



nanoo

SEPURA™ STERLING oil water separators

flow capacity: 60 to 7000 scfm (102 to 11900 Nm³/hr)

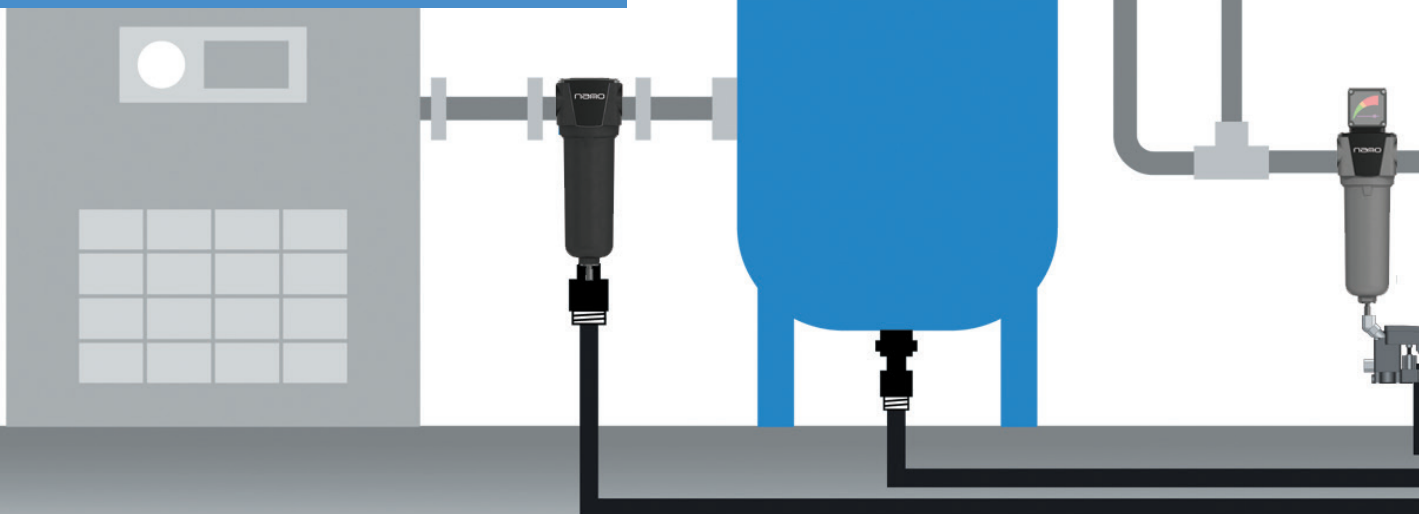
“The Sepura™ condensate separator and has worked perfectly. A top design which hasn't missed

a nano distributor - southeastern US

A typical compressed air and gas system can produce thousands of gallons of condensate per year. This condensate may be as much as 99.9% pure water - so why pay thousands of dollars per year to dispose of water when you can clean it simply and effectively and pour it down the drain? The nano Sepura™ range of oil water separators removes the oil from the water in your condensate so you can dispose of it cleanly and safely directly into your sanitary sewer, drastically reducing your condensate disposal costs.

STERLING technology

Our patented filtration media made from recycled glass bottles and organic fibers is fully sustainable and 20% more absorbent than traditional carbon based products.

