



CLEARPOINT®

water separators designed for maximum efficiency



CLEARPOINT® Water Separators



Performance

CLEARPOINT separators have superior performance and retention rates, even at partial flows, as low as 30% and as high as 150%.



Energy Efficiency

The water separator insert design was engineered specifically to provide ultra-low differential pressure throughout the entire range in combination with the curved inlet.



Housing Quality

A flow optimized, anodized, extruded aluminum housing with double-threaded head guarantees filter reliability and longevity.



Connection Size

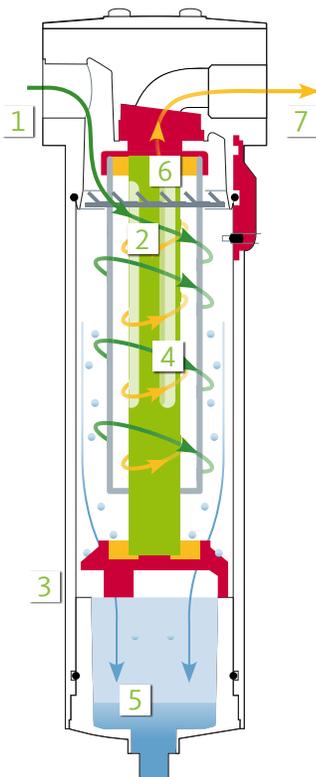
Large connection sizes to flow ratio makes it easy to fit the separator to your compressor without oversizing.



Space Savings

Easily combine CLEARPOINT separators and filters together using our modular design feature that can be installed without any additional fittings or pipe.

How it Works



1. The compressed air flows into the inlet, which has been designed to work with many different types of connections.
2. A special internal turbine insert makes the compressed air rotate with high velocity, directed outward, forcing the condensate into the separator wall where it flows downward.
3. CLEARPOINT® water separator filter housings are made of salt water resistant aluminum and, in addition, are fully anodized and their outside is powder coated, to avoid corrosion.
4. The innovative rectifier leads the separated compressed air to the outlet and keeps flow losses to a minimum.
5. A large area void prevents the entrainment of condensate. More than 60% of condensate will accumulate, and is reliably drained with either a float drain or zero air loss BEKOMAT®.
6. A rising pipe prevents particle transfer to the upward flowing, rotational compressed air stream that has already been treated.
7. The fully treated compressed air that is now free of fluids and condensate flows downstream to other inline components or the point-of-use.

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YouTube

CLEARPOINT® Water Separators

In-line water separators are typically used at after coolers and refrigeration dryers in order to remove bulk liquid that is present in the compressed air pipework as a result of condensate being formed. All compressed air systems create some level of condensate through the basic function of compression. Poor water or condensate management can result in process contamination, component failure, and high differential pressure. All of which can be very costly when compared to the cost of removal.

Compare



Threaded Line
Standard Pressure Series



Flanged Line
Standard Pressure Series



PN50 Line
High Pressure Series

Flow Rates

25 - 1,500 scfm

1,900 - 21,000 scfm

100 - 2,065 scfm

Maximum Operating Pressure

232 psig

230 psig

725 psig

Standard Pipe Connection Sizes

3/8" - 3" NPT

4" - 12" Flange

3/8" - 2" NPT

Housing Material

Anodized, powder coated aluminum

Powder coated carbon steel

Anodized, powder coated aluminum

Available Options

BEKOMAT® drain, Cover3More extended warranty

Cover3More extended warranty

BEKOMAT® drain, Drain connection kit, Cover3More extended warranty

Product Family



Threaded separators



Flanged separators

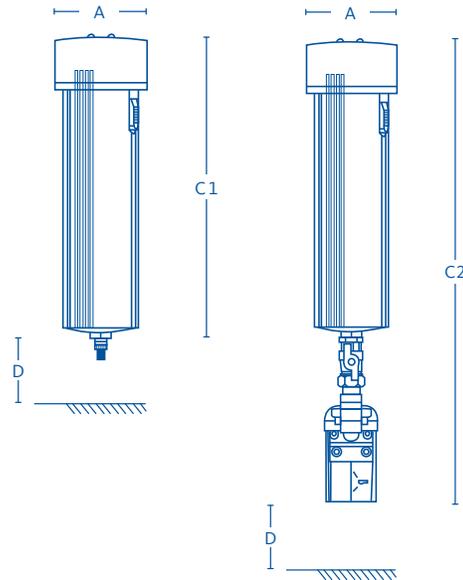


High pressure (PN) separators

CLEARPOINT® Threaded Water Separators

with float drain or BEKOMAT® and connection kit

- › Removal of large quantities of condensate
- › Used downstream of aftercoolers
- › CRN approved
- › Max. operating pressure: 232 psig
- › Max. operating temperature: 140 °F



