

# condensate filtration



product  
catalogue

SEPURA™ offers a comprehensive range of condensate filtration solutions comprising low, mid and high capacity separators. From the compact, revolutionary single use SEP 60 ST to our heavy duty SEP 7000 ST we have a separator to suit most industrial applications.

Developed by filtration specialists Bowman Stor, SEPURA™ provides an innovative, cost-effective, and environmentally beneficial solution for the treatment of air compressor condensate. Covering compressed air systems from 60 – 7,000 cfm, the SEPURA™ oil-water separator range contains our revolutionary **SILEXA™** filtration media.

Made from recycled glass bottles this fully sustainable and renewable patented media is 20% more adsorbent than traditional virgin products, as well as providing a host of major advantages:

- Cleaner, lightweight handling
- No pre-soaking required
- Rapid installation
- Fast, easy servicing
- Outlet quality discharge down to 5ppm.



### Service life indicator

This clever device is activated in seconds by the installing service engineer. The active strip gives a time based visual indication of the service interval, up to one full year.

A fresh indicator set is provided with each new service kit, while a fitment upgrade for existing separators is also supplied with each new service kit, ensuring the feature is available for retro-fit to older installed SEPURA separators.

The service life indicator can also be easily fitted to other makes of separator.

### Treating stable emulsions

In our experience, no 'passive' oil/water separator handles stable emulsions effectively. Something has to be 'active' to make that essential separation happen.

#### SEPURA 'D' has the active ingredient...

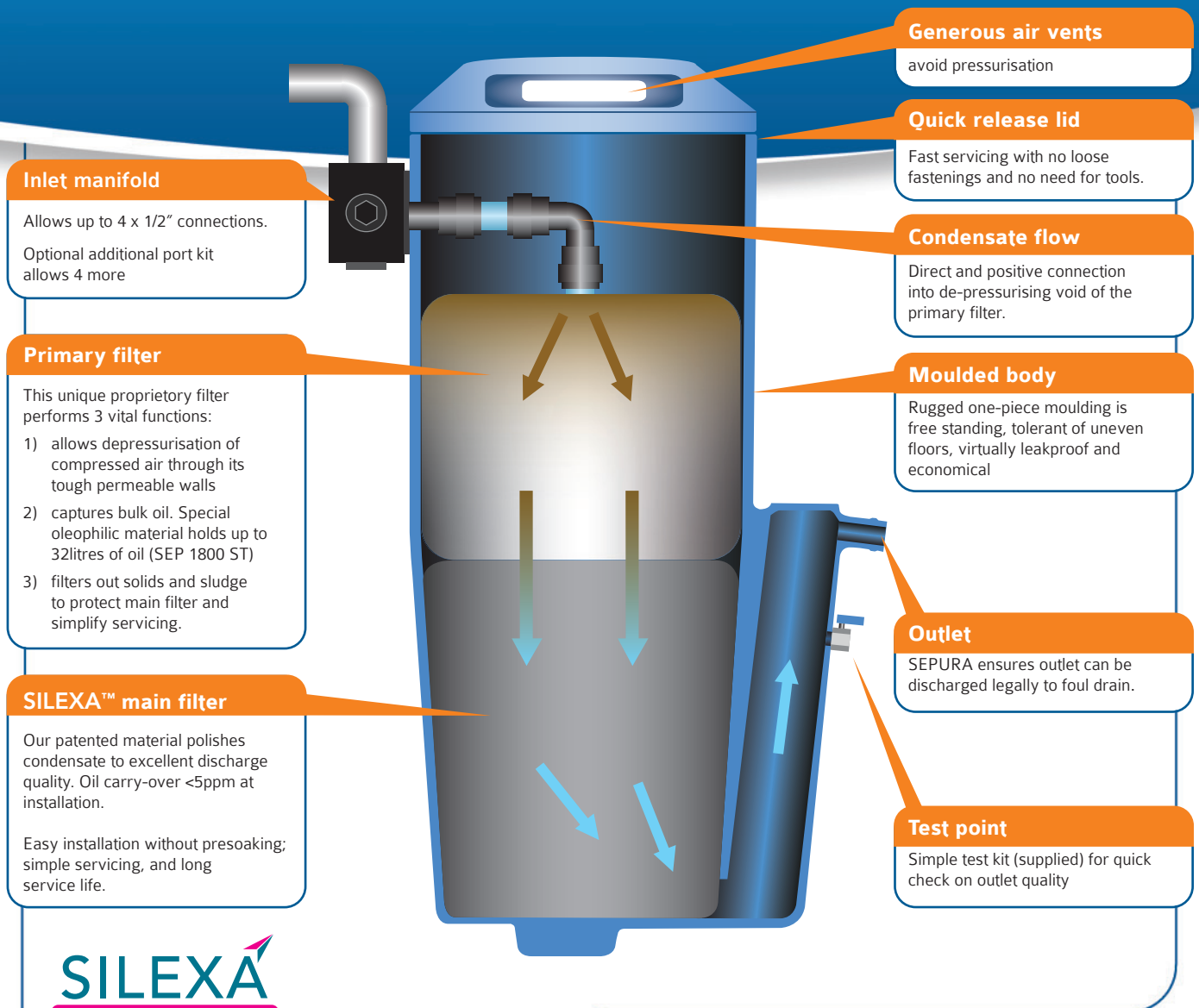
Our specially activated digester kits are purpose designed to deal with those difficult condensate mixtures that simply won't separate in a simple filter - whether carbon, polypropylene, zeolite or any other 'passive' material.