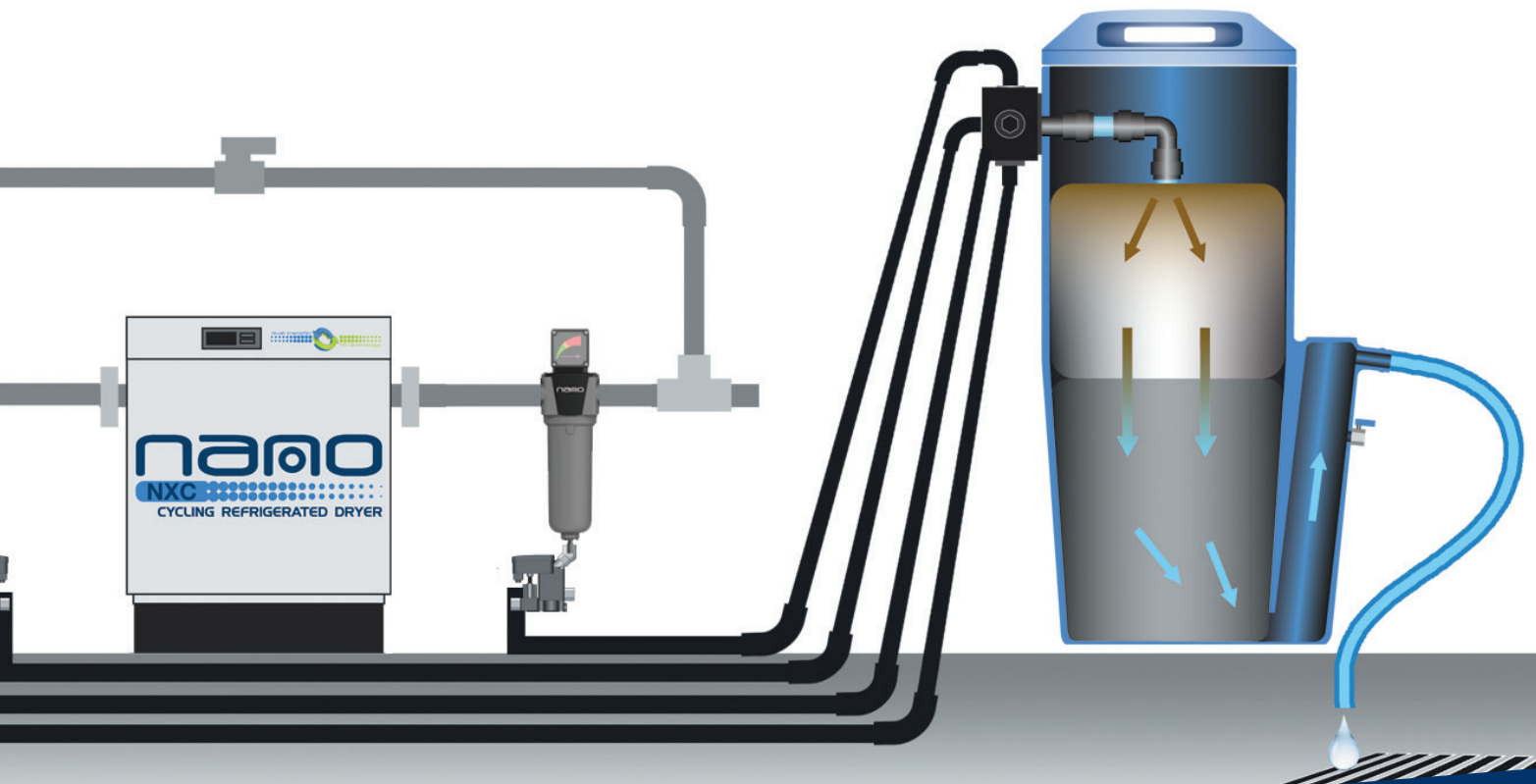


separator was easy to install
truly simple yet highly efficient
a beat.”

nano S¹ Sepura™ STERLING oil water separators



- comprehensive range of low, mid and high capacity separators
- innovative, cost-effective treatment of air compressor condensate
- revolutionary patented STERLING filtration media
- outlet quality discharge down to 5 ppmv



BENEFITS

complete range to suit any requirement

- 9 models available with flow rates from 60 to 7000 scfm

guaranteed performance

- long media life and outlet concentrations as low as 5 ppmv even with synthetic compressor lubricants*

easy to size

- size your unit according to your air flow



easy to maintain

- service intervals from 6 months to up to 24 months with a no-tools needed, quick release lid for easy access. No settling tank to empty and clean, no pre-soaking of media. Media removal in less than 15 minutes with no oil collection container to dump and clean

easy to install

- turn-key, small footprint package with no-pre soaking of media

robust construction

- rugged one-piece molded unit is free standing, tolerant of uneven floors, virtually leakproof and economical

environmentally friendly

- STERLING media is made from 100% recycled materials using environmentally sustainable manufacturing techniques plus separating your condensate is good for the environment

