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R07

PFU 210e Filters

Filters – Filtre – Filter – Filtros – Suodattimet –Filtres – Filtri – Filters – Filtre – Filtry – Filtros do – Filtrele – Фильтры – Filter – Filtreleri – 过滤器

Operating manual

Operating manual – Brugsanvisning – Gebrauchsanweisung – Manual de instrucciones – Käyttöohje – Manuel d'utilisation – Manuale d'uso – Gebruiksaanwijzing – Bruksanvisning – Instrukcja obsługi – Manual de utilização – Manual de utilizare – Инструкции по эксплуатации – Bruksanvisning – Kullanım kılavuzu – 操作手册

Read carefully these instructions and the instructions supplied with the powered filter unit PFU 210e. Save the manual for future reference.

Safety instructions

The particle filter provides protection against non-toxic hazardous particles. The gas filter provides protection against certain gases and vapours in breathing air in welding and similar processes - See filter selection table below.

Warning:

It is strictly forbidden to use any other than Kemppi branded filters or other parts or accessories with Kemppi's personal protection equipment. If you do not respect this safety regulation, serious damage for your health may occur.

Warning:

- Do not use this product against toxic gases and vapours. When selecting RPD, pay attention to highly-toxic substances and environments with high concentrations.
- For protection against gases, always use a gas filter combined with a particle filter and a prefilter.
- For protection against particles, always use a particle filter combined with a prefilter and optionally an odor filter.
- The filter service life depends on the working environment. If the environment is very dirty, Kemppi recommends changing the filter after every work shift. From the hygienic point of view, the maximum working time of a filter is 180 hours.
- Immediately replace the filter(s) as soon as you can smell the contaminant.
- When using a gas filter to protect you against gases that are difficult to identify by smell or other senses, follow all special rules for the current conditions.
- Always replace a clogged filter. Never attempt to clean the filter, for example, with pressurized air.
- Do not use expired filters. The expiry date is marked on each filter.
- Only use certified and original filters in PFU 210e Powered Filter Unit. Also, ensure that the filters comply with standard EN12941.
- Oxygen concentration in the ambient air in the premises where the filtering unit is used must not be <17%.
- Note that the gas filters in classes A1, B1 and E1 have been tested for 500 ppm (EN 12941) and for 1000 ppm (AS/NZS 1716: 2012) concentrations.
- The gas filter classification do not indicate the performance of the device in actual use at the workplace and in relation to established occupational exposure limits.
- The minimum breakthrough times are intended only for laboratory tests under standardized conditions. They do not give an indication of the possible service.time of the filter in practical use which can differ from the breakthrough times in both directions, positive and negative depending on the conditions of use.
- When using this filter, do not compare or confuse its markings according to standards other than EN 12941 with the classification of this respiratory protective device (RPD).

Storage

Storage temperature: -20…+50 °C.

Air humidity: <80 % Rh. Store the filters in the manufacturer-sealed packages. See the expiry date on the package.

Manufacturer: Kemppi Oy, PL 13, 15801 Lahti, Finland

Compliance:

Regulation (EU) 2016/425

Regulation 2016/425 on personal protective equipment as brought into UK law and amended

Compliance with standards:

PFU 210e: EN12941:2023

(Epsilon 301/301x clause 5.20.2. excl.)

AS/NZS 1716: 2012

Particle filters: P, Gas filters: A1B1E1

(Max. inward leakage: TH3 = 0.2 %, TH2 = 2%)

Type inspected by:

FORCE Certification A/S, Notified body No. 0200, Park Alle 345, DK-2605 Brøndby (CE Module B).

CCQS Certification Services Limited, Notified body No. 2834, Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin 15 D15 AKK1 Dublin, Ireland (CE Module D).

INSPEC International B.V., Notified body no. 2849, Beechavenue 54-62, 1119 PW, Schiphol-Rijk, The Netherlands (Module B).

