	
3	Service indicator	
4	Test outlet	



Flow diagram (OSC 35 up to OSC 145)

1	Condensate inlet
2	Service indicator (oleophilic filter)
3	Mufflers
4	Oleophilic filter
5	First tower
6	Condensate outlet
7	Activated carbon filter
8	Second tower
9	Protector

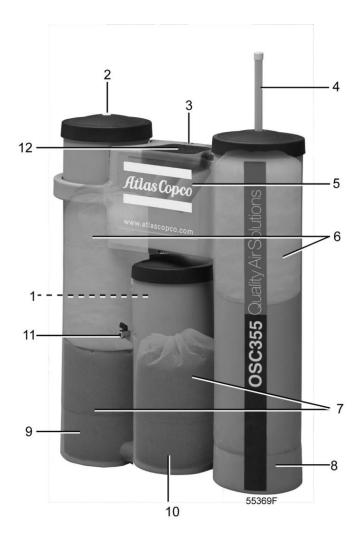
The condensate, containing fine oil droplets, enters the unit via mufflers (3) and is depressurised. The condensate flows to the first tower and seeps through an oleophilic filter (4), which absorbs most of the oil.

The water from the first tower, still containing a small quantity of oil, gradually flows to a second tower (8), where an activated carbon filter (7) is fitted. This filter absorbs almost all of the remaining oil.

The clean condensate is drained to the condensate outlet (.

The oleophilic filter floats on the water. The more oil the filter absorbs, the deeper it will sink, and service indicator (2) will move downwards with the filter. The filter must be replaced when the service indicator is down.

OSC 355 up to OSC 2400:



OSC 355

1	Condensate outlet (at rear side)
2	Service indicator (unit clogged)
3	Condensate inlet
4	Service indicator (oleophilic filter)
5	Mufflers
6	Oleophilic filters
7	Activated carbon filters
8	First tower
9	Second tower
10	Third tower
11	Test outlet
12	Diffuser

The condensate, containing fine oil droplets, enters the unit via mufflers (5) and is depressurised. The condensate flows to the first tower and seeps through an oleophilic filter, which absorbs most of the oil.

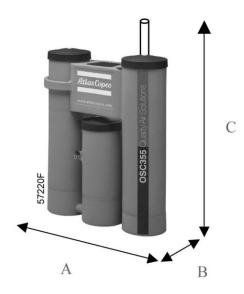
The water from the first tower, still containing a small quantity of oil, gradually flows to a second tower (9), where two filters are fitted: a small oleophilic filter, which absorbs some more oil from the condensate, and an activated carbon filter (7). The activated carbon filter starts to absorb the remaining oil in the condensate. The condensate gradually flows to a third tower (10), where another activated carbon filter is fitted, which absorbs almost all of the remaining oil.

The clean condensate is drained to the condensate outlet (1).

The oleophilic filter floats on the water. The more oil the filter absorbs, the deeper it will sink, and service indicator (2) will move downwards with the filter. The filter must be replaced when the service indicator is down.

3 Installation

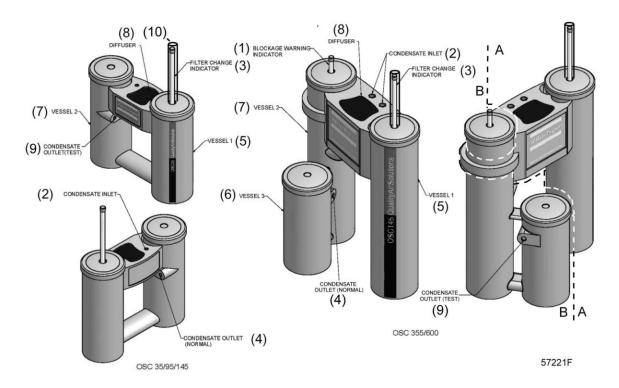
3.1 Dimension drawing



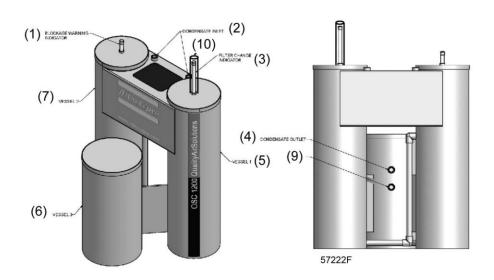
	OSC 35	OSC 95	OSC 145	OSC 355	OSC 600	OSC 825	OSC 1200	OSC 2400
A (mm)	470	680	680	750	750	945	945	945
B (mm)	165	255	255	546	546	650	695	1185
C (mm)	745	940	940	1100	1330	1450	1450	1450
Shipping weight (kg)	4	13	15	25	26	28	30	60
Operating weight (kg)	16	51	53	80	103	151	164	324

