



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





BUREAU
VERITAS

Bureau Veritas Certification

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: *Rikke 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



Reg.nr. 5005



BUREAU
VERITAS

Bureau Veritas Certification

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 |
|---------------------|----------|----------|---|-------------|------------|

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

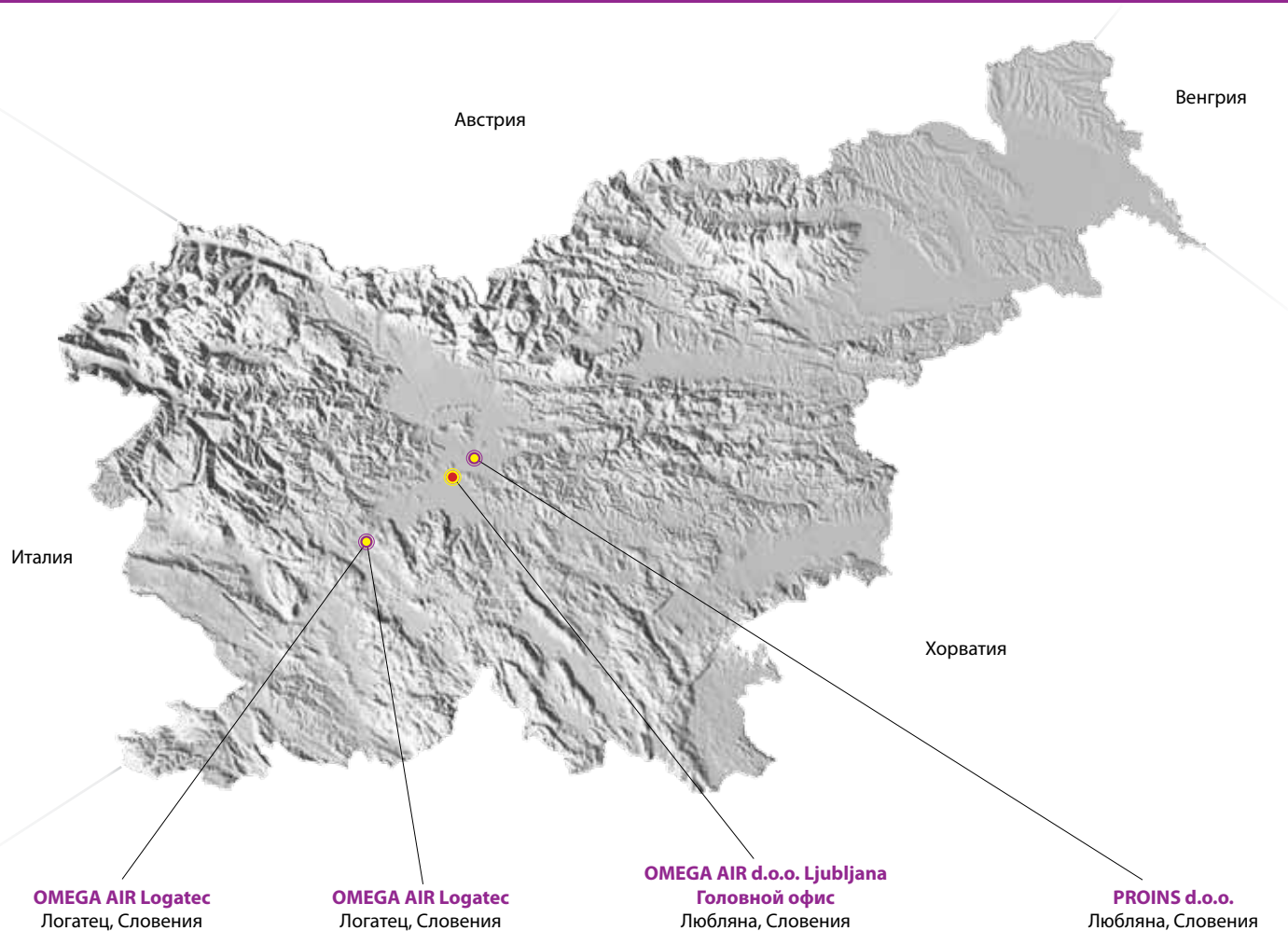




OMEGA AIR d.o.o. Ljubljana
Cesta Dolomitskega odreda 10
SI-1000 Ljubljana, Slovenia