CLEARPOINT®	S040	S045	S050	S075	S0100	M010	M015	M019	M020	M022	M025	M030
Pipe size (NPT)	3/8"	1/2"	1/2"	3/4"	1"	1"	1 1/2"	1 1/2"	2"	2 1/2"	2 1/2"	3"
Flow rate (scfm)	25	30	50	100	125	160	250	450	500	600	1000	1500
Element Size	04W	04W	05W	07W	07W	10W	15W	20W	20W	22W	25W	30W

Dimension data

A (inches)	2.95	2.95	2.95	3.94	3.94	3.94	5.75	5.75	5.75	5.75	10.24	10.24
C1 (inches)	7.09	7.09	8.27	11.02	11.02	13.78	-	-	-	-	-	-
C2 (inches)	15.55	15.55	16.73	19.49	19.49	22.24	22.83	26.89	26.89	30.71	34.88	39.76
D (inches)	5.91	5.91	5.91	5.91	5.91	5.91	6.30	6.30	6.30	6.30	7.87	7.87
Weight (lbs)	1.65	1.65	1.87	3.75	4.18	4.63	9.04	10.61	11.24	13.45	43.87	57.10

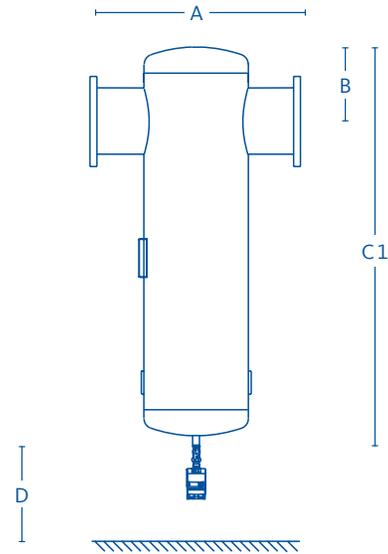
ELEMENT GRADE	ELEMENT TYPE	Δ PRESSURE (psid)	REMOVAL RATE
Grade W	Water Separator	.87	99.0%

Correction Factor

Operating Pressure (psig)	20	40	60	80	90	100	110	120	130	140	160	180	200	230
Correction Factor	.30	.48	.65	.82	.91	1.00	1.09	1.17	1.26	1.35	1.52	1.70	1.87	2.13

CLEARPOINT® Flanged Water Separators with BEKOMAT® and connection kit

- › Removal of large quantities of condensate
- › Used downstream of aftercoolers
- › BEKOMAT® drain as standard
- › Designed according to ASME Sec. VIII, Div. 1
- › UM stamp standard and CRN optional
- › Max. operating pressure: 232 psig
- › Max. operating temperature: 140 °F



CLEARPOINT®	L100	L102	L150	L156	L200	L204	L254	L304
Pipe size (ANSI)	4"	4"	6"	6"	8"	8"	10"	12"
Flow rate (scfm)	1900	2800	3800	6500	7500	9300	13000	21000

Dimension data

A (inches)	15.75	18.75	19.10	21.13	22.81	24.80	29.53	34.25
B (inches)	6.96	7.75	7.80	9.75	12.38	11.34	13.07	14.57
C1 (inches)	34.25	37.25	50.24	52.63	64.50	66.93	81.50	95.28
D (inches)	12.40	18.90	18.90	18.50	18.31	17.72	17.72	16.93
Weight (lbs)	150	230	294	350	500	562	653	741

ELEMENT GRADE	ELEMENT TYPE	DRY Δ PRESSURE (psid)	REMOVAL RATE
Grade W	Water Separator	.87	99.0%

