



INDUCTION CANOPIY WITH COMPENSATION

OK11 wall

OK22 central

USER MANUAL

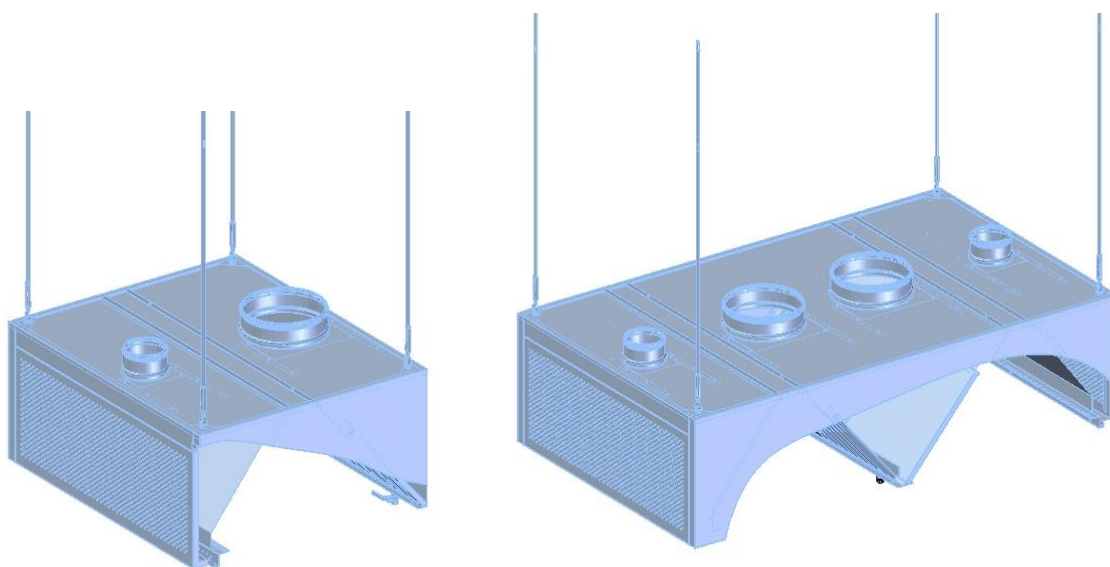


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Before using the device please get acquainted with the present documentation thoroughly (it should be kept for further access).

Producer does not bear responsibility for damages / malfunctions resulting from inappropriate usage or disregarding the documentation.

Failing to abide by the recommendations in the present documentation might influence safe usage of the appliance and leads to guaranty loss.

1. TECHNICAL INSTRUCTIONS

Induction canopies with compensation OK11 /OK22 have been designed to remove impurities in the form of smoke, vapour, odours, fumes and excessive heat produced by kitchen appliances.

If the stream of air over the kitchen appliances is not directed and removed, the impurities and the heat spread in the kitchen increase the temperature and the humidity of the air and as a result reduce working comfort.

Since kitchen equipment generates large quantities of heat in the kitchens it should be placed under canopy.

2. EXECUTION

Canopies are made of 1 mm thick stainless steel AISI304 spot welded-welded, and riveted.

Canopies of length up to 2900 mm are made as one segment.

Canopies of length more than 2900 mm are made of two or more segments.

The canopy may be divided into segments/modules according to customer's wish provided the suggested division is in accordance with technological process.

3. EQUIPMENT

Standard canopies are equipped with:

- drain channel system
- drain ball valve 1/2"
- set of baffle filters
- threaded hanging rods AW023

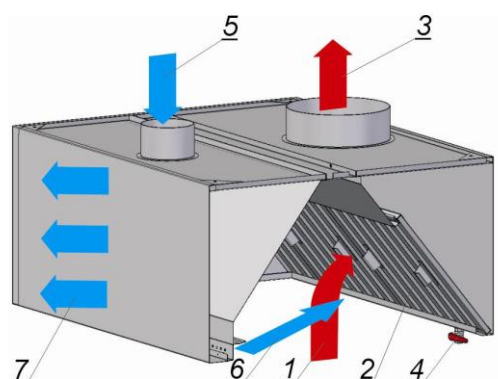
Optional equipment:*

- lighting – suspended to canopy ceiling
- integrated lighting
- spotlights
- mesh, cyclone, labyrinth-mesh, blind filters
- drip tray for liquefied impurities
- covers – if the canopy is fixed below the ceiling line
- air ducts of untypical dimensions and position
- UV panels
- Ansul fire suppression system

* Configuration depends on many factors and needs to be confirmed in terms of the possibility of combining them and uses.