AS/NZS: SAI Global Certification Services Pty Limited, Level 7, 45 Clarence Street, Sydney NSW 2000, Australia

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EN

SP012095	Filter cover
SP9320003	Spark arrester
SP9320002	Prefilter, 10 pcs
SP010415	Particle filter Life+, 5 pcs
SP009934	Gas filter Life+
SP021038	Gas filter only for AS/NZS markets
SP027163	Odor prefilter, 10 pcs

DA

SP012095	Filterdæksel
SP9320003	Gnistfanger
SP9320002	Forfilter, 10 stk.
SP010415	Partikelfilter Life+, 5 stk.
SP009934	Gasfilter Life+
SP021038	Gasfilter kun for AS / NZS markeder
SP027163	Forfilter til lugt, 10 stk.

DE

SP012095	Filterdeckel
SP9320003	Funkensperre
SP9320002	Vorfilter, 10 Stück
SP010415	Partikelfilter Life+, 5 Stück
SP009934	Gasfilter Life+
SP021038	Gasfilter nur für AS / NZS Märkte
SP027163	Geruchsvorfilter, 10 Stück

ES

SP012095	Cubierta de filtro
SP9320003	Parachispas
SP9320002	Prefiltro, 10 piezas
SP010415	Filtro de partículas Life+, 5 piezas
SP009934	Filtro de gas Life+
SP021038	Filtro de gas solo para AS / NZS mercados
SP027163	Prefiltro para olores, 10 piezas

FR

SP012095	Couvercle du filtre
SP9320003	Pare-étincelles
SP9320002	Préfiltre, 10 pièces
SP010415	Filtre à particules Life+, 5 pièces
SP009934	Filtre à gaz Life+
SP021038	Filtre à gaz uniquement pour AS / NZS marchés
SP027163	Prefiltre à odeurs, 10 pièces

IT

SP012095	Coperchio dei filtri
SP9320003	Protezione anti-scintille
SP9320002	Pre-filtro, 10 pezzi
SP010415	Filtro anti-particolato Life+, 5 pezzi
SP009934	Filtro gas Life+
SP021038	Filtro gas solo per AS / NZS mercati
SP027163	Prefiltro anti-odore, 10 pezzi

NL

SP012095	Filterdeksel
SP9320003	Vonkenvanger
SP9320002	Voorfilter, 10 stuks
SP010415	Deeltjesfilter Life+, 5 stuks
SP009934	Gasfilter Life+
SP021038	Gasfilter alleen voor AS / NZS markten
SP027163	Geur voorfilter, 10 stuks

NO

SP012095	Filterdeksel
SP9320003	Gnistfanger
SP9320002	Forfilter, 10 stk
SP010415	Partikkelfilter Life+, 5 stk
SP009934	Gassfilter Life+
SP021038	Gassfilter bare for AS / NZS markeder
SP027163	Odørforfilter, 10 stk

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PL

SP012095	Osłona filtra
SP9320003	Iskrochron
SP9320002	Filtr wstępny, 10 szt.
SP010415	Filtr cząstek stałych Life+, 5 szt.
SP009934	Pochłaniacz gazowy Life+
SP021038	Pochłaniacz gazowy tylko dla AS / NZS rynki
SP027163	Filtr wstępny zapachów, 10 szt.

PT

SP012095	Cobertura do filtro
SP9320003	Eliminador de faíscas
SP9320002	Pré-filtro, 10 peças
SP010415	Filtro de partículas Life+, 5 peças
SP009934	Filtro de gás Life+
SP021038	Filtro de gás apenas para AS / NZS mercados
SP027163	Pré-filtro de odores, 10 peças

RO

SP012095	Capac filtru
SP9320003	Descărcător de scântei
SP9320002	Prefiltru, 10 buc
SP010415	Filtru de particule Life+, 5 buc
SP009934	Filtru de gaz Life+
SP021038	Filtru de gaz numai pentru piețele AS/NZS
SP027163	Prefiltru de mirosuri, 10 buc

RU

SP012095	Крышка фильтра
SP9320003	Искроуловитель
SP9320002	Предварительный фильтр, 10 шт.
SP010415	Блок фильтрации твердых частиц Life+, 5 шт.
SP009934	Газовый фильтр Life+
SP021038	Газовый фильтр только для AS / NZS рынки
SP027163	Предварительный фильтр для удаления запахов, 10 шт.