SEPURA's ingenious answer is an active biological creation that literally eats the oil, leaving clear water behind.

When compared to the expensive electro mechanical alternatives available, our digester kit offers a low-cost, easily maintained and environmentally sound answer to a problem that's as old as the condensate management industry - but it took SEPURA to bring it to market.



# How SEPURA works so well - so economically...



## SILEXA™

Only SEPURA™ contain our outstanding SILEXA™ filtration media.

Throughout thorough trials this patented media has been shown to be lighter, 20% more absorbent per weight and cleaner compared to other OEM products.

For more information on SILEXA™ please visit our website.



## Installation benefits

We recognise that space is at a premium - not least in the average compressor house. That's one reason why the SEPURA oil/water separator is designed the way it is, with the smallest footprint of any separator size-for-size, with the ability to accept flexible tube to its inlet block, with no separate oil container, and with all servicing access from the top.

Bowman has a complete range of condensate management products working in harmony to make the job easy and the result first class

## International distribution

SEPURA products are available from our worldwide distribution network.

Subject to our Terms & Conditions our 'no-quibble' 10-year guarantee on separator quality and performance ensures that your peace of mind goes on and on across the lifetime of your compressor plant.

Contact Bowman for full distributor details.

# SEPURA™ SEPARATORS

## SEP 60 ST

- 1 SEP 60 ST Sealed Unit containing SILEXA™ Filtration Media
- 1 Black Disposal Lid & Blanking Plug
- 1 Wall Mounting Bracket
- 1 Inlet Port (see below for options)

The SEP 60 unit comes shipped with a **6mm inlet as standard**.

The sizes below can also be supplied. Please state preference when ordering.



**DIBt**  
APPROVED  
Z-83.5-57



**4000**  
operating  
hours\*

### Inside the Sepura™ SEP 60 sealed unit.

There is no service kit for the SEP 60 as the entire unit can be disposed of at the end of its service life in line with the customers regional guidelines.