4. OPERATING PRINCIPLES

4.1. MECHANICAL FILTRATION



A stream of contaminated air above kitchen appliances (1) flows through the filters (2) and is removed to ventilation channel (3). While the contaminated air flows through filters the impurities and grease particles are separated from the air. The grease particles with other impurities fall to the bottom of draining channel and flows to the drain with ball valve (4) or a drip tray (optional).

4.2. STREAM OF INDUCTION DIRECTED TO FILTERS

Thanks to horizontal beam of supplied air (6) the exhausted air is lifted from the kitchen up into the canopy. This prevents the cooking effluent from the kitchen equipment from coming outside the canopy and directs it properly. Applying induction increases efficiency of the canopy (reduces the quantity of exhausted air) and reduces energy consumption.

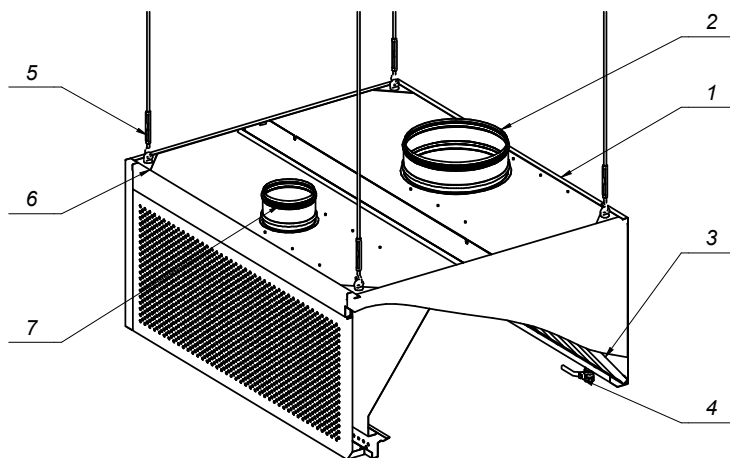
The quantity of air of the induction beam represents approximately 7–12% of the exhausted air.

4.3. COMPENSATION AIR FLOW DIRECTED TO THE KITCHEN AREA

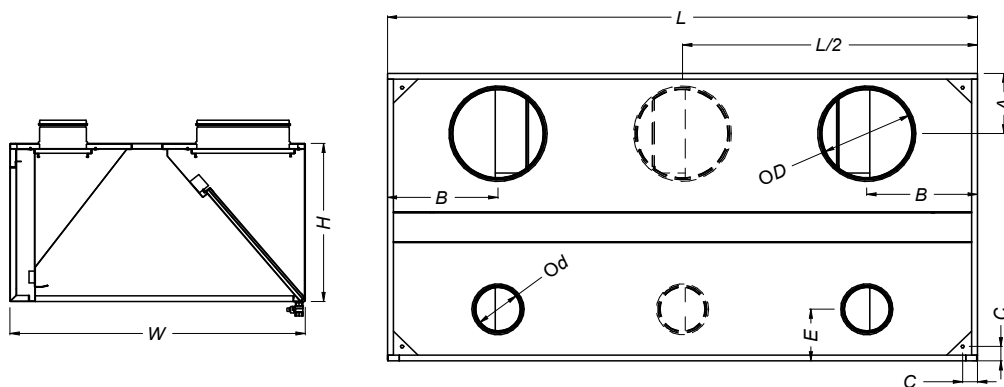
Air stream (7) flowing through perforated sheet at the front of the canopy is to supplement air in the room in a low speed (without causing draughts).