Model	Connections		
	Inlet BSP/NPT	Outlet BSP/NPT	
	1 x 1/2 "	1 x 1/2 "	
	2 x 1/2 "	1 x 1/2 "	
OSC 145	2 x 1/2 "	1 x 1/2 "	
	2 x 3/4 "	1 x 3/4 "	
	2 x 3/4 "	1 x 3/4 "	
	2 x 3/4 "	1 x 3/4 "	
	2 x 3/4 "	1 x 3/4 "	
	2 x 3/4 "	1 x 1 "	

3.2 Installation procedure



OSC 35 up to OSC 145 (left), OSC355 and OSC 600 (right)



OSC 825 and OSC 1200

Reference	Description
1	Service indicator (unit clogged)
2	Condensate inlet
3	Service indicator (oleophilic filter)

Reference	Description
4	Condensate outlet
5	Tower 1
6	Tower 3
7	Tower 2
8	Diffuser
9	Condensate outlet (test)
10	Protector
Α	Housing part 1
В	Housing part 2

Procedure

- 1. Install the OSC on a level floor, suitable for taking its weight.

 Keep in mind to reserve sufficient free space for replacement of the filters (see section Maintenance).
- 2. On OSC 355 and OSC 600:

If the three towers stand in one line, rotate the third tower to the front.



It is possible to operate the unit with the three towers in line. However, it is recommended to rotate the third tower as described above for easy change of the activated carbon filter in the third tower. When the unit is operated with the towers in line, they have to be rotated in order to change the filter. Keep in mind that the unit in operation can be heavy. (See the operating weight in section Dimension drawing).

- 3. Stop the compressor and close the air outlet valve. Switch off the voltage. Depressurise the outlet piping by opening the manual condensate drain.
- 4. Connect the automatic drain of the compressor condensate trap to the condensate inlet of the OSC. The connection can be made using one or both condensate inlets. The piping diameter must be at least 6 mm. The flexible must be laid out in such a way that no pockets are formed where condensate can collect.
- 5. Connect the condensate outlet of the OSC to the sewer.

 The outlet piping should have a section, sufficient to allow the condensate to flow without building up pressure. An inner diameter of 19 mm (3/4 ") or larger is recommended. See section Dimension drawing for the connection dimensions.



The OSC must be positioned higher than the sewer and the OSC outlet piping must be installed with a slight downward slope to the sewer.

4 Operating instructions

4.1 Putting into operation (commissioning)



- The plastic bag of the filters must be removed. Do not remove the net around the filters.
- The activated carbon filter in the second tower must be placed on the flow plate.
 On OSC 355 and OSC 600,
 - do not remove the flow plate. On all other models, the flow plate is not removable.
- Check that the activated carbon filters do not float. If necessary, hold them submerged until they remain down.

Procedure

OSC 35 up to OSC 145:

- 1. Remove the lid of the first tower. Take out the oleophilic filter.
- 2. Remove the lid of the second tower and take out the activated carbon filter. Remove the plastic bag and put the filter back. Check that the top of the filter is just below the condensate outlet. If not, check that the filter is resting on the flow plate.
- 3. Pour clean water into the unit until the water comes out of the condensate outlet.
- 4. Put the oleophilic filter on the water surface in the first tower. **Do not push the filter down.**
- 5. Put back the lids.

OSC 355 up to OSC 1200:

- 1. Remove the lids. Take the oleophilic filter out of the first tower.
- 2. Remove the plastic bag from the activated carbon filter in the third tower. Put the filter back and check that the top of the filter is just below the condensate outlet. If not, check that the filter rests on the bottom of the vessel.
- 3. Take the small oleophilic filter and the activated carbon filter out of the second tower. Remove their bags. First put back the activated carbon filter, then the small oleophilic filter. Fit the lid and check that the service indicator is free to move.
- 4. Pour clean water into the unit until the water comes out of the condensate outlet.
- 5. Put the oleophilic filter back on the water surface of the first tower. **Do not push the filter down.**
- 6. Refit the lids.

OSC 2400:

The steps in section OSC 355 up to OSC 1200 must be done for the left side and for the right side.

