



BUREAU
VERITAS

Bureau Veritas Certification

OMEGA AIR d.o.o. Ljubljana

Cesta Dolomitskega odreda 10, 1000 Ljubljana, Slovenia

This is a multi-site certificate. Additional site details are listed in the appendix to this certificate.

Bureau Veritas Certification Denmark A/S certifies that the Management System of the above organization has been audited and found to be in accordance with the requirements of the management system standards detailed below.

Standard

DS/EN ISO 13485:2016

Scope of certification

DEVELOPMENT, DESIGN, PRODUCTION, SALES AND SERVICE OF EQUIPMENT AND SYSTEMS FOR COMPRESSED AIR AND OTHER GASES, FILTRATION AND SEPARATION OF GASES AND LIQUIDS.

Original cycle start date: **15-December-2020**

Expiry date of previous cycle: **NA**

Certification/Recertification Audit date: **NA**

Certification/ Recertification cycle start date: **15-December-2020**

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: **14-December-2023**

Certificate No.: DNKFRC102175 Version: 1 Revision date: **15-December-2020**

Certification Office: Bureau Veritas Certification Denmark A/S
Oldenborggade 25-31, 7000 Fredericia, Denmark

Further clarifications regarding the scope of this certificate and the applicability of the Management System requirements may be obtained by consulting the organization. To check this certificate validity, please call **(+45) 77 311 000**. 1/2



DANAK
SYSTEM Reg.nr. 5005



BUREAU
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OMEGA AIR d.o.o. Ljubljana

Standard

DS/EN ISO 13485:2016

Scope of certification

DEVELOPMENT, DESIGN, PRODUCTION, SALES AND SERVICE OF EQUIPMENT AND SYSTEMS FOR COMPRESSED AIR AND OTHER GASES, FILTRATION AND SEPARATION OF GASES AND LIQUIDS.

<u>Site Name/location:</u>	<u>Site Addition Date:</u>	<u>Site Address:</u>	<u>Site Scope:</u>
OMEGA AIR d.o.o. Ljubljana	15-December-2020	Cesta Dolomitskega odreda 10, 1000 Ljubljana, Slovenia	DEVELOPMENT, DESIGN, PRODUCTION, SALES AND SERVICE OF EQUIPMENT AND SYSTEMS FOR COMPRESSED AIR AND OTHER GASES, FILTRATION AND SEPARATION OF GASES AND LIQUIDS.
OMEGA AIR d.o.o. PE Logatec	15-December-2020	Obrtna cona Logatec 20, 1370 Logatec, Slovenia	DEVELOPMENT, DESIGN, PRODUCTION, SALES AND SERVICE OF EQUIPMENT AND SYSTEMS FOR COMPRESSED AIR AND OTHER GASES, FILTRATION AND SEPARATION OF GASES AND LIQUIDS.

Certificate No.: DNKFRC102175 Version: 1 Revision date: 15-December-2020

Certification Office:

Kirkel Jues
Bureau Veritas Certification Denmark A/S
Oldenborggade 25-31, 7000 Fredericia, Denmark

Further clarifications regarding the scope of this certificate and the applicability of the Management System requirements may be obtained by consulting the organization. To check this certificate validity, please call (+45) 77 311 000. 2/2





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OMEGA AIR d.o.o. Ljubljana

Cesta Dolomitskega odreda 10, 1000 Ljubljana, Slovenia

OMEGA AIR d.o.o. Ljubljana, PE Logatec, Obrtna cona Logatec 20, 1370 Logatec, Slovenija

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015

Scope of certification

Development, design, production, sales and service of equipment and systems for compressed air and other gases, filtration and separation of gases and liquids.

Original Cycle Start Date: 16-09-2003

Expiry date of previous cycle: 15-09-2021

Certification / Recertification Audit date: 09-07-2021

Certification / Recertification cycle start date: 16-09-2021

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: 15-09-2024

Certificate Number: SI008842 Version: 1 Issue Date: 14-09-2021

Kihl Jnes

Certification Body Address: 5th Floor, 66 Prescott Street, London, E1 8HG, United Kingdom