FI

SP012095	Suodatinkansi
SP9320003	Kipinäsuoja
SP9320002	Esisuodatin, 10 kpl
SP010415	Hiukkassuodatin Life+, 5 kpl
SP009934	Kaasusuodatin Life+
SP021038	Kaasusuodatin vain AS/NZS markkinoille
SP027163	Hajujen esisuodatin, 10 kpl

SV

SP012095	Filterkåpa
SP9320003	Gnistskydd
SP9320002	Förfilter, 10 st
SP010415	Partikelfilter Life+, 5 st
SP009934	Gasfilter Life+
SP021038	Gasfilter endast för AS / NZS marknader
SP027163	Odörförfilter, 10 st

TR

SP012095	Filtre kapağı
SP9320003	Kıvılcım önleyici
SP9320002	Ön filtre, 10 adet
SP010415	Partikül filtresi Life+, 5 adet
SP009934	Gaz filtresi Life+
SP021038	Yalnızca AS/NZS pazarları için gaz filtresi
SP027163	Koku ön filtresi, 10 adet

ZH

SP012095	过滤器盖
SP9320003	火花熄灭器
SP9320002	前置过滤器, 10件
SP010415	颗粒过滤器 Life+, 5件
SP009934	气体过滤器 Life+
SP021038	气体过滤器仅针对AS / NZS市场
SP027163	气味预过滤器, 10件

Table for filter selection

Marking	Standard	Part n°	Colour code	Description/Protection against
P	EN12941	SP010415	White	Solid and liquid particles (Aerosols)
	AS/NZS 1716			
A1B1E1	EN12941	SP009934	Brown, Grey, Yellow	• Organic gases and vapours with boiling point >65°C • Inorganic gases and vapours
	AS/NZS 1716	SP021038		

Tabel til filtervalg

Mærkning:	Standard	Del nr	Farvekode	Beskrivelse/beskyttelse mod
P	EN12941	SP010415	Hvid	Faste og flydende partikler (aerosoler)
	AS/NZS 1716			
A1B1E1	EN12941	SP009934	Brun, Grå, Gul	• Organiske gasser og dampe med et kogepunkt >65°C • Uorganiske gasser og dampe
	AS/NZS 1716	SP021038		

Filterauswahltabelle

Kennzeichnung	Standard	Teile-Nr.	Farbcode	Beschreibung / Schutz gegen
P	EN12941	SP010415	Weiß	Feste und flüssige Partikel (Aerosole)
	AS/NZS 1716			
A1B1E1	EN12941	SP009934	Braun, Grau, Gelb	• Organische Gase und Dämpfe mit einem Siedepunkt von> 65 °C • Anorganische Gase und Dämpfe
	AS/NZS 1716	SP021038		

Tabla para la selección del filtro

Referencia	Estándar	Pieza n.º	Código de color	Descripción/Protección frente a
P	EN12941	SP010415	Blanco	Partículas sólidas y líquidas (aerosoles)
	AS/NZS 1716			
A1B1E1	EN12941	SP009934	Marrón, gris, amarillo	• Gases y vapores orgánicos con un punto de ebullición >65°C • Gases y vapores inorgánicos
	AS/NZS 1716	SP021038		

Tableau de sélection de filtres

Code	La norme	Référence	Code couleur	Description/Protection contre
P	EN12941	SP010415	Blanc	Particules solides et liquides (aérosols)
	AS/NZS 1716			
A1B1E1	EN12941	SP009934	Marron, Gris, Jaune	• Gaz et vapeurs organiques ayant un point d'ébullition > 65 °C • Gaz et vapeurs inorganiques
	AS/NZS 1716	SP021038		

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Tabella di selezione dei filtri

Marcatura	Standard	Cod. articolo	Codice colore	Descrizione / Protezione contro
P	EN12941	SP010415	Bianco	Particelle solide e liquide (aerosol)
	AS/NZS 1716			
A1B1E1	EN12941	SP009934	Marrone, grigio, giallo	• Gas e vapori organici con punto di ebollizione >65 °C • Gas e vapori inorganici
	AS/NZS 1716	SP021038		