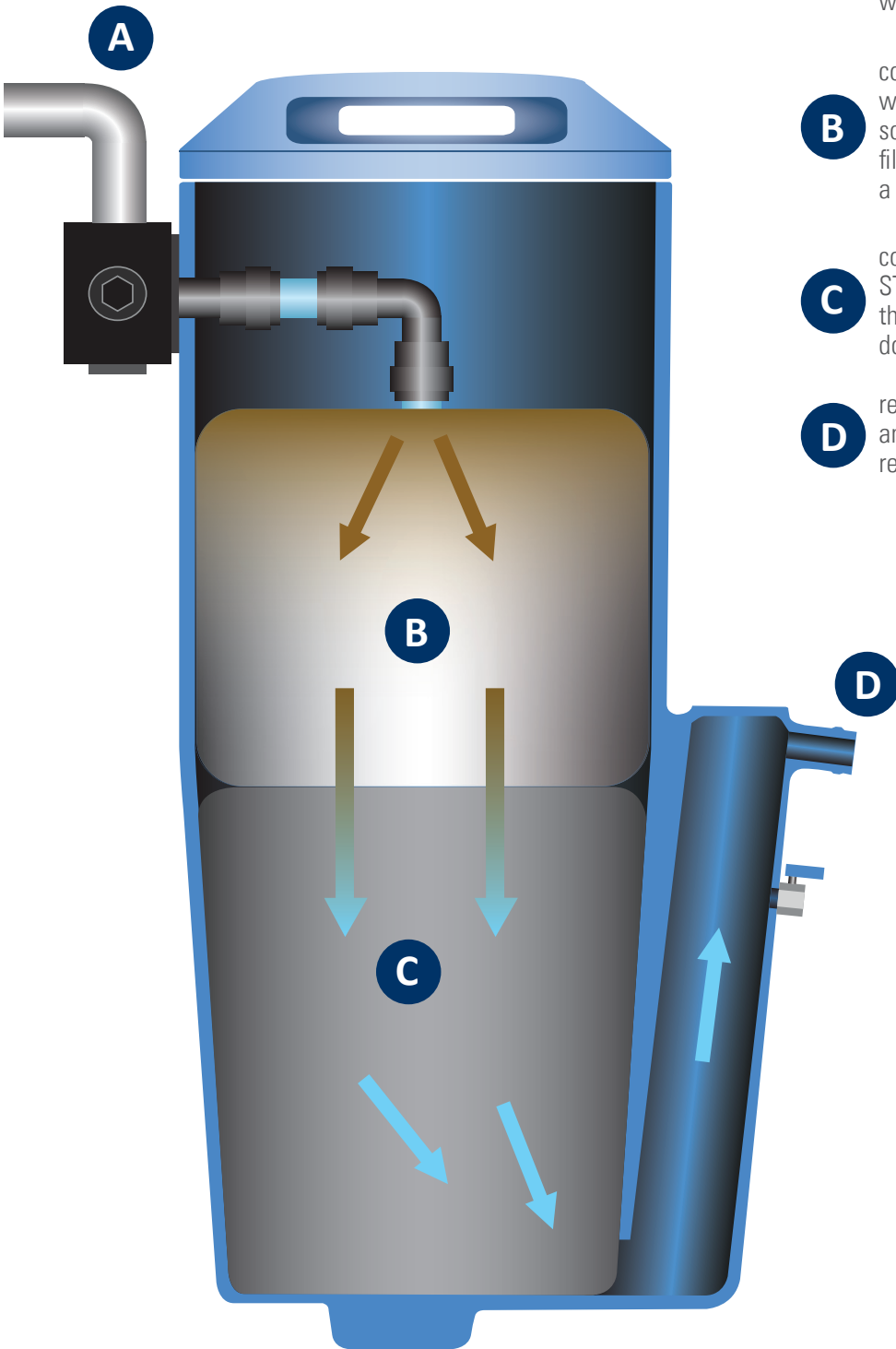
warranty

- peace of mind - models SEP 120 ST through SEP 2500 ST come standard with a 10 year warranty (conditions apply)



HOW IT WORKS

The nano Sepura™ range of oil water separators use a technologically advanced proprietary filtration media to separate oil from water in the condensate discharged from compressed air systems. This non-carbon based and 100% recycled media actively absorbs oil while repelling water resulting in clean condensate that can be disposed of cleanly and inexpensively.



A condensate from compressors, refrigerated dryers, coolers, filters or any other drain points are piped directly to the Sepura™ oil water separator

B condensate passes through the primary filter which depressurizes the condensate, traps solid particles protecting the secondary filter and catches bulk hydrocarbons within a high capacity oil absorbent

C condensate passes through a deep bed of STERLING filtration media which absorbs the oil providing outlet oil concentrations down to 5 ppmv or less

D remaining water can be disposed of safely and in compliance with environmental regulations