Local office: Linhartova cesta 49a, SI - 1000 Ljubljana, Slovenia

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +386 1 47 57 670



0008



ВОЗДУХ И ДРУГИЕ ГАЗЫ

Каталог продукции 2019-2021

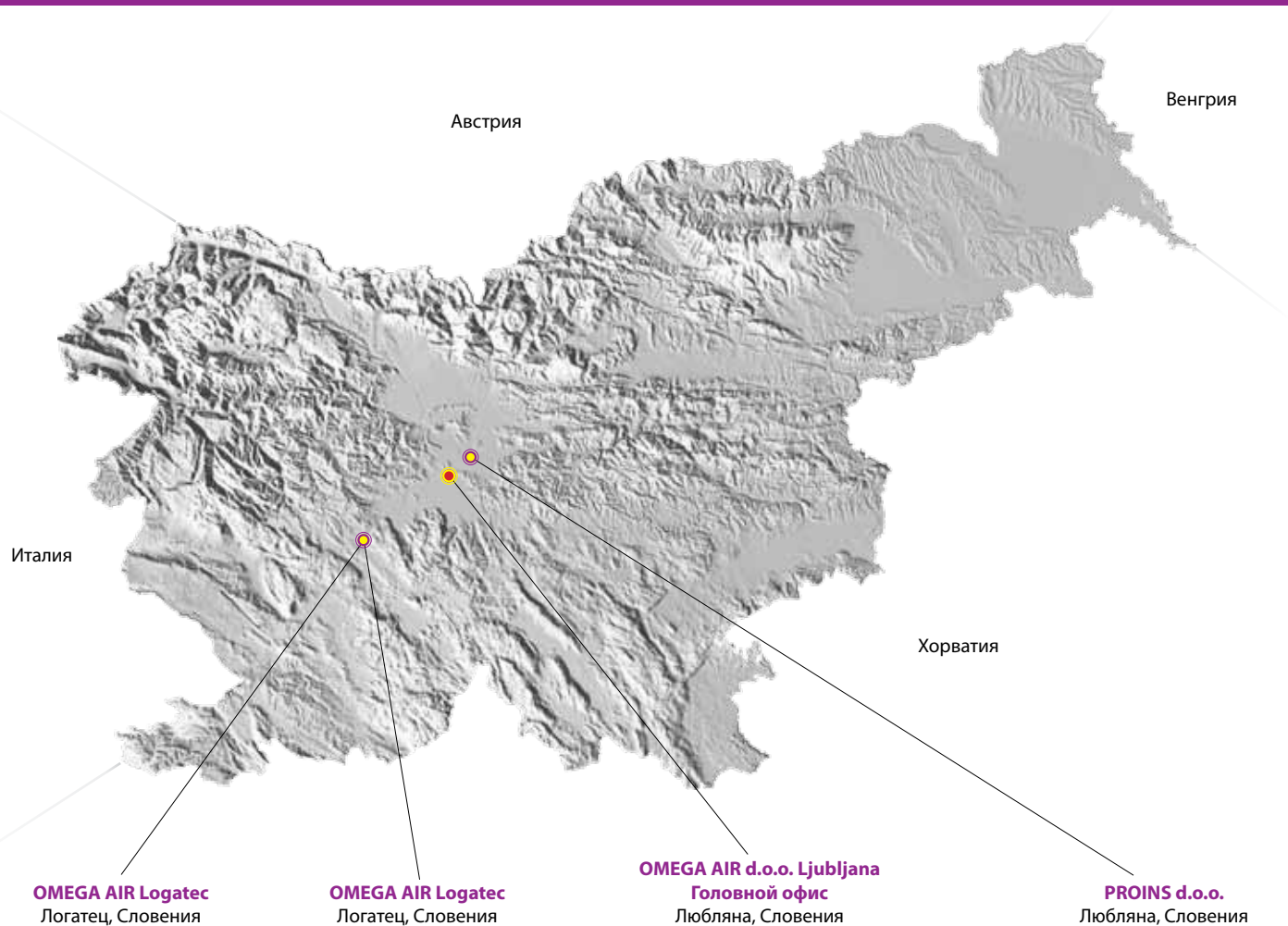




OMEGA AIR d.o.o. Ljubljana
Cesta Dolomitskega odreda 10
SI-1000 Ljubljana, Slovenia

T +386 (0)1 200 68 00
F +386 (0)1 200 68 50
info@omega-air.si
www.omega-air.si

GPS: 46°2'27.13" 14°27'59.46"



Основной склад
Площадь: 4000 м²



Отдел компрессорная техника
Сервис центр
Сварной цех
Производство осушителей
Площадь участка: 31.500 м²
Помещения: 4.100 м²