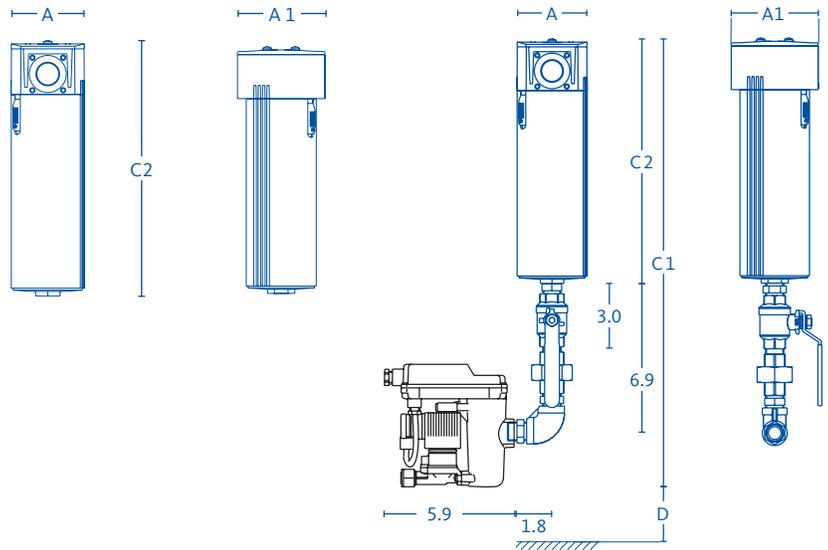
Correction Factor

Operating Pressure (psig)	20	40	60	80	90	100	110	120	130	140	160	180	200	230
Correction Factor	.30	.48	.65	.82	.91	1.00	1.09	1.17	1.26	1.35	1.52	1.70	1.87	2.13

CLEARPOINT® PN50 Threaded High Pressure Water Separators

with open port or with BEKOMAT® connection kit (drain sold separately) without pressure gauge

- › Removal of large quantities of condensate
- › Used downstream of aftercooler
- › Max. operating temperature: 140 °F
- › Max. operating pressure: 725 psig



CLEARPOINT® PN50	HP50S040	HP50S050	HP50S075	HP50M010	HP50M015	HP50M020	HP50M022
Pipe size (NPT)	3/8"	1/2"	3/4"	1"	1 1/2"	2"	2"
Flow rate (scfm)	100	190	440	600	1000	1720	2065
Element Size	04W	05W	07W	10W	15W	20W	22W
Dimension data							
A (inches)	2.95	2.95	3.95	3.95	5.75	5.75	5.75
A1 (inches)	2.36	2.36	3.15	3.15	4.72	4.72	4.72
C1 (inches)	16.50	16.50	20.50	23.20	23.80	27.80	31.70
C2 (inches)	7.10	8.30	11.00	13.80	14.40	18.40	22.25
D (inches)	7.10	7.10	7.10	7.10	7.10	7.10	7.10
Weight (lbs)	1.65	1.85	3.75	4.63	9.04	11.24	13.51

ELEMENT GRADE	ELEMENT TYPE	Δ PRESSURE (psid)	REMOVAL RATE
Grade W	Water Separator	.87	99.0%

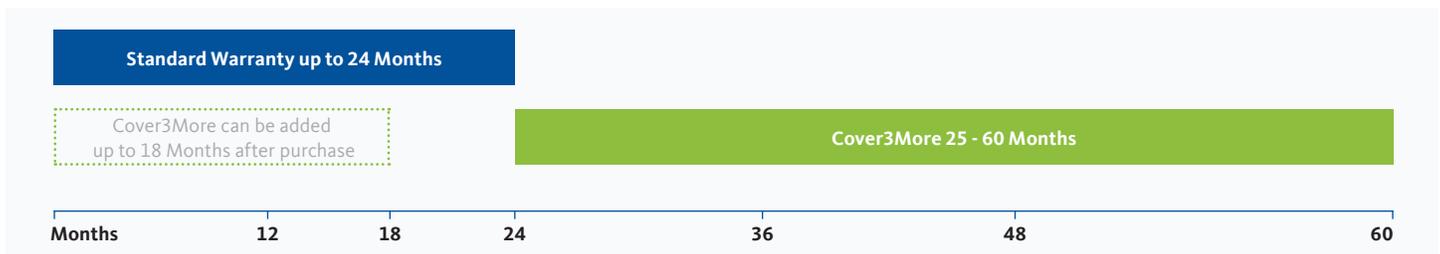
Correction Factor

Operating Pressure (psig)	60	90	100	150	200	300	450	600	725
Correction Factor	.14	.18	.24	.35	.43	.59	.73	.88	1.00

