



namao

SEPURA™ STERLING oil water separators

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

“The Sepura™ condensate separator was easy to install and has worked perfectly. A truly simple yet highly efficient design which hasn't missed a beat.”

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.

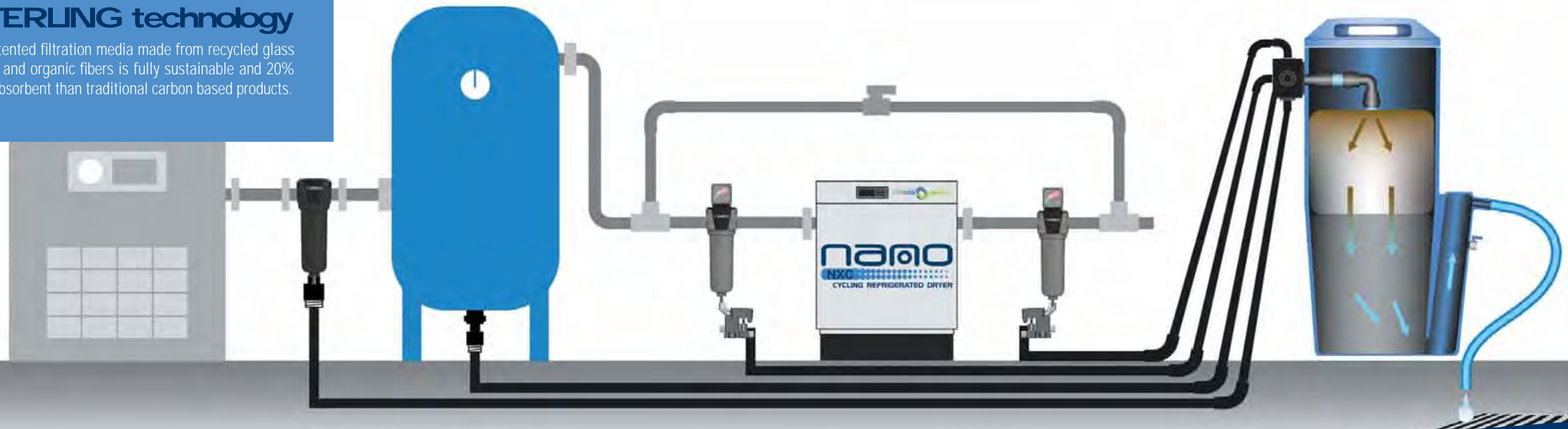
nano S¹ Sepura™ STERLING
oil water separators



- 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

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.