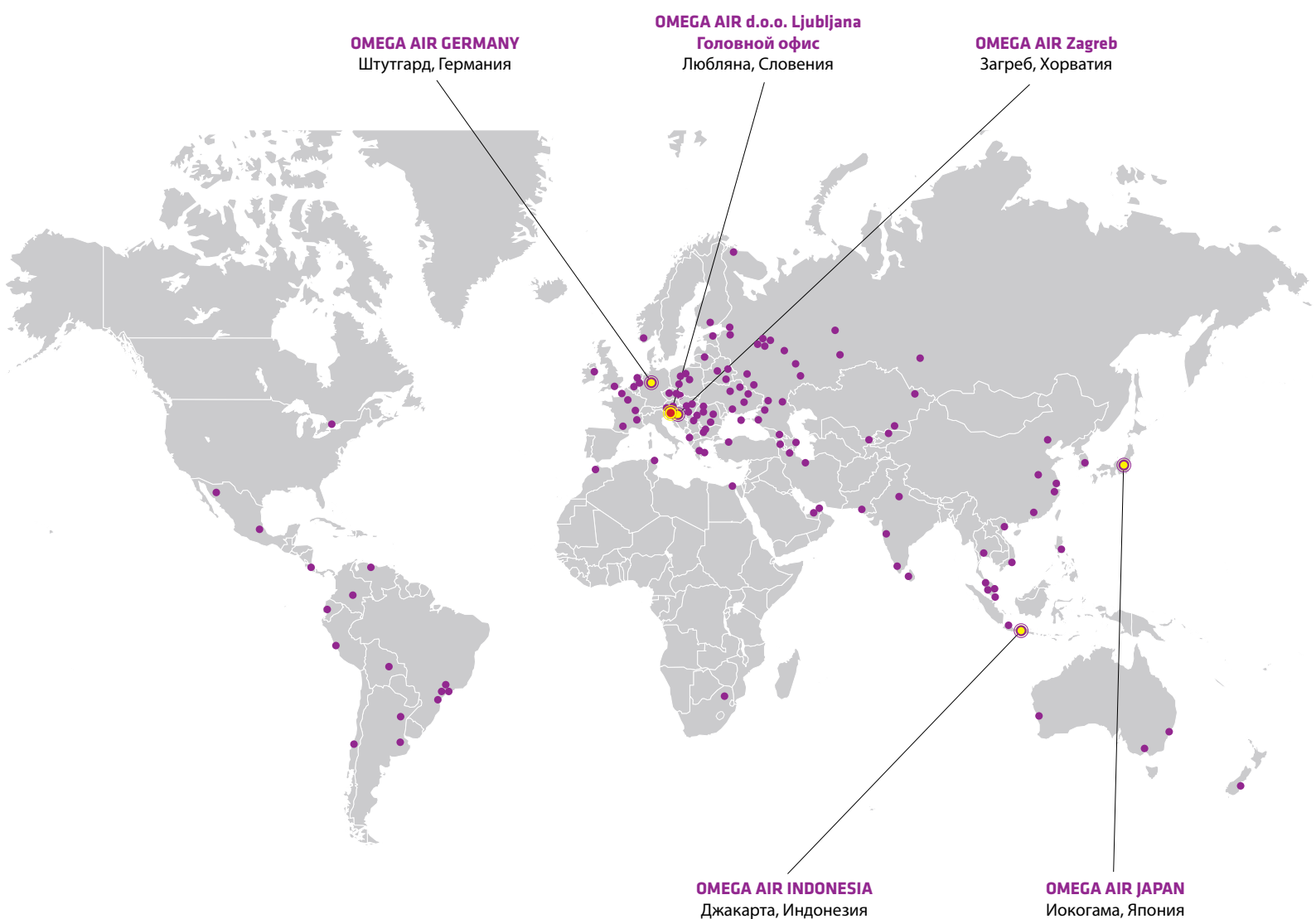
Основной офис
Производственные участки
Отдел продаж
Отдел развития новых
продуктов
Площадь: 6.600 м²

proins
Napredne inštalacije

Монтаж оборудования

OMEGA AIR

Воздух и Другие газы



- OMEGA AIR Главный офис
- OMEGA AIR Филиал/Представитель
- OMEGA AIR Дистрибьютор

**16 бар**

рабочее давление

60 до 2.760 Нм³/ч

производительность

3/8" до 3"

соединение

1,5 до 65 °C

темп. диапазон

RAL 5012

стандартный цвет

ОПИСАНИЕ

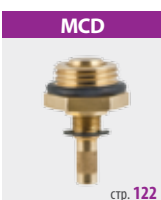
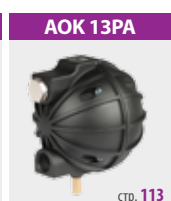
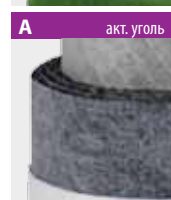
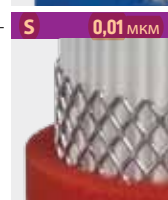
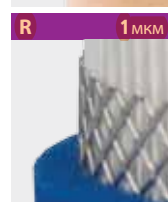
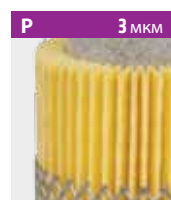
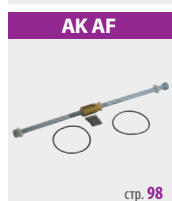
AF фильтры разработаны для высокоэффективного удаления твердых частиц, воды, масла, углеводородов, запахов и паров из систем сжатого воздуха*. Для достижения требуемого качества сжатого воздуха необходима установка соответствующего фильтроэлемента (B, P, R, M, S, A, A2, H2, MS2). * Для информации о других газах свяжитесь с производителем или вашим поставщиком.