5 Maintenance

5.1 Maintenance



Check the filters regularly as explained below in order to prevent untreated condensate from entering the sewer.

Sample the condensate weekly.



- If the filters are not installed properly, oil-containing condensate can leave the OSC.
- When new activated carbon filters are placed, the outgoing water may initially look black (caused by carbon dust). This is not harmful.
- Each new filter is provided with a label. The correct position is marked on the label.
- Used filters can be heavy.
- See to it that no condensate comes into contact with eyes, mouth, \dots

Checking the condensate

Every week, a test sample should be collected during compressor operation.

- 1. Open the test valve and collect the condensate in the test bottle.
- 2. Compare the turbidity of the sample with the 15 ppm turbidity reference bottle.



Test/sample bottle (1) and turbidity reference bottle (2)

Oleophilic filter



If the activated carbon filter has to be replaced, do this first (see section **Activated carbon filters**).

Initially, the oleophilic filter will float almost completely on the condensate and only the bottom part will act as filtration medium. By sorbing more and more oil, the filter will sink and new filter material will be exposed to the condensate.

The filter must be replaced when the service indicator (see section Introduction) approaches the lid of the tower.

The lifetime of the filter depends on the amount of oil in the condensate.

Replacement instructions

- 1. Stop the compressor and close the air outlet valve. Switch off the voltage. Depressurise the outlet piping by opening the manual condensate drain.
- 2. Remove the lid of the first tower and take out the oleophilic filter (4 Flow diagram of OSC 35 up to OSC 145). **On OSC 355 up to OSC 1200**, remove also the lid of the second tower and remove also the small oleophilic filter (6 View of OSC 355).
- 3. Only if necessary (see Problem solving, item 1), clean the inside of the OSC with water and tissue.

 Do not use any form of soap or detergents as they could contain dispersants which deteriorate the ability to break oil/water emulsions.
- 4. Fit the new filter (white label), observing the position. Do not push the filter below the water surface.
- 5. Fit the lid(s).
- 6. Remove the diffuser and pull out the mufflers. See section Introduction.
- 7. Fit the new mufflers and diffuser.

On OSC 2400: Repeat the instructions for OSC 355 up to OSC 1200 once for the left side of the unit and once for the right side of the unit.

Activated carbon filter(s)

The activated carbon filters must be replaced when:

- The oleophilic filters are changed for the second time.
- The filters get clogged.
 - On OSC 355 up to OSC 2400, replace the filters when the service indicator (2 View of OSC 355) is rising.
- The condensate from the test outlet is less transparent than in the reference glass.

Replacement instructions

- 1. Stop the compressor and close the air outlet valve. Switch off the voltage. Depressurise the compressor by opening the manual condensate drain.
- 2. Remove the lid of the second tower.
 - Take out the activated carbon filter (7 Flow diagram of OSC 35 up to OSC 145). **On OSC 355 up to OSC 1200**, take out the small oleophilic filter and replace also the activated carbon filter in the third tower.
- 3. Clean out the vessels with water and tissue. **Do not use any form of soap or detergents** as they could contain dispersants which deteriorate the ability to break oil/water emulsions.
- 4. Fit the new filter in the tower (activated carbon = black label), observing its position.
 - On OSC 355 up to OSC 1200, put a new small oleophilic filter on top of the activated carbon filter (see section Oleophilic filter).
- 5. Refill with clean water until it comes out of the condensate outlet.

On OSC 2400: Repeat the instructions for OSC 355 up to OSC 1200 once for the left side of the unit and once for the right side of the unit.

5.2 Service kits

Atlas Copco has a complete range of service kits available. Service kits comprise all parts needed for servicing components and offer the benefits of using genuine Atlas Copco parts while keeping the maintenance budget low.



Service kits

1	Activated carbon filters
2	Oleophilic filters
3	Diffuser
4	Mufflers

For each type of OSC, three service kits are available:

- Service kit A comprises the material to change the oleophilic filter(s) once. It is a kit for the first service after installation when the condensate is in normal condition. After this, service kit B can be used.
- Service kit B comprises the material to change the oleophilic filter(s) twice and the activated carbon filter(s) once. This kit is also intended for use when the condensate is in normal condition. The lifetime of the carbon filter is twice as long as that of the oleophilic filter.
- Service kit D comprises the material to change the oleophilic filter(s) as well as the activated carbon filter(s) once. This kit should be used when the condensate contains a lot of oil, so that all the filters will be saturated at the same time.