\*Service life - 4000 operating hours at 60cfm or 8000 hours at 30cfm (replace after a maximum of 2 years )

technical  
specifications

height / length / width  
(mm)

220 / 145 / 145

height / length / width  
(inch)

38.9 / 17 / 19.5

shipping weight  
(kg)

1.0

shipping weight  
(lbs)

2.2

max capacity  
(cfm / m³min)

60 / 1.7

# SEPURA™ SEPARATORS

## SEP 120 ST

- 1 White Felt Bag Filter with black tube
- 1 Silexa Filter
- 1 Test Bottle
- 1 Cleaner Tower (120,360 or 900)
- 1 Drilled Lid
- 1 Metal Retaining Springs 170mm

### Service interval kit comprising:

- moulded plastic mount + screw
- printed card
- self-adhesive Timestrip.

### Fitting kit containing:

- 1 Straight adaptor 15mm x 1/2" BSP
- 1 Blanking Plug - large
- 1 Elbow 15mm
- 1 Assembled Porting Block
- 3 Porting Block Small Blanking Plugs
- 4 Screw 4.8x45mm and washers
- 2 Grab Taps
- 1 Blue nylon adaptor
- 1 Black Tube 73mm



4000  
operating  
hours

### Kit also includes:

- Weekly Check Sheet
- Instruction Manual
- Installation & Positioning

### technical specifications

height / length / width  
(mm)

500 / 215 / 257

height / length / width  
(inch)

19.7 / 18.5 / 10.1

shipping weight  
(kg)

2.7

shipping weight  
(lbs)

6

max capacity  
(cfm / m³/min)

120 / 3.4

## SEP 360 ST

- 1 White Felt Bag Filter with black tube
- 1 Silexa Filter
- 1 Test Bottle
- 1 Cleaner Tower (120,360 or 900)
- 1 Drilled Lid
- 1 Metal Retaining Springs 250mm

### Service interval kit comprising:

- moulded plastic mount + screw
- printed card
- self-adhesive Timestrip.

### Fitting kit containing:

- 1 Straight adaptor 15mm x 1/2" BSP
- 1 Blanking Plug - large
- 1 Elbow 15mm
- 1 Assembled Porting Block
- 3 Porting Block Small Blanking Plugs
- 4 Screw 4.8x45mm and washers
- 2 Grab Taps
- 1 Blue nylon adaptor
- 1 Black Tube 100mm



4000  
operating  
hours

### Kit also includes:

- Weekly Check Sheet
- Instruction Manual
- Installation & Positioning

### technical specifications

height / length / width  
(mm)

654 / 345 / 282

height / length / width  
(inch)

25.7 / 13.6 / 11.1

shipping weight  
(kg)

3.6

shipping weight  
(lbs)

5

max capacity  
(cfm / m³/min)

360 / 10.2



# SEPURA™ SEPARATORS

## SEP 900 ST

- 1 White Felt Bag Filter with black tube
- 1 Silexa Filter
- 1 Test Bottle
- 1 Cleaner Tower (120,360 or 900)
- 1 Drilled Lid
- 2 Metal Retaining Springs 400mm

### Service interval kit comprising:

- moulded plastic mount + screw
- printed card
- self-adhesive Timestrip.

### Fitting kit containing:

- 1 Straight adaptor 15mm x 1/2" BSP
- 1 Blanking Plug - large
- 1 Elbow 15mm
- 1 Assembled Porting Block
- 3 Porting Block Small Blanking Plugs
- 4 Screw 4.8x45mm and washers
- 2 Grab Taps
- 1 Blue nylon adaptor
- 1 Black Tube 180mm



**4000**  
operating  
hours

**DIBt**  
APPROVED  
Z-83.5-57

### Kit also includes:

- Weekly Check Sheet
- Instruction Manual
- Installation & Positioning

### technical specifications

height / length / width  
(mm)

989 / 432 / 495

height / length / width  
(inch)

38.9 / 17 / 19.5

shipping weight  
(kg)

14.8

shipping weight  
(lbs)

33

max capacity  
(cfm / m³/min)

900 / 25.5

## SEP 1250 ST

- 1 White Felt Bag Filter with black tube
- 1 Silexa Filter (Bag 1)
- 1 White Filter (Bag 2)
- 1 Test Bottle
- 2 Metal Retaining Springs (460mm)
- 1 Cleaner Tower
- 1 Drilled Lid

### Service interval kit comprising:

- moulded plastic mount + screw
- printed card
- self-adhesive Timestrip.