ПРИМЕНЕНИЯ

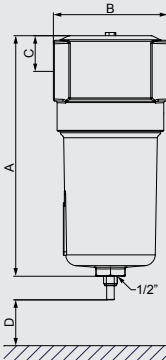
- общее промышленное применение
- автомобильная промышленность
- электронная техника
- пищевая промышленность
- химическая промышленность
- нефтегазохимическая промышленность
- производство пластмасс
- лакокрасочная промышленность

AF СЕРИЯ

ФИЛЬТРЫ В АЛЮМИНИЕВОМ КОРПУСЕ





ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ										ФИЛЬТРОЭЛЕМЕНТЫ								
Модель корпуса фильтра	Присоединение	Макс. давление	Производительность (при 7 бар и д., 20 °C)		Размеры [мм]				Вес	В	Р	Р	М	С	А	А²	Н²	MS²
	в дюймах	бар/psi	м³/ч	scfm	A	B	C	D		кг	спеч. фильтр 15 мкм	префильтр 3 мкм	префильтр 1 мкм	микрофильтр 0,1 мкм	микрофильтр 0,01 мкм	акт. уголь	адсорбер (акт. уголь)	катализатор (гопкалит)
AF 0056	3/8"	16/232	60	35	192	88	25	60	0,6	06050 B15	06050 P	06050 R	06050 M	06050 S	06050 A	-	-	-
AF 0076	1/2"	16/232	78	46	192	88	25	60	0,6	07050 B15	07050 P	07050 R	07050 M	07050 S	07050 A	07050 A²	07050 H²	07050 MS²
AF 0106	3/4"	16/232	120	70	262	88	25	80	0,7	14050 B15	14050 P	14050 R	14050 M	14050 S	14050 A	14050 A²	14050 H²	14050 MS²
AF 0186	1"	16/232	198	116	264	125	39	100	1,2	12075 B15	12075 P	12075 R	12075 M	12075 S	12075 A	12075 A²	12075 H²	12075 MS²
AF 0306	1"	16/232	335	197	364	125	39	120	1,6	22075 B15	22075 P	22075 R	22075 M	22075 S	22075 A	22075 A²	22075 H²	22075 MS²
AF 0476	1 1/2"	16/232	510	300	464	125	39	140	1,9	32075 B15	32075 P	32075 R	32075 M	32075 S	32075 A	32075 A²	32075 H²	32075 MS²
AF 0706	1 1/2"	16/232	780	459	644	125	39	160	2,6	50075 B15	50075 P	50075 R	50075 M	50075 S	50075 A	50075 A²	50075 H²	50075 MS²
AF 0946	2"	16/232	1000	588	696	164	50	520	5,7	51090 B15	51090 P	51090 R	51090 M	51090 S	51090 A	-	-	-
AF 1506	2"	16/232	1500	882	943	164	50	770	7,6	76090 B15	76090 P	76090 R	76090 M	76090 S	76090 A	-	-	-
AF 1756	2 1/2"	16/232	1680	990	943	164	50	770	7,3	76090 B15	76090 P	76090 R	76090 M	76090 S	76090 A	-	-	-
AF 2006	3"	16/232	2160	1270	801	242	60	630	14,1	51140 B15	51140 P	51140 R	51140 M	51140 S	51140 A	-	-	-
AF 2406	3"	16/232	2760	1620	998	242	60	780	16,7	75140 B15	75140 P	75140 R	75140 M	75140 S	75140 A	-	-	-
	класс качества по твердым частицам (ISO 8573-1)									7	6	3	2	1	1³)	1³)	1³)	1
	остаточное содержание масла [мг/м³]									-	-	-	<0,1	<0,01	<0,005	<0,005	-	-
	класс качества по маслу (ISO 8573-1)									-	-	-	2	1	1	0/1	-	-
	перепад давления для нового элемента [мбар / psi]									20 / 0,290	10 / 0,145	20 / 0,290	50 / 0,725	80 / 1,160	60 / 0,870	см. спец-ю	см. спец-ю	< 50 / 0,725
	замена фильтроэлемента при перепаде давления [мбар psi]									¹)	350 / 5,07	350 / 5,07	350 / 5,07	350 / 5,07	6 месяцев ²)	6 месяцев²)	6 месяцев²)	
	материал фильтра									спеченная бронза	акриловое волокно, целлюлоза	боросиликатное микроволокно			боросиликатное микроволокно			
															акт. уголь	акт. уголь	гопкалит	молек. сито
	гафрированный материал									-	✓	✓	✓	✓	-	✓	✓	✓
	намотанный материал									-	-	-	-	-	✓	-	-	-
	спеченный фильтр									✓	-	-	-	-	-	-	-	-
мин. рабочая температура [°C / °F]									1,5 / 35	1,5 / 35	1,5 / 35	1,5 / 35	1,5 / 35	1,5 / 35	1,5 / 35	1,5 / 35	1,5 / 35	1,5 / 35
макс. рабочая температура [°C / °F]									65 / 149	65 / 149	65 / 149	65 / 149	65 / 149	45 / 113	45 / 113	45 / 113	45 / 113	