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



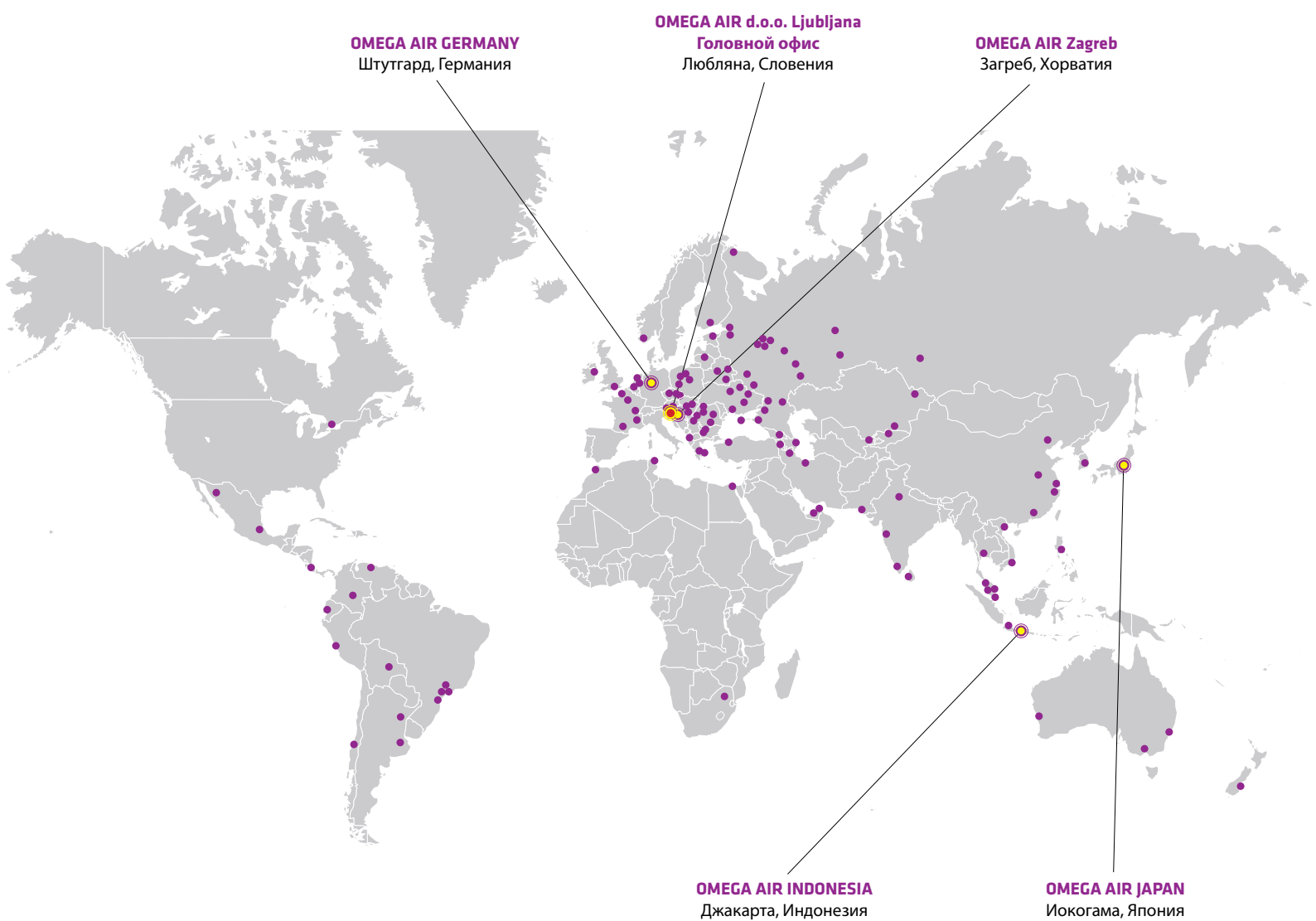
Основной офис
Производственные участки
Отдел продаж
Отдел развития новых
продуктов
Площадь: 6.600 м²