5. CONSTRUCTION AND DIMENSIONS

5.1. WALL INDUCTION CANOPY WITH COMPENSATION OK1 1



1. Body of the canopy
2. Air duct with throttle
3. Baffle filters
4. Drain with ball valve or drip tray (optional)
5. Hanging rod
6. Mounting bracket
7. Air supply duct with throttle



Dimensions

L	1000-2900 [mm]	Canopies of length up to 2900 mm are made as one -segment. Canopies of length over 2900 mm are assembled of two or more individual segments.
H	400, 550 [mm]	
W	700 - 1400 [mm]	
ØD	315 [mm]	
Ød	250 [mm]	
C	50 [mm]	

Length L [mm]	Width W [mm]	Height H [mm]	A [mm]	B [mm]	Number of air ducts	E [mm]	Number of supply air ducts
1000 - 1500	1000 - 1700	400, 550	210	L/2	1	180	1
1600 - 2000	1000 - 1700	400, 550	210	375	2	180	2
2100 - 2900	1000 - 1700	400, 550	210	500	2	180	2

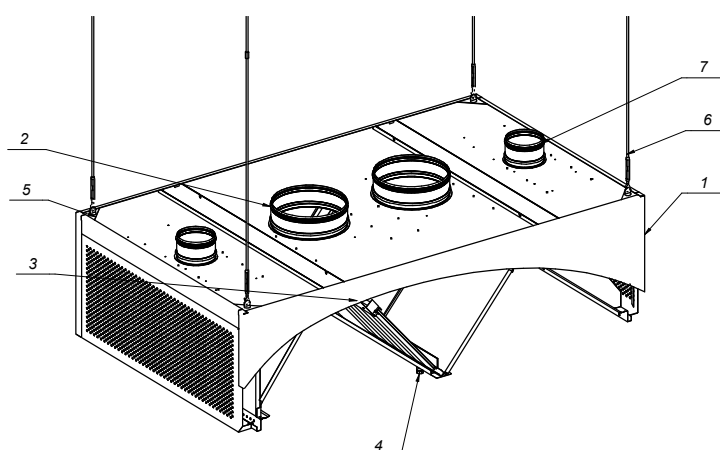
Wall induction canopy with compensation – approximate weight [kg]

H = 400 [mm], H = (550) [mm]

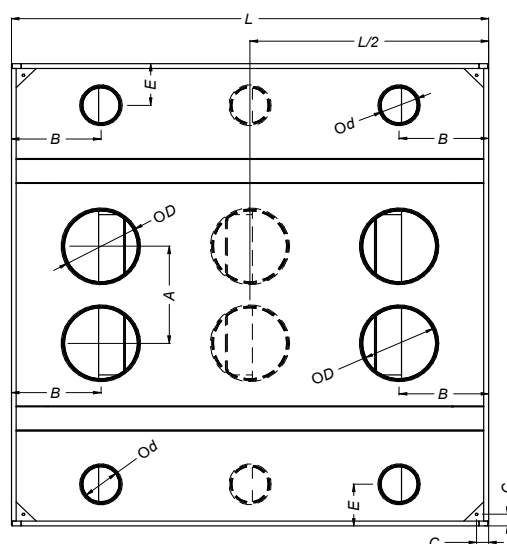
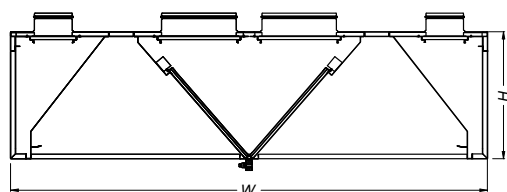
length [mm]	width [mm]							
	1000	1100	1200	1300	1400	1500	1600	1700
1000	44 (52)	46 (54)	47 (55)	49 (57)	50 (59)	52 (61)	54 (63)	55 (65)
1100	47 (55)	48 (57)	50 (59)	52 (61)	53 (63)	55 (65)	57 (67)	59 (69)
1200	50 (58)	51 (60)	53 (62)	55 (65)	56 (67)	58 (69)	60 (71)	62 (73)
1300	52 (61)	54 (63)	56 (66)	58 (68)	59 (70)	61 (72)	63 (74)	65 (76)
1400	54 (63)	57 (66)	59 (69)	61 (71)	62 (73)	64 (76)	66 (77)	68 (79)
1500	61 (72)	63 (74)	65 (76)	67 (78)	69 (81)	71 (83)	73 (85)	75 (88)
1600	65 (76)	67 (78)	69 (81)	71 (83)	73 (85)	76 (87)	78 (90)	80 (92)
1700	68 (79)	70 (82)	72 (84)	74 (86)	76 (89)	79 (91)	81 (94)	83 (96)
1800	71 (82)	73 (85)	75 (87)	77 (89)	79 (92)	82 (94)	84 (97)	86 (99)
1900	74 (85)	76 (88)	78 (90)	80 (92)	82 (95)	85 (97)	87 (100)	89 (102)
2000	80 (93)	82 (95)	85 (98)	87 (101)	89 (103)	92 (106)	94 (109)	97 (111)
2100	82 (96)	85 (99)	87 (101)	90 (104)	92 (107)	95 (110)	97 (112)	100 (115)
2200	85 (99)	88 (102)	90 (104)	93 (107)	95 (110)	98 (113)	100 (115)	103 (118)
2300	88 (102)	90 (105)	93 (108)	96 (111)	98 (115)	101 (117)	104 (120)	106 (123)
2400	91 (105)	93 (108)	96 (111)	99 (114)	101 (118)	104 (120)	107 (123)	109 (126)
2500	96 (112)	99 (115)	102 (118)	105 (121)	107 (124)	110 (127)	113 (130)	116 (133)
2600	99 (115)	102 (118)	105 (121)	108 (124)	110 (127)	113 (130)	116 (134)	119 (137)
2700	102 (118)	105 (121)	108 (124)	110 (127)	113 (130)	116 (134)	119 (137)	122 (141)
2800	105 (121)	108 (124)	110 (127)	113 (130)	116 (134)	119 (137)	122 (141)	126 (144)
2900	108 (124)	110 (127)	113 (130)	116 (134)	119 (137)	122 (141)	126 (144)	129 (148)