**model SEP 60 ST
disposable separator**

FEATURES

patented STERLING media

- advanced STERLING filtration media attracts oil and repels water while providing long media life
- polishes condensate to outlet concentrations as low as 5 ppmv even with synthetic compressor lubricants*
- all without the size, weight and mess of a settling tank, bags of activated carbon or external oil collection container

service life indicator

- activated in seconds by the installing service engineer
- gives a time based visual indication of the service interval, up to one full year
- fresh indicator set is provided with each new service kit ensuring the feature is available for retrofit to older installed SEPURA™ or other makes of separators

multi-port kit

- optional kit allows for increase of number of inlet ports on your SEPURA™ unit
- space saving benefit diminishes the need for multiple units by connecting multiple devices to one single oil water separator

wall mounting brackets

- optional for models SEP 120 ST & SEP 360 ST
- allows for smaller units to be raised off the ground to free up valuable floor space and less chance of damage to unit
- an easier height to take test samples and a tidier workspace

test point

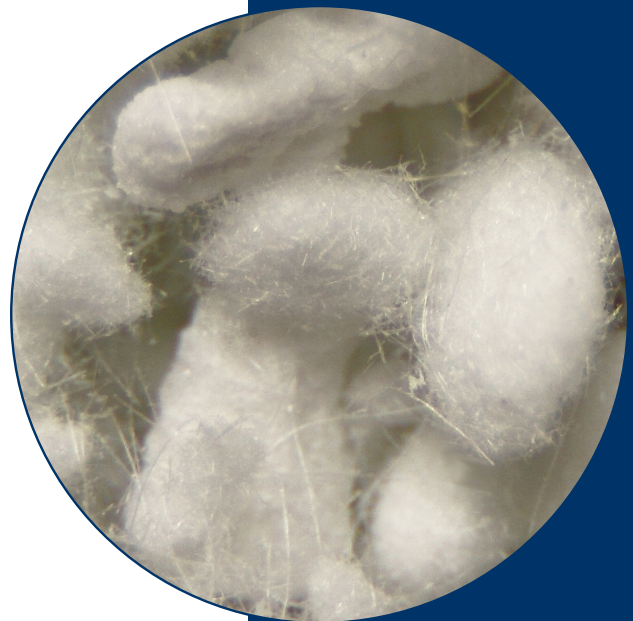
- simple test kit is supplied as standard
- for quick outlet cloudiness test to ensure ppm limit for your region is being met

DIBt approval

- approved by the DIBt (German Institute for Construction Technology)
- meets or exceeds the most rigorous clean water standards by a world renowned global organization

alternative media kits

- stop wasting time and money on replacement carbon bags
- purchase nano STERLING media replacement kits to fit virtually all brands of oil water separators



SPECIFICATIONS

| separator model | inlet | outlet | flow (scfm) ⁽²⁾ | | dimensions (inches) | | | approx. weight | wall mounting bracket | replacement media kit |
|-----------------|------------------------|------------------------|----------------------------|--------------------|---------------------|------|------|----------------|-----------------------|-----------------------|
| | NPT/PTC | NPT/PTC | scfm | Nm ³ /h | A | B | C | (lbs) | part no | part no |
| SEP 60 ST | ¼" (x1) ⁽¹⁾ | ⅜" (x1) ⁽¹⁾ | 60 | 102 | 9.4 | 5.5 | 5.5 | 2.9 | included | SEP 60 ST |
| SEP 120 ST | ½" (x4) | ¾" (x1) | 120 | 204 | 19.7 | 8.5 | 10.1 | 6.0 | 120 WMK | SEP 120 MRK |
| SEP 360 ST | ½" (x4) | ¾" (x1) | 360 | 612 | 25.8 | 13.6 | 11.1 | 7.9 | 360 WMK | SEP 360 MRK |
| SEP 900 ST | ½" (x4) | ¾" (x1) | 900 | 1529 | 38.9 | 17.0 | 19.5 | 32.6 | - | SEP 900 MRK |
| SEP 1250 ST | ½" (x4) | ¾" (x1) | 1250 | 2124 | 40.0 | 19.7 | 20.4 | 45.0 | - | SEP 1250 MRK |
| SEP 1800 ST | ½" (x8) | ¾" (x1) | 1800 | 3058 | 38.9 | 38.9 | 20.5 | 69.0 | - | SEP 1800 MRK |
| SEP 2500 ST | ½" (x8) | ¾" (x1) | 2500 | 4248 | 40.0 | 44.0 | 27.9 | 95.0 | - | SEP 2500 MRK |
| SEP 3500 ST | ¾" (x2) | ¾" (x1) | 3500 | 5947 | 53.0 | 50.0 | 31.5 | 319.0 | - | SEP 3500 MRK |
| SEP 7000 ST | ¾" (x2) | ¾" (x1) | 7000 | 11893 | 60.0 | 50.0 | 39.0 | 467.0 | - | SEP 7000 MRK |