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

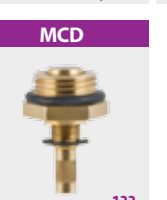
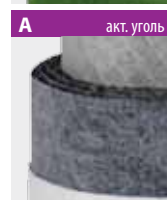
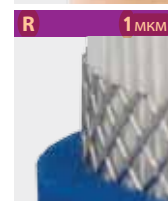
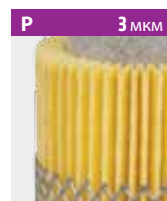
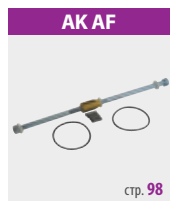
AF фильтры разработаны для высокоэффективного удаления твердых частиц, воды, масла, углеводородов, запахов и паров из систем сжатого воздуха*. Для достижения требуемого качества сжатого воздуха необходима установка соответствующего фильтроэлемента (B, P, R, M, S, A, A2, H2, MS2). * Для информации о других 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 в дюймах | Макс. давление бар/psi | Производительность (при 7 бар и.д., 20 °C) | | Размеры [мм] | | | | Вес кг | B спеч. фильтр 15 мкм | P префильтр 3 мкм | R префильтр 1 мкм | M микрофильтр 0,1 мкм | S микрофильтр 0,01 мкм | A акт. уголь | A ² адсорбер (акт. уголь) | H ² катализатор (гопкалит) | MS ² молек. сито |
| | | | Нм³/ч | scfm | A | B | C | D | | | | | | | | | | |
| 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 A ² | 07050 H ² | 07050 MS ² |
| 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 A ² | 14050 H ² | 14050 MS ² |
| 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 A ² | 12075 H ² | 12075 MS ² |
| 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 A ² | 22075 H ² | 22075 MS ² |
| 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 A ² | 32075 H ² | 32075 MS ² |
| 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 A ² | 50075 H ² | 50075 MS ² |
| 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 | 1 ³⁾ | 1 ³⁾ | 1 ³⁾ | 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 месяцев ²⁾ | 6 месяцев ²⁾ | - | | | | | | | | |
| | 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 | | | | | | | | | |
| макс. рабочая температура [°C / °F] | 65 / 149 | 65 / 149 | 65 / 149 | 65 / 149 | 65 / 149 | 65 / 149 | 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

темп. диапазон

3/8" до DN125

соединение

6 до 6500 м³/ч

производительность

RAL 9005

стандартный цвет

ОПИСАНИЕ

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

Корпусы моделей TAC 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 TAC необходимо устанавливать коагелирующий фильтр сверхтонкой очистки, после TAC 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