КОРРЕКТИРУЮЩИЕ ФАКТОРЫ																
Рабочее давление [бар]	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Рабочее давление [psi]	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232	
Корректирующий фактор	0,38	0,50	0,63	0,75	0,88	1	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,00	2,13	

¹⁾ Фильтроэлемент В может быть очищен при помощи ультразвуковых ванн или очистки противотоком. Интервалы между очисткой зависят от области применения. При необходимости замените фильтроэлемент на новый. ²⁾ Фильтроэлементы "А, А², Н²", должны быть заменены в соответствии с областью применения, но как минимум каждые 6 месяцев. Фильтры с активированным углем нельзя применять в условиях повышенного содержания масла. ³⁾ При условии, что перед ним установлен "S" фильтр. ⁴⁾ При использовании фильтроэлементов А², Н² и MS² необходимо сократить поток воздуха в соответствии с техническим листом.

**16 бар**

рабочее давление

1,5 до 45 °C

темпер. диапазон

3/8" до DN125

соединение

6 до 6500 м³/ч

производительность

RAL 9005

стандартный цвет

ОПИСАНИЕ

Сосуды с активированным углем серии ТАС разработаны для фильтрации масляных частиц из сжатого воздуха (фильтрация сухого типа).

Корпусы моделей ТАС серии сделаны из углеродистой стали высокого качества. С помощью распределителей потока воздух проходит сквозь слои активированного угля.

Отделение масляных паров и других углеводородов происходит в результате процесса адсорбции.

Перед колонной ТАС необходимо устанавливать коалесцирующий фильтр сверхтонкой очистки, после ТАС рекомендована установка фильтра пыли активированного угля с глубиной очистки до 1 мкм. Версия из нержавеющей стали по запросу. Рабочая среда 1 группы по запросу.

ПРИМЕНЕНИЯ

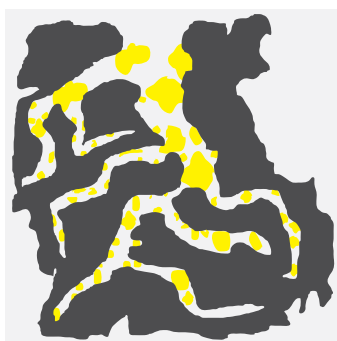
- автомобильная промышленность
- электронная техника
- пищевая промышленность
- химическая промышленность
- нефтегазохимическая промышленность
- производство пластмасс
- лакокрасочная промышленность
- общее промышленное применение