length [mm]	number of filters		Exhaust air volume m ³ /h		number of air ducts		Number of mounting points
	500x500	300x500	min.	max.	Supply air ducts	Exhaust air ducts	
1000	2	0	600	1400	1	1	4
1100	1	2	600	1400	1	1	4
1200	0	4	600	1400	1	1	4
1300	2	1	600	1400	1	1	4
1400	1	3	600	1400	1	1	4
1500	3	0	900	2100	1	1	4
1600	2	2	900	2100	2	2	4
1700	1	4	900	2100	2	2	4
1800	3	1	900	2100	2	2	4
1900	2	3	900	2100	2	2	4
2000	4	0	1200	2800	2	2	4
2100	3	2	1200	2800	2	2	4
2200	2	4	1200	2800	2	2	4
2300	4	1	1200	2800	2	2	4
2400	3	3	1200	2800	2	2	4
2500	5	0	1500	3500	2	2	4
2600	4	2	1500	3500	2	2	4
2700	3	4	1500	3500	2	2	4
2800	5	1	1500	3500	2	2	4
2900	4	3	1500	3500	2	2	4

5.2. CENTRAL INDUCTION CANOPY WITH COMPENSATION OK22



1. Body of the canopy
2. Air duct with throttle
3. Filters (baffle, mesh, cyclone and baffle-mesh)
4. Drain with ball valve or drip tray (optional)
5. Mounting bracket
6. Hanging rod
7. Air supply duct with throttle



Dimensions

L	1000-2900 [mm]	Canopies of length up to 2900 mm are made as one -segment. Canopies of length over 2900 mm are assembled of two or more individual segments.
H	400, 550 [mm]	
W	1500 - 2500 [mm]	
ØD	315 [mm]	
Ød	250 [mm]	
C	50 [mm]	

Length L [mm]	Width W [mm]	Height H [mm]	A [mm]	B [mm]	Number of air ducts	E [mm]	Number of supply air ducts
1000 - 1500	2000 - 2600	400, 550	420	L/2	2	180	2
1600 - 2000	2000 - 2600	400, 550	420	375	4	180	4
2100 - 2900	2000 - 2600	400, 550	420	500	4	180	4