### Fitting kit containing:

- 1 Straight adaptor 15mm x 1/2" BSP
- 1 Blanking Plug - large
- 1 Elbow 15mm
- 1 Assembled Porting Block
- 3 Porting Block Small Blanking Plugs
- 4 Screw 4.8x45mm and washers
- 2 Grab Taps
- 1 Blue nylon adaptor
- 1 Black Tube 200mm



**4000**  
operating  
hours

**DIBt**  
APPROVED  
Z-83.5-57

### Kit also includes:

- Weekly Check Sheet
- Instruction Manual
- Installation & Positioning

### technical specifications

height / length / width  
(mm)

1015 / 485 / 495

height / length / width  
(inch)

40 / 19.1 / 19.5

shipping weight  
(kg)

20

shipping weight  
(lbs)

44

max capacity  
(cfm / m³/min)

1250 / 35.4

# SEPURA™ SEPARATORS

## SEP 1800 ST

- 2 White Felt Filter with black tube
- 2 Silexa Filters
- 1 Connecting Yoke (Large blue figure 8)
- 1 Test Bottle
- 4 Metal Retaining Springs (400mm)
- 2 900 ST Towers
- 2 Lids (only one drilled)

### Service interval kit comprising:

- moulded plastic mount + screw
- printed card
- self-adhesive Timestrip.

### Fitting kit containing:

- 2 Straight adaptor 15mm x 1/2" BSP
- 2 Blanking Plugs - large
- 4 Elbow 15mm
- 1 Assembled Porting Block
- 6 Porting Block Small Blanking Plugs
- 4 All-Thread Screws (M5 x 87mm)
- 8 Sleeve Nut Ends (M5 x 9 x 20mm)
- 3 Stem Adaptors
- 2 Reducing Bush
- 1 T-Piece
- 2 Grab Taps
- 2 Black Tube 180mm x 15mm Dia.
- 2 Blue Tube 225mm x 15mm Dia.



**4000**  
operating  
hours



### Kit also includes:

- Weekly Check Sheet
- Instruction Manual
- Installation & Positioning

### technical specifications

height / length / width  
(mm)

989 / 990 / 520

height / length / width  
(inch)

38.9 / 19.1 / 19.5

shipping weight  
(kg)

31.3

shipping weight  
(lbs)

69

max capacity  
(cfm / m³/min)

1800 / 51

## SEP 2500ST

- 2 White Felt Filter with black tube
- 4 Silexa Filters
- 1 Connecting Yoke (Large blue figure 8)
- 1 Test Bottle
- 4 Metal Retaining Springs (460mm)
- 2 1250 ST Towers
- 2 Lids (only one drilled)

### Service interval kit comprising:

- moulded plastic mount + screw
- printed card
- self-adhesive Timestrip.

### Fitting kit containing:

- 2 Straight adaptor 15mm x 1/2" BSP
- 2 Blanking Plugs - large
- 4 Elbow 15mm
- 1 Assembled Porting Block
- 6 Porting Block Small Blanking Plugs
- 4 All-Thread Screws (M5 x 102mm)
- 8 Sleeve Nut Ends (M5 x 9 x 20mm)
- 3 Stem Adaptors
- 2 Reducing Bush
- 1 T-Piece
- 2 Grab Taps
- 2 Black Tube 200mm x 15mm Dia.
- 2 Blue Tube 265mm x 15mm Dia.