ТАС СЕРИЯ КОЛОННА С АКТ. УГЛЕМ

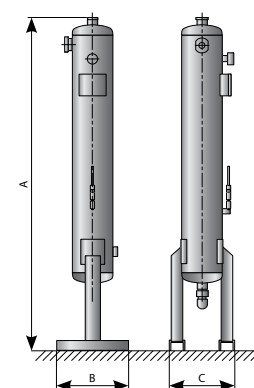


TACm

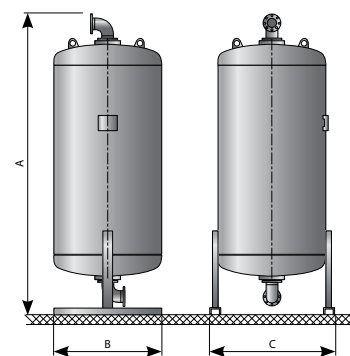
TAC



КОРРЕКТИРУЮЩИЕ КОЭФФИЦИЕНТЫ									
Модель	Присоединение	Рабочее давление	Производительность (при 7 бар и д., 20 °C)		Размеры [мм]			Вес	Модель картриджа
		бар	м³/ч	scfm	A	B	C	кг	
TACm 6	3/8"	16	6	3,5	404	188	100	3,5	1 x ø80
TACm 12	3/8"	16	12	7	638	188	100	5,3	2 x ø80
TACm 23	3/8"	16	24	14,1	1.106	188	100	6,5	4 x ø80
TACm 35	3/8"	16	36	21,1	1.574	188	100	12	6 x ø80
TACm 56	1/2"	16	60	35,3	1.106	270	148	15	4 x ø129
TACm 70	1/2"	16	75	44,1	1.340	270	148	18	5 x ø129
TACm 105	1/2"	16	105	61,8	1.808	270	148	22	7 x ø129
TAC 110	1"	16	110	86	1.522	350	252	45	-
TAC 150	1"	16	150	117	1.766	350	252	52	-
TAC 200	1"	16	200	157	1.532	400	303	71	-
TAC 250	1"	16	260	204	1.784	400	303	83	-
TAC 300	1 1/2"	16	320	251	1.551	450	357	97	-
TAC 400	1 1/2"	16	410	321	1.798	450	357	114	-
TAC 600	1 1/2"	16	590	462	1.893	650	424	160	-
TAC 800	2"	16	770	603	1.877	650	468	201	-
TAC 1000	2"	16	1.000	784	1.961	650	506	242	-
TAC 1200 F	DN50	16	1.200	936	2.170	550	550	280	-
TAC 1500 F	DN65	16	1.500	1.170	2.210	620	620	355	-
TAC 2000 F	DN65	16	2.000	1.560	2.330	700	700	420	-
TAC 2500 F	DN80	16	2.500	1.950	2.260	760	760	510	-
TAC 3000 F	DN80	16	3.000	2.340	2.400	800	800	595	-
TAC 3750 F	DN100	16	3.750	2925	2.490	920	920	745	-
TAC 5000 F	DN100	16	5.000	3.900	2.600	1.050	1.050	960	-
TAC 6500 F	DN125	16	6.500	5.070	2.730	1.150	1.150	1.300	-



TAC



TACF

класс качества по твердым частицам (ISO 8573-1)	-
класс качества - вода (ISO 8573-1)	-
класс качества по маслу (ISO 8573-1)	0/1
перепад давления для нового элемента [мбар / psi]	20 / 0,29
материал фильтра	акт. уголь
остаточное содержание масла (номинально) [мг/м³]	<0,003

Корректирующие коэффициенты																
Рабочее давление [бар]	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Рабочее давление [psi]	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232	
Корректирующий коэффициент	0,38	0,5	0,63	0,75	0,88	1	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,0	2,13	

Корректирующие коэффициенты						
Рабочая температура [°C]	20	25	30	35	40	45
Корректирующий коэффициент	1	0,98	0,97	0,92	0,86	0,75

Замена активированного угля производится не реже раз в 12 месяцев. Каждый месяц необходимо проводить проверку на остаточное содержание масла.

CONDENSATE SEPARATOR

CKL-B

DESCRIPTION

CKL-B condensate separators have been developed for high efficient removal of bulk liquids from compressed air⁽¹⁾ and vacuum systems. Inside the housing there is an insert with vanes that creates controlled rotation of the air. As a result of centrifugal action liquids (water, oil) and large particles are forced to the housing wall, slowed down and accumulated at the bottom of separator housing as condensate. The turbulent free zone in the lower part of the filter housing prevents condensate from being picked up and "carried over" into the airstream.

Because of the nature of application, it is essential to install appropriately sized condensate drain on the separator.

APPLICATIONS⁽²⁾

- Automotive
- Electronics
- Food & Beverage
- Chemical
- Petrochemical
- Plastics
- Paint
- General industrial application



⁽¹⁾For any other technical gas please contact us or your local dealer

⁽²⁾CKL-B condensate separator can be used in variety of applications. For applications not listed please contact us or your local dealer.

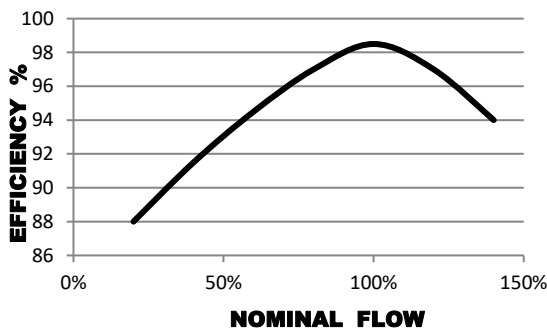
RATING ACCORDING TO ISO8573-1

Solid particles	Water	Oil
-	Class 8	-

TECHNICAL SPECIFICATION

Operating temperature	1,5 - 65 °C	35 - 149 °F
Operating pressure	0 - 16 bar(g)	0 - 232 psi
Efficiency ⁽⁴⁾	>98%	

⁽⁴⁾Under nominal flow, 20°C, inlet droplet size 10 µm - 50 µm



MATERIALS

Housing material	Aluminium
Fittings, Screws	Brass, Brass-zinc plated, Steel
Cover	ABS
Sealing	NBR
Cyclone element	PA6 30% glass fibre, Steel 1,4301
Corrosion protection	Anodized (optional)
Outside protection	Powder paint coated (Epoxy-polyester base)
Lubricant	Shell Cassida Grease RLS 2