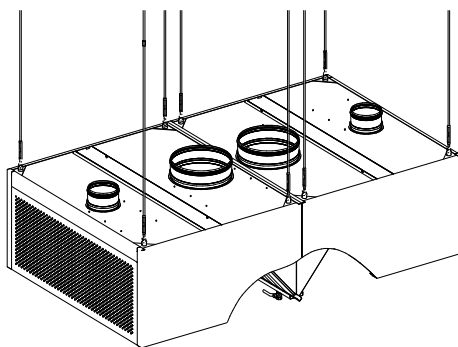
Central induction canopy with compensation - approximate weight [kg]

H [mm]= 400 (550)

length [mm]	width [mm]				
	2000	2100	2200	2300	2400
1000	83 (96)	84 (98)	86 (99)	87 (101)	89 (103)
1100	87 (102)	89 (103)	91 (105)	93 (107)	94 (109)
1200	92 (107)	93 (109)	96 (111)	97 (113)	99 (115)
1300	97 (112)	99 (115)	101 (117)	103 (119)	104 (121)
1400	102 (118)	104 (120)	106 (122)	108 (124)	110 (127)
1500	114 (131)	116 (133)	118 (135)	120 (138)	122 (140)
1600	121 (139)	123 (141)	126 (144)	128 (146)	130 (149)
1700	126 (145)	129 (148)	131 (150)	133 (153)	135 (155)
1800	131 (150)	133 (152)	136 (155)	138 (157)	140 (160)
1900	136 (155)	139 (158)	141 (160)	143 (163)	145 (165)
2000	148 (169)	150 (171)	153 (174)	155 (176)	157 (179)
2100	153 (174)	156 (177)	158 (180)	161 (183)	163 (185)
2200	158 (179)	160 (182)	163 (185)	165 (188)	168 (191)
2300	162 (185)	165 (188)	167 (191)	170 (194)	173 (197)
2400	167 (190)	169 (193)	172 (196)	177 (199)	182 (203)
2500	178 (203)	181 (206)	183 (209)	186 (212)	189 (215)
2600	183 (208)	185 (212)	188 (215)	191 (218)	194 (221)
2700	188 (213)	191 (217)	193 (220)	196 (224)	199 (227)
2800	192 (219)	195 (223)	198 (226)	201 (229)	204 (233)
2900	197 (225)	200 (229)	203 (232)	207 (236)	210 (239)

Length [mm]	Number of filters		Exhaust air volume m ³ /h		Number of air ducts		Number of mounting points
	500x500	300x500	min.	max.	supply	exhaust	
1000	4	0	1200	2800	2	2	4
1100	2	4	1200	2800	2	2	4
1200	0	8	1200	2800	2	2	4
1300	4	2	1200	2800	2	2	4
1400	2	6	1200	2800	2	2	4
1500	6	0	1800	4200	2	2	4
1600	4	4	1800	4200	4	4	4
1700	2	8	1800	4200	4	4	4
1800	6	2	1800	4200	4	4	4
1900	4	6	1800	4200	4	4	4
2000	8	0	2400	5600	4	4	4
2100	6	4	2400	5600	4	4	4
2200	4	8	2400	5600	4	4	4
2300	8	2	2400	5600	4	4	4
2400	6	6	2400	5600	4	4	4
2500	10	0	3000	7000	4	4	4
2600	8	4	3000	7000	4	4	4
2700	6	8	3000	7000	4	4	4
2800	10	2	3000	7000	4	4	4
2900	8	6	3000	7000	4	4	4

Central canopy may be made as multi-section combined of e.g. two wall canopies.