**4000**  
operating  
hours



### Kit also includes:

- Weekly Check Sheet
- Instruction Manual
- Installation & Positioning

### technical specifications

height / length / width  
(mm)

1015 / 1098 / 550

height / length / width  
(inch)

40 / 43.2 / 21.7

shipping weight  
(kg)

43.5

shipping weight  
(lbs)

96

max capacity  
(cfm / m³/min)

2500 / 70.8

# SEPURA™ SEPARATORS

## SEP 3500 & 7000 ST

- 1 Unit / Filter
- 1 Diffuser
- 1 Outlet Pipe
- 1 White Sealing Ring
- 1 Test Kit / Bottle
- 2 Grab trap

### Service interval kit comprising:

- 1 moulded plastic mount + screw
- 2 printed card
- 2 self-adhesive Timestrip.

### Kit also includes:

- Weekly Check Sheet
- Instruction Manual



**4000**  
operating  
hours

technical specifications	height / length / width (mm)	height / length / width (inch)	shipping weight (kg)	shipping weight (lbs)	max capacity (cfm / m³min)
<b>3500 ST</b>	1350 / 1270 / 800	53 / 50 / 31.5	155	342	3500 / 99
<b>7000 ST</b>	1520 / 1270 / 1000	60 / 50 / 39	232	512	7000 / 198

## 3500 & 7000 SSK

### service kits

- 1 Unit / Filter
- 1 Outlet Pipe
- 1 White Sealing Ring
- 1 Test Kit / Bottle
- 1 Grab trap

### Service interval kit comprising:

- moulded plastic mount + screw
- printed card
- self-adhesive Timestrip.

### Kit also includes:

- Weekly Check Sheet
- Instruction Manual



technical specifications	height / length / width (mm)	height / length / width (inch)	shipping weight (kg)	shipping weight (lbs)	max capacity (cfm / m³min)
<b>3500 ST</b>	1000 / 1270 / 800	39.4 / 50 / 31.5	145	320	3500 / 99
<b>7000 ST</b>	1070 / 1270 / 1000	42.1 / 50 / 39	223	492	7000 / 198



# CARBON SEPARATORS (D-range)

## SEP 120 / 360 / 900 / 1250 D

### Parts Common to all units

- 1 White Felt Bag Filter with black tube
- 1 Carbon Filter (x2 for 1250D)
- 1 Test Bottle
- 1 Cleaner Tower (120, 360, 900 or 1250)
- 1 Drilled Lid

### Service interval kit comprising:

- moulded plastic mount + screw
- printed card
- self-adhesive Timestrip.

### Fitting kit containing:

- 1 Straight adaptor 15mm x 1/2" BSP
- 1 Blanking Plug - large
- 1 Elbow 15mm
- 1 Assembled Porting Block
- 3 Porting Block Small Blanking Plugs
- 4 Screw 4.8x45mm and washers
- 2 Grab Taps
- 1 Blue nylon adaptor
- 1 Black Tube \*



**2000**  
operating  
hours

### Kit also includes:

- Weekly Check Sheet
- Instruction Manual
- Installation & Positioning

technical specifications	height / length / width (mm)	height / length / width (inch)	shipping weight (kg)	shipping weight (lbs)	max capacity (cfm / m³min)
<b>120 D</b>	500 / 215 / 257	19.7 / 18.5 / 10.1	3.5	7.7	120 / 3.4
<b>360 D</b>	654 / 345 / 282	25.7 / 13.6 / 11.1	5	11	360 / 10.2
<b>900 D</b>	989 / 432 / 495	38.9 / 17 / 19.5	20	44	900 / 25.5
<b>1250 D</b>	1015 / 485 / 495	40 / 19.1 / 19.5	35	77	1250 / 35.4

## D-range SERVICE KITS

### SEP 120 D



### SEP 360 D



### SEP 900 D



### SEP 1250 D



# SILEXA™ SERVICE KITS

## 120 SSK

### for use with SEP 120 ST

- 1 White Felt Bag Filter with black tube
- 1 Silexa Filter
- 1 Metal Retaining Spring 170mm
- 2 Used Filter Disposal Bags
- 2 Cable Ties for Waste Bags