| specifications | SEP 60 ST | SEP 120 ST to SEP 2500 ST | SEP 3500 ST | SEP 7000 ST |
|------------------------------------|--|---------------------------|---|--|
| expected media life ⁽³⁾ | 8000 hours @ 30 cfm 4000 hours @ 60 cfm | 4000 hours | 16000 hours @ 3500 cfm 8000 hours @ 5000 cfm | 16000 hours @ 7000 cfm 8000 hours @ 10000 cfm |
| maximum oil carry over | < 20 ppm | < 20 ppm | < 20 ppm | < 20 ppm |
| warranty | 1 year | 10 years | 2 years | 2 years |
| max condensate inlet pressure | 232 psig | 232 psig | 232 psig | 232 psig |
| inlet condensate temperature range | 35 to 110°F | 35 to 110°F | 35 to 110°F | 35 to 110°F |

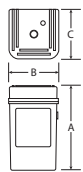
(1) inlet and outlet connections on the SEP 60 ST are (PTC) push to connect. All other models are threaded

(2) sizing assumes an oil flooded compressor using mineral or synthetic lubricant with a maximum oil carry-over of 5 mg/m³ or less

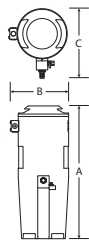
(3) media life decreases with increased condensate flow. For media life estimates at other flow rates contact support@n-psi.com

(4) *for use with PAG compressor lubricants contact nano technical support at support@n-psi.com

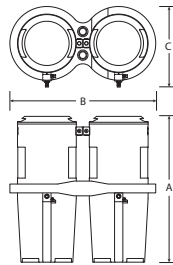
(5) technical specifications subject to change without notice. Direct inquiries to support@n-psi.com or contact 704.897.2182



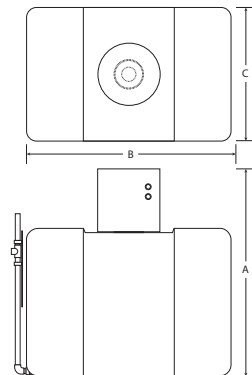
SEP 60 ST



SEP 120 to 1250 ST



SEP 1800 & 2500 ST



SEP 3500 & 7000 ST



the disposable SEP 60 ST:
perfect for small applications



SEP 120 to 1250 ST:
simply clean condensate



SEP 1800 & 2500 ST:
innovative & cost effective



SEP 3500 & 7000 ST:
built for high condensate flow

EXPERIENCE. CUSTOMER. SERVICE.

Leading edge technology and hundreds of years of *experience*...nano-purification solutions, your world-class manufacturer of state-of-the-art compressed air and gas solutions to industry.

Our commitment at nano is to work alongside our *customers* and provide unique solutions with the highest quality products to solve your specific challenges.

A wealth of experience and leading edge products are only part of the equation. nano recognize that world-class customer *service* is the most important component to any successful business.

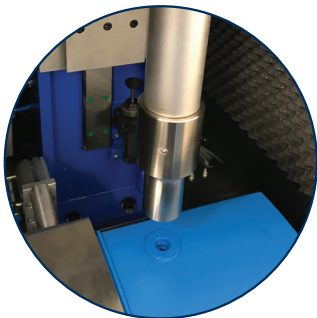


DESIGN

Our experienced team of design engineers are always looking for new and unique technologies and products to bring you the highest level of performance and lowest overall operating cost.

RESEARCH & DEVELOPMENT

Our R&D team endeavor to provide solutions that go beyond developing an existing product. They are continually researching new technologies which can provide unique advantages over competitive offerings.



MANUFACTURE

The reliable and energy saving nano S' SEPURA™ range of oil water separators are manufactured in our state-of-the-art facility to the highest standards of build quality to ensure equipment reliability and high levels of performance.

ENVIRONMENTALLY FRIENDLY

Through both product development and manufacturing, we strive to produce high quality products compliant to both local and global environmental legislation. Reduction of carbon footprint through energy saving products and use of environmentally friendly components are our commitment to you.



nano-purification solutions
charlotte, north carolina
united states

nano-purification solutions
new bethlehem, pennsylvania
united states

nano-purification solutions
st. catharines, ontario
canada

nano-purification solutions
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