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

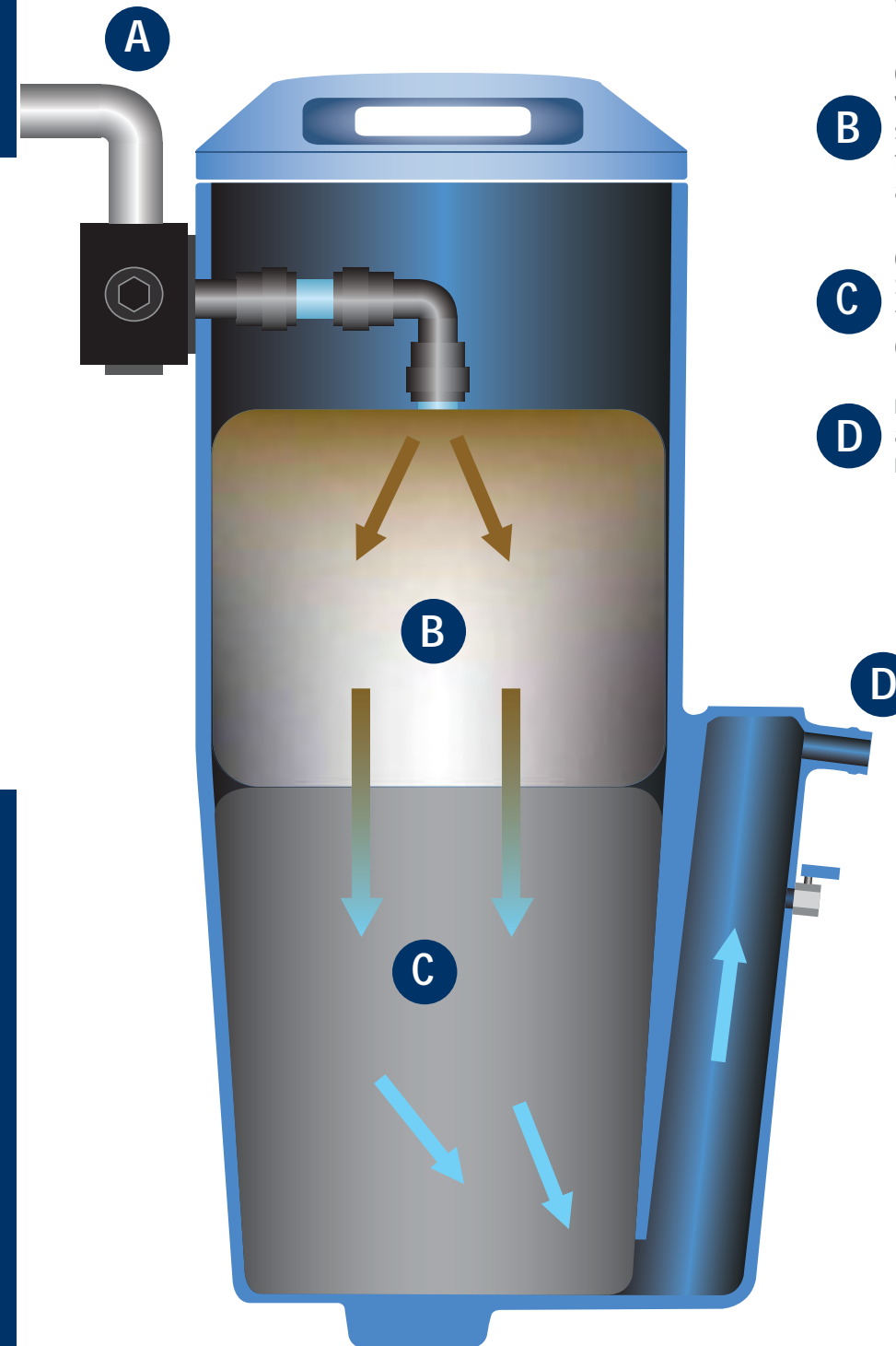
warranty

- 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

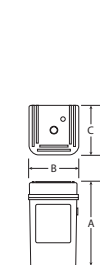


SPECIFICATIONS

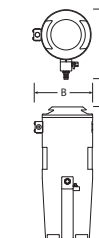
separator model	inlet		outlet		flow (scfm) ⁽²⁾		dimensions (inches)			approx. weight (lbs)	wall mounting bracket part no	replacement media kit part no
	NPT/PTC	NPT/PTC	NPT/PTC	NPT/PTC	scfm	Nm ³ /h	A	B	C			
SEP 60 ST	¼" (x1) ⁽¹⁾	¾" (x1) ⁽¹⁾	¼"	¾"	60	102	9.4	5.5	5.5	2.9	included	SEP 60 ST
SEP 120 ST	½" (x4)	¾" (x1)	½"	¾"	120	204	19.7	8.5	10.1	6.0	120 WMK	SEP 120 MRK
SEP 360 ST	½" (x4)	¾" (x1)	½"	¾"	360	612	25.8	13.6	11.1	7.9	360 WMK	SEP 360 MRK
SEP 900 ST	½" (x4)	¾" (x1)	½"	¾"	900	1529	38.9	17.0	19.5	32.6	-	SEP 900 MRK
SEP 1250 ST	½" (x4)	¾" (x1)	½"	¾"	1250	2124	38.9	19.1	19.5	45.0	-	SEP 1250 MRK
SEP 1800 ST	½" (x8)	¾" (x1)	½"	¾"	1800	3058	38.9	38.9	20.5	69.0	-	SEP 1800 MRK
SEP 2500 ST	½" (x8)	¾" (x1)	½"	¾"	2500	4248	38.9	43.2	21.5	95.0	-	SEP 2500 MRK
SEP 3500 ST	¾" (x2)	¾" (x1)	¾"	¾"	3500	5947	39.4	39.4	27.6	319.0	-	SEP 3500 MRK
SEP 7000 ST	¾" (x2)	¾" (x1)	¾"	¾"	7000	11893	39.4	43.3	43.3	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

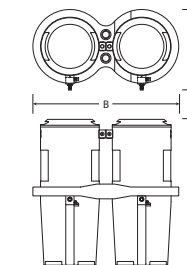
(1) inlet and outlet connections on the SEP 60 ST are (PTC) push to connect. All other models are threaded
 (2) sizing assumes an oil flooded compressor using mineral or synthetic lubricant with a maximum oil carry-over of 5 mg/m³ or less
 (3) media life decreases with increased condensate flow. For 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



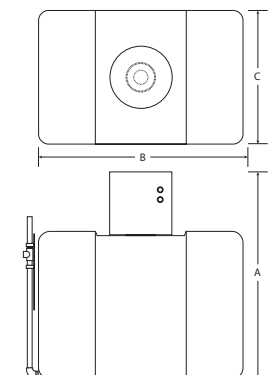
SEP 60 ST



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.

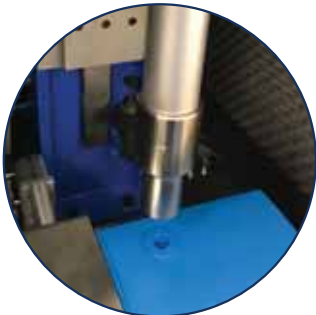
RESEARCH & DEVELOPMENT

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 S¹ 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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