+3
Years on all
Products

ask your
**sales
representative**
for complete details
and extend your full
warranty today

At a Glance



Cover3More is available on all our product lines			
DRYPOINT® RA	Refrigerant Air Dryers	BEKOMAT®	Zero Air Loss Drains
DRYPOINT® X / AC	Desiccant Air Dryers	QWIK-PURE®/ÖWAMAT®	Oil-water Separators
DRYPOINT® M	Membrane Air Dryers	METPOINT®	Instrumentation
CLEARPOINT®	Filters and Water Separators	BEKOKAT®	Hydrocarbon Removal Systems

How it Works

1. Select the product or products that you wish to cover with the extended warranty.
2. Simply add 8% to the net price of each product or call your sales representative if you need help calculating your final net price.
3. Include this information as a line item with your purchase order or purchase the warranty extension up to 18-months post-sale.

What we need from you: It's not much. In fact, if you are purchasing the Cover3More extended warranty with a new equipment purchase, all you have to do is include a line item on your order indicating which items you wish you cover, and we will take care of the rest. If you happen to be adding coverage to a product you've already taken delivery of, then all we need is the company name and contact information of the original purchaser, the product model number of the product to be covered, serial number, and original purchase order number or BEKO Technologies invoice number, and we will apply coverage appropriately. **Please feel free to contact us at +1 (800) 235-6797 to get started.**

All maintenance procedures, including filter element changes, must be carried out in accordance with the manual in order to maintain any warranty.

Cover3More Extended Warranty Program

■ Compare

We give you more: In addition to a robust, standard 2-year warranty on BEKO Technologies products, we offer our customers the option of extending the standard warranty even further with the **Cover3More** program – a low cost, all-encompassing, and simple warranty extension program.

- › Extends the standard factory warranty for an additional 3-years
- › May be purchased at any time up to 18-months post-sale
- › No hassle and easy to calculate without any hidden costs

Secure your future with a minimal investment. The **Cover3More** extended warranty program from BEKO Technologies ensures that your investment is covered for a total of 5-years at a nominal cost.

- › 2-year standard warranty covers parts and labor
- › 3-year extended warranty covers parts only, no parts restrictions
- › Significantly reduces your risk of having unexpected costs

Reliability you can count on: With the Cover3More extended warranty program, BEKO Technologies not only lengthens the standard warranty period by 3-years from the installation date, but also draws on the company's vast compressed air industry experience to quickly resolve any product problems you may experience in the least disruptive way possible, thereby keeping downtime to an absolute minimum. Should a repair be required, it will be handled by qualified, authorized personnel, and only original parts will be used.

What's in the fine print: The optional 36-month warranty extension (i.e. Cover3More) is a limited extended warranty that covers parts only from months 25-60.

However, all of the aforementioned installation, performance, and quality requirements must still be met in order to maintain extended warranty coverage. Failure to do so will render all warranties null and void.

The limited extended warranty coverage may be purchased and applied to any of the BEKO Technologies product lines included in the scope of the Cover3More extended warranty program from the original date of purchase from BEKO Technologies to 18-months thereafter.

Extended warranty coverage may not be purchased during the final 6-months of the standard warranty coverage, which are months 19-24 from the date of shipment or at BEKO Technologies' discretion, the date of installation.

The purchase price of the Cover3More limited extended warranty is not prorated and the current published purchase price is always applied.

Should the extended warranty coverage be purchased post-delivery or post-sale, then the serial number of all products to which the warranty shall be extended must be provided to BEKO Technologies at the time of purchase of the extended warranty.

Reliable | Efficient | Innovative

What can we do for you?



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