Tabel voor filterselectie

Opschrift	Standaard	Onderdeelnr.	Kleurcode	Beschrijving/bescherming tegen
P	EN12941	SP010415	Wit	Vaste en vloeibare deeltjes (aerosolen)
	AS/NZS 1716			
A1B1E1	EN12941	SP009934	Bruin, grijs, geel	• Organische gassen en dampen met een kookpunt van >65 °C • Anorganische gassen en dampen
	AS/NZS 1716	SP021038		

Tabell for valg av filter

Merking	Standard	Delnr.	Fargekode	Beskrivelse / beskytter mot
P	EN12941	SP010415	Hvit	Partikler i fast form og væskeform (aerosoler)
	AS/NZS 1716			
A1B1E1	EN12941	SP009934	Brun, grå, gul	• Organiske gasser og damper med kokepunkt > 65 °C • Uorganiske gasser og damper
	AS/NZS 1716	SP021038		

Tabela doboru filtrów

Oznaczenia	Standard	Nr części	Kolor	Opis / ochrona przed
P	EN12941	SP010415	Biały	Cząstki stałe i płynne (aerozole)
	AS/NZS 1716			
A1B1E1	EN12941	SP009934	Brązowy, szary, żółty	• Gazy i opary organiczne o temperaturze wrzenia >65°C • Gazy i opary nieorganiczne
	AS/NZS 1716	SP021038		

Tabela para seleção de filtro

Marcação	Norma	Nº da peça	Código de cores	Descrição/Proteção contra
P	EN12941	SP010415	Branco	Partículas sólidas e líquidos (aerossóis)
	AS/NZS 1716			
A1B1E1	EN12941	SP009934	Marrom, Cinza, Amarelo	• Gases e vapores orgânicos com ponto de ebulição inferior a 65 ºC • Gases e vapores inorgânicos
	AS/NZS 1716	SP021038		

Tabel pentru selectarea filtrului

Marcaj	Standard	Nr. componentă	Cod de culoare	Descriere/Protecție împotriva
P	EN12941	SP010415	Alb	Particule solide și lichide (aerosoli)
	AS/NZS 1716			
A1B1E1	EN12941	SP009934	Maro, Gri, Galben	• Gaze și vapori organici cu punct de fierbere >65 °C • Gaze și vapori anorganici
	AS/NZS 1716	SP021038		

Таблица выбора фильтров

Маркировка	Стандарт	Номер детали	Цветовая маркировка	Описание/защита от
P	EN12941	SP010415	Белый	Твердые и жидкие частицы (аэрозоли)
	AS/NZS 1716			
A1B1E1	EN12941	SP009934	Коричневый, серый, желтый	• Органические газы и пары с точкой кипения более 65 °C • Такие органические газы и пары
	AS/NZS 1716	SP021038		

Suodattimien valintataulukko

Merkintä:	Standardi	Tilausnro:	Värikoodi	Kuvaus/suojaus
P	EN12941	SP010415	Valkoinen	Kiinteät ja nestemäiset hiukkaset (aerosolit)
	AS/NZS 1716			
A1B1E1	EN12941	SP009934	Ruskea, harmaa, keltainen	• Orgaaniset kaasut ja höyryt, joiden kiehumispiste on yli 65 °C • Epäorgaaniset kaasut ja höyryt
	AS/NZS 1716	SP021038		

Tabell för filterval

Märkning	Standard	Del nr.	Färgkod	Beskrivning/Skydd mot
P	EN12941	SP010415	Vit	Fasta partiklar och vätskepartiklar (aerosoler)
	AS/NZS 1716			
A1B1E1	EN12941	SP009934	Brun, grå, gul	• Organiska gaser och ångor med kokpunkt >65°C • Oorganiska gaser och ångor
	AS/NZS 1716	SP021038		