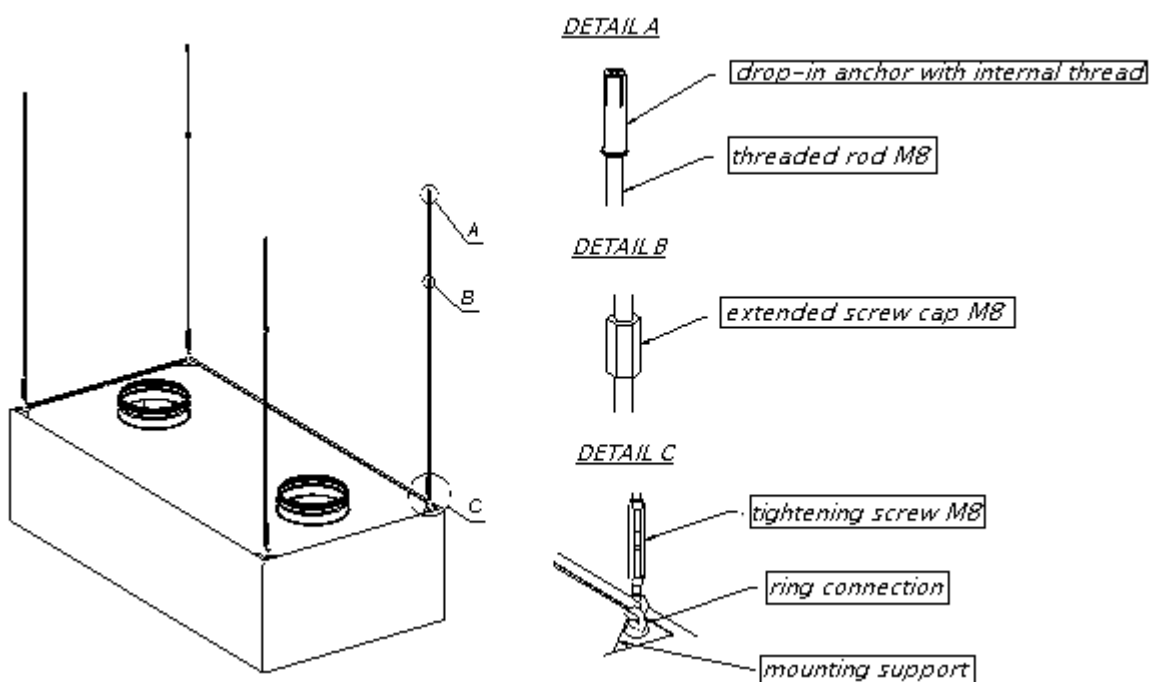
If the buyer does not provide information about location, number and size of air ducts, the canopy is equipped in accordance with the guidelines provided in the above figures.

Location of air ducts applies to canopies without a fan. Regulating throttles are attached to air ducts, which allows air flow control in the range of 50–100 %.

6. INSTALLATION

Combined canopies should be suspended to the ceiling with hanging rods.

The standard hanging rod consists of tightening screw ended with M8 2000 mm long threaded hook. In case where it is necessary to use longer hanging rods apply additional threaded rods assembled with extended screw cap M8. threaded rods should be installed in the ceiling with anchors.

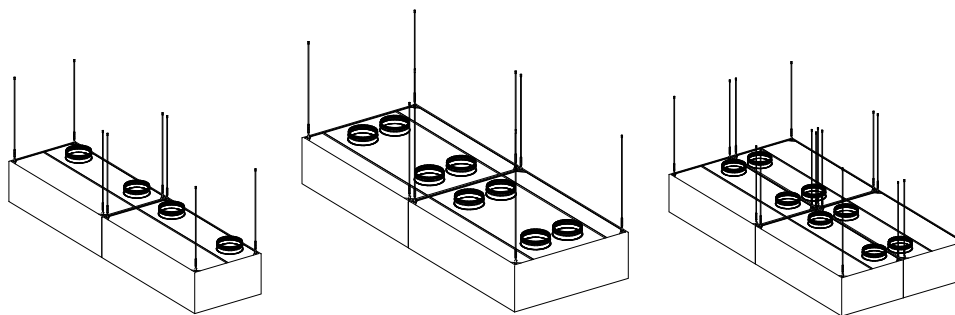


Due to efficiency and ergonomics it is recommended to install canopies at height of 2000–2100 mm from the floor.

Properly designed and installed canopy should extend at least 250 mm beyond kitchen units beneath it. If the device standing under the canopy has hinged door, the canopy protrusion beyond the device should be at least 400 mm from the door.

In case where the canopy consists of several modules, they should be suspended, levelled and then fastened

to each other by means of screws.



Then, one should:

- put filters into place,
- connect to power supply (if there is lighting),
- connect canopy to ventilation exhaust and supply air duct
- install optional equipment: UV panels, Ansul system etc. (if included)

Manufacturer does not bear any responsibility for damages resulting from inappropriate installation, thus installation should be done by trained professionals.