SIZES

HOUSING	PIPE SIZE [inch]	FILTER ELEMENT	FLOW CAPACITY		DIMENSIONS [mm]				VOLUME [l]	WEIGHT [kg]
			[Nm ³ /h]	[scfm]	A	B	C	D		
CKL 005 B	3/8"	Integrated	60	35	192	88	25	60	0,49	0,6
CKL 007 B	1/2"		78	46	192	88	25	60	0,49	0,6
CKL 010 B	3/4"		120	70	264	88	25	80	0,68	0,7
CKL 018 B	1"	CKL-B	198	116	264	125	39	100	1,57	1,9
CKL 047 B	1 1/2"	Cyclone	510	300	464	125	39	140	2,7	1,9
CKL 094 B	2	element	1000	588	694	163	50	520	6,1	5,7
CKL 150 B	2 1/2"		1500	882	694	163	50	520	8,3	7,6
CKL 200 SS ⁽⁵⁾	3"		2160	1270	801	242	60	630	16,7	14,1

Flow capacity at 7 bar(g), 20°C

Standard is BSP pipe connection, other pipe connection on request.

⁽⁵⁾ Stainless steel cyclone element

PRESSURE EQUIPMENT DIRECTIVE PED 2014/68/EU (Fluid group 2)

CKL 005 B - CKL 047 B

Article 4.3

CKL 094 B - CKL 150 B

Category 1, Module A

CKL 2006 SS

Category 2, Module H

PRESSURE EQUIPMENT DIRECTIVE PED 2014/68/EU (Fluid group 1)⁽⁶⁾

CKL 005 B - CKL 010 B

Article 4.3

CKL 018 B - CKL 047 B

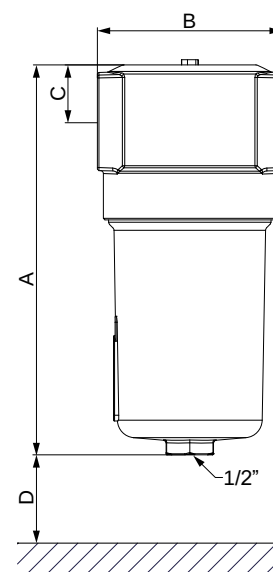
Category 1, Module A

CKL 094 B - CKL 150 B

Category 2, Module H

CKL 2006 SS

Category 3, Module H

⁽⁶⁾ Fluid group must be specified in the order, if not standard fluid group 2 is selected.

CORRECTION FACTORS

To calculate the correct capacity of a given separator based on actual operating conditions, multiply the nominal flow capacity by the appropriate correction factor(s).

CORRECTED CAPACITY = NOMINAL FLOW CAPACITY x C_{OP}

OPERATING PRESSURE

[bar]	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
[psi]	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232
C _{OP}	0,38	0,5	0,63	0,75	0,88	1	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,00	2,13

MAINTENANCE

Once per year make a visual check of separator housing and make sure there is no visual damage. At least every six months check if condensate drain is operating properly.

INFORMATION IN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

	Our quality management system is certified by BUREAU VERITAS in conformity with ISO 9001:2008 Reg. number: 200285	
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Certificate of Approval

This is to certify that the Management System of:

Walker Filtration Ltd

Birtley Road, Washington, NE38 9DA, United Kingdom

has been approved by Lloyd's Register to the following standards:

ISO 13485:2016



David Derrick - Area Operations Manager UK & Ireland

Issued by: Lloyd's Register Quality Assurance Limited

Current issue date: 23 January 2020

Expiry date: 22 January 2023

Certificate identity number: 10246432

Original approval:

ISO 13485 – 23 January 2020

Product Approval number: ISO 13485 – 00023904

The scope of this approval is applicable to:

Manufacture of Medical Gas Products (Manifolds, Wallzones, Medical Plant, Hoses, PMGS Outlets, LBV and Global Dryer) for various OEM Brands and supply of associated service parts required for the product life.



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Certificate of Approval

This is to certify that the Management System of:

Walker Filtration Ltd

Birtley Road, Washington, NE38 9DA, United Kingdom

has been approved by Lloyd's Register to the following standards:

ISO 9001:2015

Approval number(s): ISO 9001 – 00005450

The scope of this approval is applicable to:

Design and manufacture of compressed air and gas filters, dryers and purification equipment, vacuum filters, autoclave filters for steam sterilizers and smoke evacuators for use in medical laser surgery.



David Derrick

Area Operations Manager UK & Ireland

Issued by: Lloyd's Register Quality Assurance Limited



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Medical Sterile Filters

Models | A30006MS to A31500MS

Flow Rates 6 SCFM (10 Nm³/hr) to 1500 SCFM (2550 Nm³/hr)

When it comes to patient care, quality and reliability of compressed air is paramount. Walker Filtration's range of Alpha Medical Sterile Filters guarantees reliable and outstanding air purity that meets internationally certified medical performance levels.

100% integrity tested, Alpha Medical Sterile elements are guaranteed for a minimum of 100 sterilisations at 120°C (248°F), ensuring your compressed air is free from live bacteria and other submicron particles.