	Part Number
Service kit A	2901 1400 00
Service kit B	2901 1400 01
Service kit D	2901 1575 00

	Part Number
Service kit A	2901 1401 00
Service kit B	2901 1401 01
Service kit D	2901 1576 00

OSC 145	Part Number	
Service kit A	2901 1402 00	
Service kit B	2901 1402 01	
Service kit D	2901 1577 00	

The service kits for OSC 35 up to OSC 145 comprise:

	Quantity, service kit A	Quantity, service kit B	Quantity, service kit D
Oleophilic filter	1	2	1
Activated carbon filter	0	1	1
Diffuser	1	2	1
Mufflers	1	2	1

	Part Number
Service kit A	2901 1403 00
Service kit B	2901 1403 01
Service kit D	2901 1578 00

	Part Number	
Service kit A	2901 1404 00	
Service kit B	2901 1404 01	
Service kit D	2901 1579 00	

	Part Number
Service kit A	2901 1408 00
Service kit B	2901 1408 01
Service kit D	2901 1581 00

	Part Number
Service kit A	2901 1409 00
Service kit B	2901 1409 01
Service kit D	2901 1582 00

The service kits for OSC 355 up to OSC 1200 comprise:

	Quantity, service kit A	Quantity, service kit B	Quantity, service kit D
Oleophilic filter	1	2	1
Small oleophilic filter	1	2	1
Activated carbon filter	0	2	2
Diffuser	1	2	1
Mufflers	1	2	1

	Part Number
Service kit A	2901 1410 00
Service kit B	2901 1410 01
Service kit D	2901 1583 00

The service kits for OSC 2400 comprise:

	Quantity, service kit A	Quantity, service kit B	Quantity, service kit D
Oleophilic filter	2	4	2
Small oleophilic filter	2	4	2
Activated carbon filter	0	4	4
Diffuser	1	2	1
Mufflers	1	2	1

5.3 Disposal of used material

Used filters or any other used material (e.g. desiccant, lubricants, cleaning rags, machine parts, etc.) must be disposed of in an environmentally friendly and safe manner, and in line with the local recommendations and environmental legislation.

5.4 Spare parts

Spare parts

Parts OSC 35	Part Number
Lid of the first tower, indicator and protector (5-Flow diagram of OSC 35-145)	1622 2923 80
Lid of the second tower (8-Flow diagram of OSC 35-145)	1622 2924 00
Ball valve (for test outlet)	0852 0010 70
Reference glass	1622 6213 00

Parts OSC 95	Part Number
Lid of the first tower, indicator and protector (5-Flow diagram of OSC 35-145)	1622 2935 80
Lid of the second tower (8-Flow diagram of OSC 35-145)	1622 2936 00
Ball valve (for test outlet)	0852 0010 70
Reference glass	1622 6213 00

Parts OSC 145	Part Number
Lid of the first tower, indicator and protector (5-Flow diagram of OSC 35-145)	1622 2935 80
Lid of the second tower (8-Flow diagram of OSC 35-145)	1622 2936 00
Ball valve (for test outlet)	0852 0010 70
Reference glass	1622 6213 00

Parts OSC 355	Part Number
Lid of the first tower, indicator and protector (8-View of OSC 355)	1622 2954 80
Lid of the second tower (9-View of OSC 355)	1622 2954 81
Lid of the third tower (10-View of OSC 355)	1622 2955 00
Flexible between first and second tower	1622 2953 01
Elbow	0571 0020 50
Nipple	0571 0020 51
Ball valve (for test outlet)	0852 0010 70
Reference glass	1622 6213 00

Parts OSC 600	Part Number
Lid of the first tower, indicator and protector (8-View of OSC 355)	1622 2954 80
Lid of the second tower (9-View of OSC 355)	1622 2954 81
Lid of the third tower (10-View of OSC 355)	1622 2955 00
Flexible between first and second tower	1622 2953 01
Elbow	0571 0020 50
Nipple	0571 0020 51
Ball valve (for test outlet)	0852 0010 70
Reference glass	1622 6213 00

Parts OSC 825	Part Number
Lid of the first tower, indicator and protector (8-View of OSC 355)	1622 2999 80
Lid of the second tower (9-View of OSC 355)	1622 2999 81
Lid of the third tower (10-View of OSC 355)	1622 3000 00
Flexible between first and second tower	1622 2953 02
Ball valve (for test outlet)	0852 0010 70
Reference glass	1622 6213 00