It is recommended not to remove protective film until the entire installation is completed and the system is ready for operation.

7. OPERATION AND CLEANING

Daily service of the canopy is limited to proper operation and cleaning.

Therefore one shall:

- remove accumulated condensate by opening the drain valve ½" daily
- clean the casing and baffles of the canopy (filters)
- clean lighting (according to separate user manual)

7.1. CLEANING AND MAINTENANCE OF FILTERS

Dirty filters impair the efficiency of the canopy as well as exhaust installation. Filters shall be washed and cleaned periodically – depending on the intensity of work even every two days if there is necessity. If the filters are heavily soiled we recommend washing them every day. Filters may be washed in dishwashers. Failing to wash the filters may lead to soiling the lighting (if included) and UV lighting tubes (if included) and to fire risk.

Dirty filters may make also filtering system, ventilation ducts and the central part.

The UV lighting tubes shall be switched off while the filters are being cleaned. The construction of the canopy makes irradiation impossible while filters cleaning. When the first filter is removed for cleaning the UV lighting is automatically switched off. Inserting cleaned filters shall be done in reverse order than removing. Insert filters starting from the right side of the canopy and slide them to the left onto their place.

The cleaning instructions of the optional equipment (lighting, UV filtration etc.) are described in a separate user manual.



Filters shall be washed periodically – every 2 days. We recommend cleaning the filters every day if they are heavily soiled.

7.2. CLEANING OF THE CASING



It is not allowed to clean the canopies using abrasive, corrosive or based on chlorine agents that could scratch or even damage the surface. In case of contact above agents with stainless steel surface wipe it immediately and thoroughly wash it with water and detergent solution..

Cleaning instructions:

1. disconnect the device from the mains,
2. wash thoroughly with warm water and cleaning detergent, wipe dry with a clean cloth.
3. to clean stainless steel surfaces use preparation for this type of surface

8. WORK SAFETY INSTRUCTIONS

Proper exploitation of the appliance is of key importance for its durability and significantly affects its reliability. The following instructions will help keeping the appliance in appropriate condition for many years: The employees shall be acquainted with regulations related to usage of electric appliances, work safety, first aid in emergency, fire safety and practical rules related to proper usage.

In addition:

1. It is forbidden to connect the appliance to the mains which was not previously checked for proper shock protection.
2. It is forbidden to wash, clean and repair any device connected to the mains.
3. All repairs shall be done only by authorized persons. Use only original parts or recommended by the producer.
4. The UV lighting tubes (if included) shall be switched off while the filters are being cleaned.
5. Producer does not bear responsibility for damages/ breakdowns which result from improper usage of the appliance or disregarding this documentation

9. TRANSPORT

1. The appliance leaves producer warehouse properly packed.
2. The appliance should be transported in the position of working.
3. Transport should be done using covered means of transport.
4. The equipment should be protected against moving, strong shocks and mechanical damage..
5. Loading and carrying the equipment (or any other manipulation of goods) should be done using adequate devices.
6. After delivery of the appliance check whether the delivered product has got any visible signs of mechanical damage.
7. Any damage noticed should be immediately reported to the forwarder according to forwarder procedure. Write down all noticed damage on the bill of lading.
8. Gort does not bear any responsibility for damage due to improper storage outside the company and transporting to the final user by any other company

10. REPAIRS



All repairs should be done by the authorized service.

In case of device failure, please contact with Gort Export Department: export@gort.pl

Any malfunctions should be reported to the Seller in writing. The report should contain the appliance's type/model, it's serial number and the description of malfunction as well as the name and address of the site where the appliance is installed. The contact details of reporting person should also be attached. Manufacturer reserves the right to make changes and improvements in the appliance and it's technical specification without notice.

It is recommended to make a periodical check-up once a year. This check-up includes activities connected with defining the level of wear and tear or damage of certain elements.

11. ELECTRICAL SYSTEM

In standard, induction canopies are produced without lighting installation.

Upon customer's request, the canopy may be equipped with:

- integrated lighting
- spotlights
- hermetic switch

Details related to electrical equipment are included in a separate user manual.

12. RELATED DOCUMENTS

- Electrical installations in canopies
- Ansul fire suppression system
- UV installation in canopies
- Lighting

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