Designed to exceed the requirements of UK Health Technical Memorandum, HTM 02-01



Stainless Steel End Caps

Specially designed for autoclave sterilisation compatibility



100% Integrity Tested

Each element is supplied with an Air Sterilisation Certificate to guarantee the highest quality to our customers



Product Safety in Mind

Lock indication arrows assure effective sealing



- **International Validation** Designed to exceed the requirements of HTM 02-01 medical gas pipeline systems
- **Simplified Serviceability** Ribbed bowl design and unique push fit elements ensure quick and reliable maintenance
- **Product Safety in Mind** Guaranteed safe housing closure with rotational safety stop
- **Corrosion Protection** Internal and external electrophoretic paint finish followed by a tough polyester powder coating
- **Flexible Installation** Modular design and accessible fixings enable simple close coupling assembly
- **Robust and Sterilisable Materials** Manufactured from cast aluminium alloy for enhanced strength and protection



For further information please visit www.walkerfiltration.com



For further information please call: +44 (0) 191 417 7816

Technical Specification

Filter model	Pipe size inches	Inlet flow rate*		Dimensions mm				Weight Kg	Element model
		Nm/hr	SCFM	A	B	C	D		
A30006MS	1/8	10	6	50	17	157	60	0.3	E30306SR
A30015MS	1/4	25	15	50	17	157	60	0.3	E30306SR
A30025MS	1/4	42	25	70	23	231	70	0.6	E30408SR
A30032MS	3/8	54	32	70	23	231	70	0.6	E30408SR
A30050MS	1/2	85	50	70	23	231	70	0.6	E30412SR
A30070MS	1/2	119	70	127	32	285	80	1.7	E30612SR
A30085MS	3/4	144	85	127	32	285	80	1.7	E30612SR
A30105MS	1	178	105	127	32	370	80	2.0	E30612SR
A30125MS	3/4	212	125	127	32	370	80	2.0	E30621SR
A30175MS	1	297	175	127	32	370	80	2.0	E30621SR
A30280MS	1 1/4	476	280	140	41	476	85	3.0	E30731SR
A30320MS	1 1/2	544	320	140	41	476	85	3.0	E30731SR
A30400MS	1 1/2	680	400	170	53	508	100	4.9	E30831SR
A30450MS	2	765	450	170	53	508	100	4.9	E30831SR
A30700MS	2	1189	700	170	53	708	100	5.5	E30850SR
A30850MS	2 1/2	1444	850	220	70	736	100	10.5	E31140SR
A30900MS	3	1529	900	220	70	736	100	10.5	E31140SR
A31250MS	3	2125	1250	220	70	857	100	11.5	E31160SR
A31500MS	3	2550	1500	220	70	1005	100	12.5	E31175SR

* Rated flow at 7 barg, reference conditions 1 bar (a) 20°C

Grade	SR	
DOP efficiency**	>99.9999%	
Particle removal	0.01 micron	
Maximum operating temperature	120°C	248°F
Recommended operating temperature	50°C	122°F
Maximum autoclave temperature	134°C	273°F
Pressure Loss - clean & dry	100 mbar	1.5 psi
Maximum working pressure	20.7 barg	300 psig
Element end cap material	Stainless steel	

** As specified in HTM 02-01 medical gas pipeline systems

Pressure correction factors	For maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure									
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)	20.7 (300)
7 barg – correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51	1.73

Technical Notes

- Filter element end caps are stainless steel.
- Direction of air flow is outside to in through the filter element.
- Pop up indicators (65DPUG3) are fitted to models A30025MS to A30050MS as standard. Differential pressure indicators (65DPIG) are fitted to models A30070MS to A31500MS as standard.
- Manual drain valves (MDV25 on models A30006MS to A30050MS and MDVE25 on models A30070MS to A31500MS) are fitted as standard.
- Medical Sterile Filter elements must not operate in water or oil saturated conditions.
- Maximum steam sterilising autoclave temperature refers to the filter element ONLY. Grade SR filter elements can be steam sterilised 100 times. Each element must be autoclaved before commencement of duty.
- Pre-filtration should be used in conjunction with 0.01 micron sterile filters.
- Threaded filters are manufactured from cast aluminium alloy and are PED 2014/68/EU compliant for group 2 gases.
- Standard threaded connections are Rp (BSP Parallel) to ISO 7-1 or NPT to ANSI/ASME B1.20.1 if supplied within North America. Rc (BSP Taper) to ISO 7-1 also available - see price guide.
- For NPT threads, add the suffix N, e.g., A30070NMS, and for Rc threads add the suffix C, e.g., A30070CMS - see price guide.
- Filter elements should be changed at least every 6 months.
- Filters are suitable for use in dry air conditions only, as any liquids passing through the filter could carry bacteria and compromise sterility.