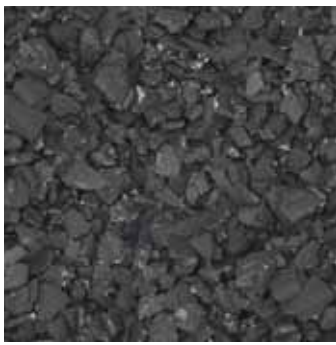
TAC СЕРИЯ

КОЛОННА С АКТ. УГЛЕМ



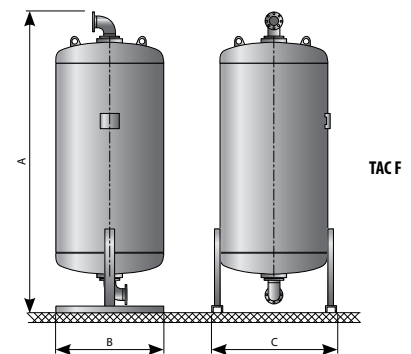
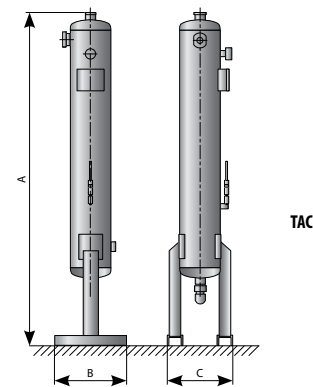
TACm

TAC



КОРРЕКТИРУЮЩИЕ КОЭФФИЦИЕНТЫ

| Модель | Присоединение | Рабочее давление бар | Производительность (при 7 бар и д., 20 °С) | | Размеры [мм] | | | Вес кг | Модель картриджа |
|------------|---------------|-------------------------|---|-------|--------------|-------|-------|-----------|------------------|
| | | | м³/ч | scfm | A | B | C | | |
| 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 | - |



| | |
|---|------------|
| 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.

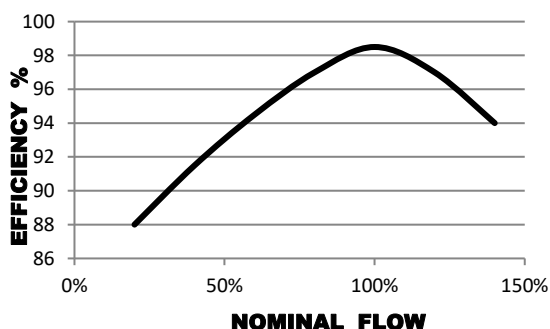
RATING ACCORDING TO ISO8573-1

| 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 10µm - 50µm



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

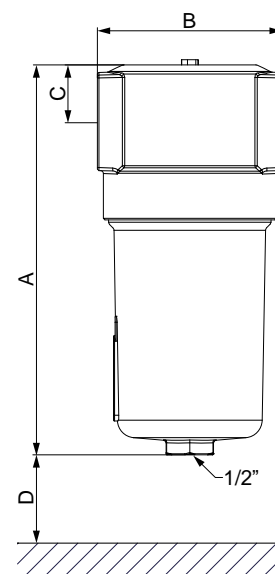
CKL 094 B - CKL 150 B

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

| | |
|---|--|
|  | <p>Our quality management system is certified by BUREAU VERITAS in conformity with ISO 9001:2008 Reg. number: 200285</p> |
|---|--|

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.



001

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



001



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

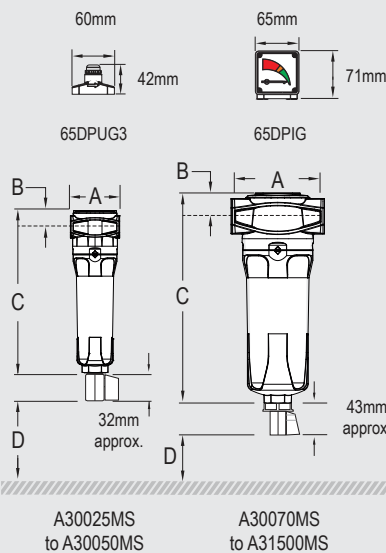
| Grade | SR | |
|-----------------------------------|-----------------|----------|
| DOP efficiency** | >99.9999% | |
| Particle removal | 0.01 micron | |
| Maximum operating temperature | 120°C | 248°F |
| Recommended operating temperature | 50°C | 122°F |
| Maximum autoclave temperature | 134°C | 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) |
| 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.



CRN



Walker Filtration Ltd Birtley Road, Washington, Tyne & Wear, NE38 9DA, United Kingdom.

tel: +44 (0) 191 417 7816 fax: +44 (0) 191 415 3748 email: sales@walkerfiltration.co.uk web: www.walkerfiltration.com