Parts OSC 1200	Part Number
Lid of the first tower, indicator and protector (8-View of OSC 355)	1622 2999 80
Lid of the second tower (9-View of OSC 355)	1622 2999 81
Lid of the third tower (10-View of OSC 355)	1622 3009 00
Flexible between first and second tower	1622 2953 02
Ball valve (for test outlet)	0852 0010 70
Reference glass	1622 6213 00

Parts OSC 2400	Part Number
Lid of the first tower, indicator and protector (8-View of OSC 355)	1622 2999 80
Lid of the second tower (9-View of OSC 355)	1622 2999 81
Lid of the third tower (10-View of OSC 355)	1622 3009 00
Flexible between first and second tower	1622 2953 02
Ball valve (for test outlet)	0852 0010 70
Reference glass	1622 6213 00

5.5 Options

Alarm

Optional electronic alarm sensors are available warning the operator for condensate overflow and filter replacement.

Alarm	8092 2849 29

Manifold

An optional manifold is available for easy connection of several condensate lines into the unit.

Manifold for OSC 35 up to OSC 145	8070 2167 03
Manifold for OSC 355 up to OSC 2400	8070 2167 11

Anti-bacteria kit

An optional anti-bacteria kit is available to prevent the growth of bacteria in the unit.

Anti-bacteria kit	8092 2850 17

Anti-freezing kit

An optional heater kit is available to prevent the condensate from freezing.

Anti-freezing kit for OSC 35 up to OSC 145	8092 2848 95
Anti-freezing kit for OSC 355 up to OSC 600	8092 2849 03
Anti-freezing kit for OSC 825 up to OSC 1200	8092 2873 44
Anti-freezing kit for OSC 2400	2 x 8092 2873 44

6 Problem solving

Condition	Fault	Remedy
A lot of oil entered the OSC.	Compressor malfunctioning	Replace all filters. Clean the vessels. Check the compressor.
The service indicator (3 - View of OSC 52) rises	Too much condensate flows into the OSC.	Check the compressor FAD (see section Technical data).
	The unit is clogged.	Replace the activated carbon filters. Check the flexible between the first and the second tower.

7 Technical data

7.1 Reference conditions and limitations

Reference conditions

Effective working pressure of the compressor	bar(e)	7
Compressor running hours per day	h	12
Oil type		Roto-Inject Fluid, Roto-Xtend Duty Fluid, Roto-Foodgrade Fluid
Compressor type		All types of GA oil injected compressors

The reference conditions for the OSC distinguish 3 climate types:

- Cold climate: ambient temperature of 15 °C (59 °F) and relative humidity of 60 %
- Mild climate: ambient temperature of 25 °C (77 °F) and relative humidity of 60%
- Hot climate: ambient temperature of 35 °C (95 °F) and relative humidity of 70%

Limitations for operation

Minimum inlet temperature	°C	1
Minimum ambient temperature	°C	1
Maximum condensate inlet temperature	°C	75
Maximum oil content at outlet of the OSC	mg/l	15

Note: maximum oil flow rate 10.5 g/h (0.37 oz/h)

7.2 Technical data

Compressor FAD

For poly-glycol based condensates, the capacity of each unit shown halved.	ıld be
--	--------

Installation with compressors, air receivers, filters and dryers:

Models				OSC 145					
Cold climate	l/s	65	180	270	665	1150	1550	2220	4440
Mild climate	l/s	35	95	145	355	605	825	1180	2360
Hot climate	l/s	17	45	70	170	290	400	570	1145

Installation with compressors, air receivers and filters:

Models				OSC 145					
Cold climate	l/s	105	280	415	1035	1800	2410	3450	6895
Mild climate	l/s	45	118	175	435	760	1020	1455	2910
Hot climate	l/s	20	50	75	190	330	440	630	1260

Correction factors

For operation in other than reference conditions, multiply the compressor capacity (FAD) with the appropriate correction factors.

Running hours per day	8	10	12	14	16	18	20	22	24
Correction factor	1.50	1.20	1.00	0.86	0.75	0.67	0.60	0.55	0.50

Separation performance

For an outlet oil carry-over of 10 mg/l instead of 15 mg/l, multiply the unit capacity by 2/3.



In order to be First in Mind—First in Choice® for all your quality compressed air needs, Atlas Copco delivers the products and services that help to increase your business' efficiency and profitability.

Atlas Copco's pursuit of innovation never ceases, driven by our need for reliability and efficiency. Always working with you, we are committed to providing you the customized quality air solution that is the driving force behind your business.