Filtre seçim tablosu

İşaretler	Standart	Parça numarası	Renk kodu	Açıklama/Sağlanan koruma
P	EN12941	SP010415	Beyaz	Katı ve sıvı partiküller (Aerosoller)
	AS/NZS 1716			
A1B1E1	EN12941	SP009934	Kahverengi, Gri, Sarı	• Kaynama noktası 65 °C üzerinde olan organik gazlar ve buharlar • İnorganik gazlar ve buharlar
	AS/NZS 1716	SP021038		

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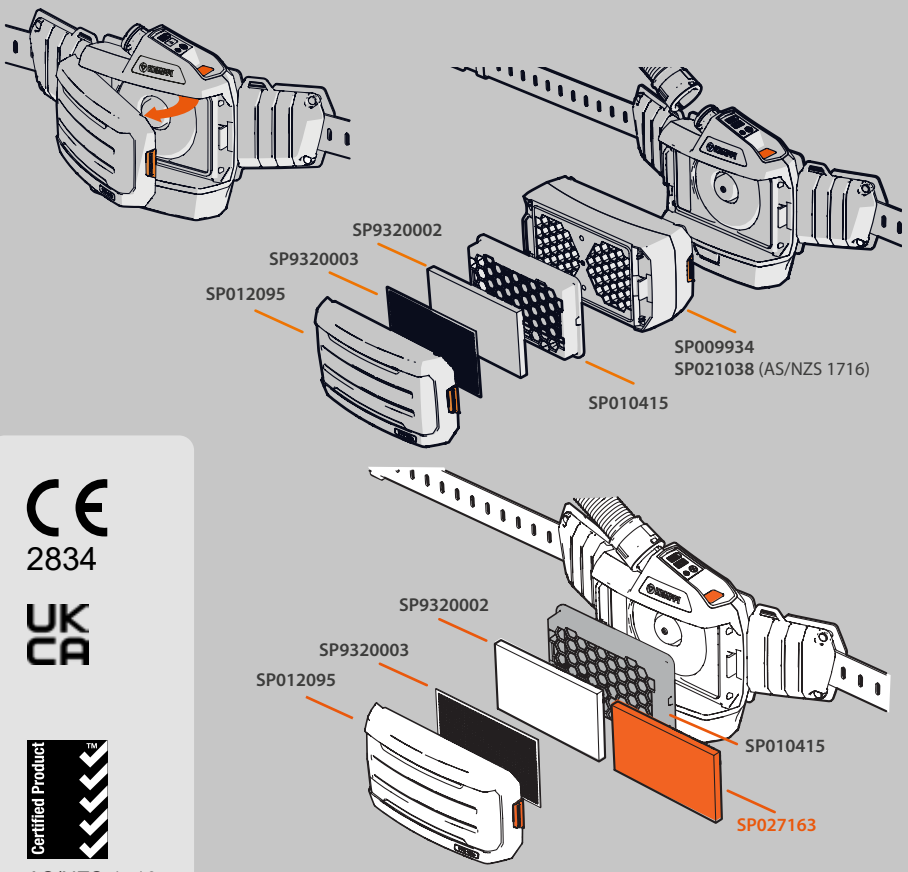
过滤器选择表

标记	标准	部件号	颜色代码	描述/防护物
P	EN12941	SP010415	白色	固体和液体颗粒（气溶胶）
	AS/NZS 1716			
A1B1E1	EN12941	SP009934	棕色， 灰色， 黄色	• 沸点 > 65°C 的有机气体和蒸气 • 无机气体和蒸气
	AS/NZS 1716	SP021038		



CE
2834

UK CA

Certified Product

AS/NZS 1716
SMK40175

Declaration of Conformity – Overensstemmelseserklæring – Konformitätserklärung – Declaración de conformidad – Vaatimustenmukaisuusvakuutus – Déclaration de conformité – Dichiarazione di conformità – Verklaring van overeenstemming – Samsvarserklæring – Deklaracja zgodności – Declaração de conformidade – Declarație de conformitate – Заявления о соответствии – Försäkran om överensstämmelse – Uygunluk Beyanı – 符合性声明

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