#### Service interval kit comprising:

- printed card
- self-adhesive Timestrip.

technical  
specifications

shipping weight  
(kg)  
1.5

shipping weight  
(lbs)  
3.3



## 360 SSK

### for use with SEP 360 ST

- 1 White Felt Bag Filter with black tube
- 1 Silexa Filter
- 1 Metal Retaining Springs 250mm
- 2 Used Filter Disposal Bags
- 2 Cable Ties for Waste Bags

#### Service interval kit comprising:

- printed card
- self-adhesive Timestrip.

technical  
specifications

shipping weight  
(kg)  
2.4

shipping weight  
(lbs)  
5.29



## 900 SSK

### for use with SEP 900 ST

- 1 White Felt Bag Filter with black tube
- 1 Silexa Filter
- 2 Metal Retaining Springs 400mm
- 2 Used Filter Disposal Bags
- 2 Cable Ties for Waste Bags

#### Service interval kit comprising:

- printed card
- self-adhesive Timestrip.

technical  
specifications

shipping weight  
(kg)  
9

shipping weight  
(lbs)  
19.84





# SILEXA™ SERVICE KITS

## 1250 SSK

for use with SEP 1250 ST

- 1 White Felt Bag Filter with black tube
- 1 Silexa Filter (Bag 1)
- 1 White Filter (Bag 2)
- 2 Metal Retaining Spring 460mm
- 3 Used Filter Disposal Bags
- 3 Cable Ties for Waste Bags

**Service interval kit comprising:**

- printed card
- self-adhesive Timestrip.

technical  
specifications

shipping weight  
(kg)

13.5

shipping weight  
(lbs)

29.26



## 1800 SSK

for use with SEP 1800 ST

- 2 White Felt Bag Filter with black tube
- 2 Silexa Filter
- 4 Metal Retaining Springs 400mm
- 4 Used Filter Disposal Bags
- 4 Cable Ties for Waste Bags

**Service interval kit comprising:**

- printed card
- self-adhesive Timestrip.

technical  
specifications

shipping weight  
(kg)

18

shipping weight  
(lbs)

39.68



## 2500 SSK

for use with SEP 2500 ST

- 2 White Felt Bag Filter with black tube
- 2 Silexa Filter (Bag 1)
- 2 White Filter (Bag 2)
- 4 Metal Retaining Spring 460mm
- 6 Used Filter Disposal Bags
- 6 Cable Ties for Waste Bags

**Service interval kit comprising:**

- printed card
- self-adhesive Timestrip.

technical  
specifications

shipping weight  
(kg)

27

shipping weight  
(lbs)

59.52



# INSTALLATION & POSITIONING

## Installation notes for SEPURA™ oil-water separators

### For compressed air systems up to 16bar

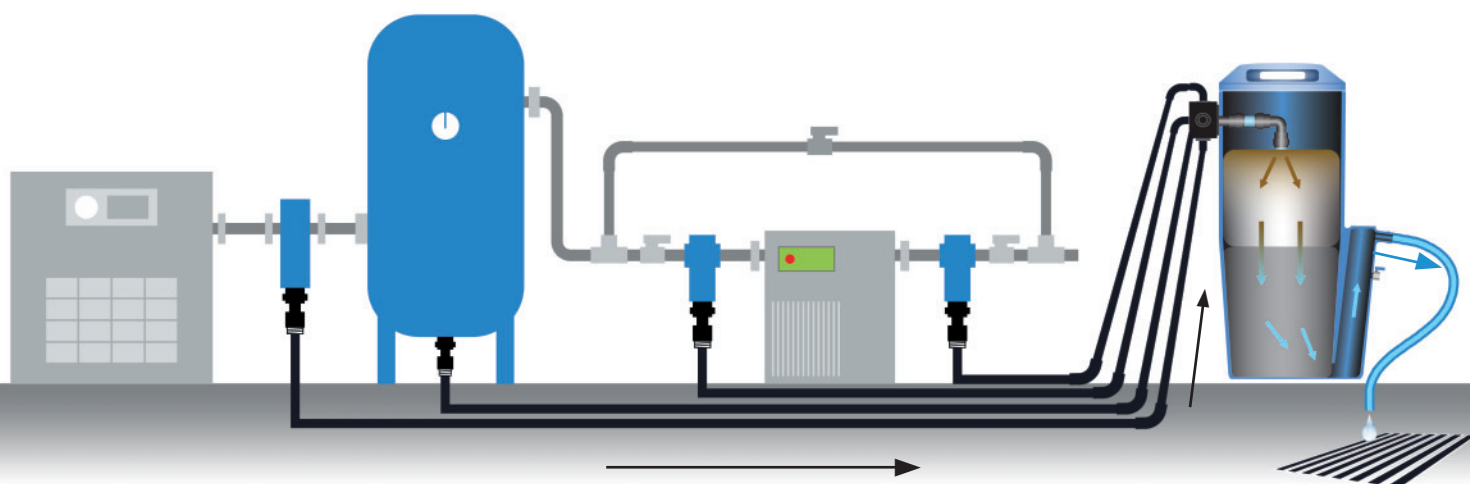
Install unit on a firm level floor, frost free and out of direct sunlight.

Either connect all condensate drains to a single header pipe that drains to the separator - or connect individually (as shown) to the connector block on the SEPURA™ unit depending upon your specific site layout.

Route the outlet to a foul drain (sewer), making sure there is good 'fall', unrestricted flow and no possibility of syphoning.\*

**DO NOT** add waste oil etc. to the separator - it is not designed for this purpose.

Replace the service kit (filter set) at least annually or more often if recommended by your supplier.



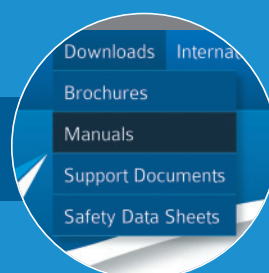
For illustration purposes only.  
Not to scale or representative of particular products or brands.

\* **RECOMMENDED** to route to a foul drain.  
It is the user's responsibility to ensure the legality of discharges in their area, and to ensure regular (weekly) checks on the separators's performance.

A set of individual **instruction manuals** for all of our products is available on our website.

**[www.sepura-technologies.com](http://www.sepura-technologies.com)**

Simply click on the download link at the top of the page and select **Manuals**.



Alternatively simply scan this code with your mobile device.



# ACCESSORIES

## Multi-port Kit

for use with  
SEP 120 / 360 / 900 & 1250

### Kit contains:

- 1 Straight Adaptor 15mm x 1/2" BSP
- 1 T - Piece
- 1 Assembled Porting Block
- 3 Porting Block Small Blanking Plugs
- 4 Screw 4.8x45mm and Washers
- 1 Black Tube\*

\*size to suit your existing cleaner tower.  
Please state when ordering

## Double your inlets



technical  
specifications

shipping weight  
(kg)  
0.2

shipping weight  
(lbs)  
0.44

The Multi-port kit allows you to increase the amount of inlet ports into your SEP Unit.

### Benefits:

- Space saving - no need for multiple units
- Connect multiple devices to one SEP unit
- Easy to install in situ



Turn this...



into this



**NOTE:** The amount of available inlet ports will depend on the siting of the SEP unit.

\*Maximum of 8 inlet ports is based on the unit being free standing and both port blocks being accessible.

**Multi-port kit CANNOT be used in conjunction with Wall Mounted Units using the SEPURA™ WMB**

## Wall Mounting Bracket

for use with  
SEP 120 & 360

### 120 WMB includes:

- 1 Wall Bracket - 440 x 110mm (17.3"x 4.33")
- 1 Easy Hook Fitting
- 1 Tamper Proof Secure Fix Fitting
- 1 Foam Ring
- 1 Instructions

### 360 WMB includes:

- 1 Wall Bracket - 540 x 120mm (21.3"x 4.72")
- 1 Easy Hook Fitting
- 1 Tamper Proof Secure Fix Fitting
- 1 Foam Ring
- 1 Instructions

### technical specifications

shipping weight  
(kg)

shipping weight  
(lbs)

120

0.7

1.59

360

1.2

2.64

Useful Wall Mounting Brackets that allow smaller units to be raised off the floor for convenience.

### Benefits of wall mounted units:

- Free up valuable floor space
- Less chance of damage from machinery
- Easier height to take test samples from
- Tidier workspace

The SEPURA™ WMB comes in two sizes to fit our SEP 120 and SEP 360 units. It can be ordered in Powder Coated blue finish to match the unit or Stainless Steel.



**NOTE:** SEPURA™ do not supply fixings for the WMB with each kit. It is your responsibility to use appropriate fixings for the surface that you wish to attach it to. SEPURA™ will not be responsible for any accidental or performance issues arising from fixing of the WMB unit.



# ACCESSORIES

## Test Kit

### use with all SEP products

- 1 Clear Glass Bottle
- 1 Lid and indicator strip
- 1 Instructions

Use to test the outlet cloudiness does not exceed the ppm limit for your region.

Test outlet quality weekly.



technical  
specifications

shipping weight (kg)
0.1

shipping weight (lbs)
0.22

## Yoke Conversion Kit

### use with SEP 900 / 1250 ST

- 1 Yoke
- 2 Elbows - 15mm
- 3 Steam Adaptors
- 2 Reducing Bush
- 1 T - Piece
- 1 Assembled Porting Block
- 6 Porting Block Small Blanking Plug
- 4 All Allthread
- 8 Sleeve Nut Ends
- 2 Blue Tube
- 1 Instructions



technical  
specifications

shipping weight (kg)
3
3.7

shipping weight (lbs)
6.6
8.15

900

3

6.6

1250

3.7

8.15

Use to convert:

- 2 x SEP 900 ST into a SEP 1800 ST
- 2 x SEP 1250 ST into a SEP 2500 ST.

## Fixing Kit

### for use with all SEP towers

- 1 Straight adaptor 15mm x 1/2" BSP
- 1 Blanking Plug - large
- 1 Elbow 15mm
- 1 Assembled Porting Block
- 3 Porting Block Small Blanking Plugs
- 4 Screw 4.8x45mm and washers
- 2 Grab Taps
- 1 Blue nylon adaptor
- 1 Black Tube (Subject to separator)



technical  
specifications

shipping weight (kg)
0.4

shipping weight (lbs)
0.88



**SEPURA™ ST** oil/water separator specifications assume well maintained compressor plant and reasonable operating conditions. Performance on mineral or mineral-based lubricants should be as above, irrespective of compressor type, condensate drain technology or climate, provided the condensate produced is not a stable emulsion.

Where stable or difficult emulsions are encountered, choose the **SEPURA™ 'D'** separator with its special digester service kits designed for the task. **Polyalkylene glycol (PAG)** coolants/lubricants present a different challenge as they are based on water-soluble components. Free (non-dissolved) components will be removed by SEPURA™ ST or D separators leaving a 'clear' outlet fluid, but we advise that the separator should be down-rated to 50% of normal capacity to allow more time for adsorption to take place.

**IMPORTANT NOTE:** SEPURA™ uses its proprietary filter medium **SILEXA™** in genuine SSK service kits. Ordinary carbon bags would reduce the separators' capacity by at least 20% and their service life by 50%. Our digester kits are carbon-based but specially treated to handle emulsified condensate. Untreated carbon will inevitably fail in such applications.

All information is correct at time of publication. Sepura™ reserve the right to change product specification where necessary without notice.

 **MADE IN BRITAIN**



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