

Separators

Sahara's Unique Design

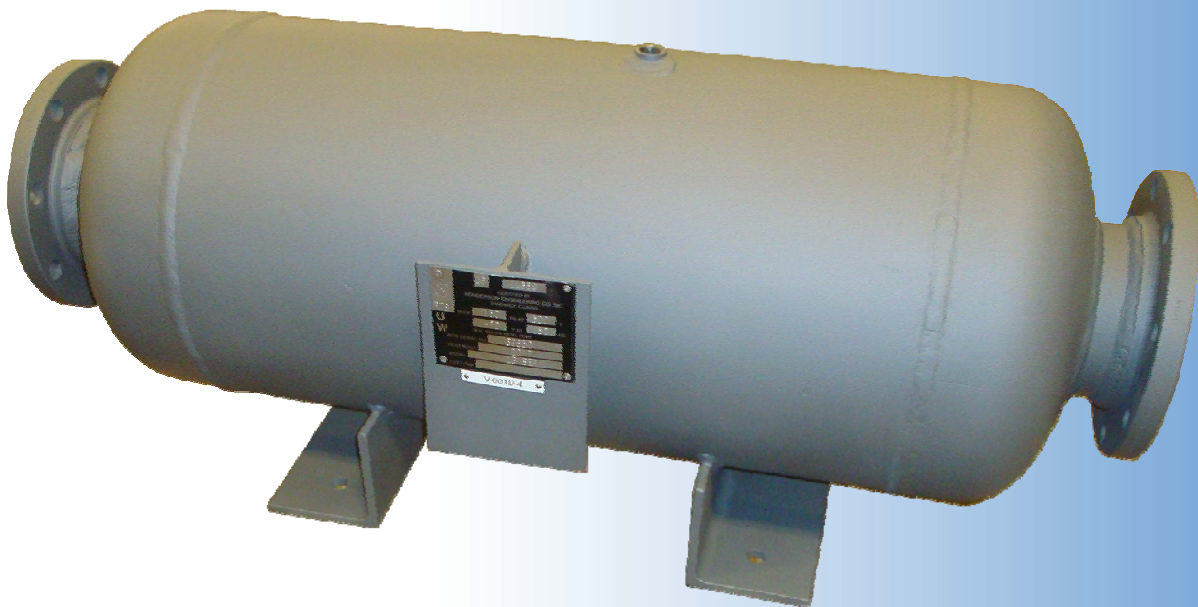


Henderson Engineering Co.
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Highly Efficient Separation

Exceptionally High Surface Area

Coalescing Medium Never Needs Replacement



World Leader in Regenerative Dryer Technology



World Leader in Regenerative Dryer Technology



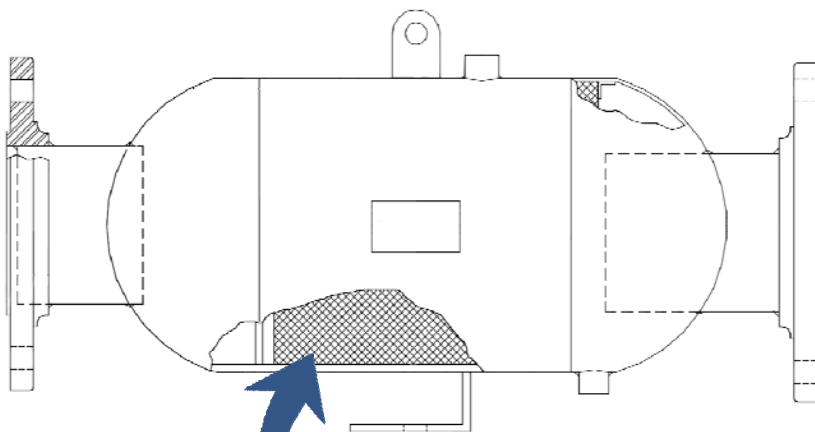
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Removal of Liquid Water

Fundamental to successful operation of a compressed air system

Liquid water causes corrosion of pneumatic tools, instruments and machinery. The resulting cost of replacing, and/or repairing equipment, coupled with the corresponding downtime, can be eliminated by taking the first step toward moisture removal: efficient separation.

Two basic methods exist for separating liquid water from compressed air: baffle or centrifugal separators and coalescing filters. Each type of design poses the distinct problems of inefficiency or high cost.



Stainless Steel Mesh Pad

The Best of Both Worlds

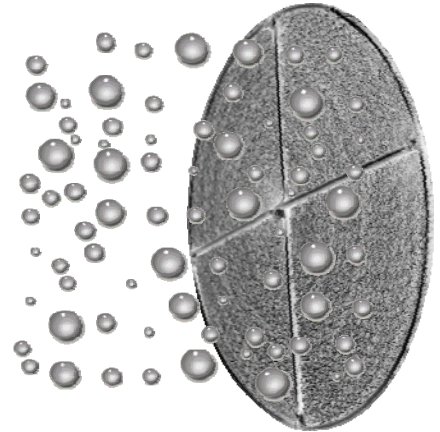
The unique design of the SAHARA coalescing separator combines the simplicity and efficiency of both separation methods into one product that performs in a class by itself. Instead of using baffles or costly replaceable filter elements, SAHARA utilizes a highly efficient stainless steel mesh pad as the coalescing medium.

Because of its exceptionally high surface area, it will never need replacement; yet will continue to deliver the same coalescing effect of expensive replacement filter elements.

Effectiveness and Ease of Maintenance

As wet compressed air enters the SAHARA coalescing separator, it comes in contact with the dense pad. Water droplets, as well as any other aerosols, are intercepted by the pad and forced to coalesce.

As the droplets grow in size and weight, gravity pulls them down to the collection area at the bottom of the separator. The liquid that accumulates can then be drained through a bottom connection. Unlike centrifugal type separators, our mesh pad separator remains highly efficient over varying flow rates.



Benefits of Sahara's Separator

**Most
efficient
coalescing
type**

**99.5%
efficient
design for
all liquids**

**Lifetime
stainless
steel mesh
pad**

**Housed in
ASME coded
pressure
vessel**

**Low
pressure
drop**





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Specifications

FLOW	MODEL	CONNECTION
125	4 x 1	1" NPT
180	4 x 1½	1½" NPT
280	5 x 2	2" NPT
400	5 x 3	3" FLG
600	6 x 3	3" FLG
900	8 x 3	3" FLG
1200	10 x 3	3" FLG
1500	10 x 4	4" FLG
1800	12 x 4	4" FLG
2200	12 x 6	6" FLG
3200	14 x 6	6" FLG
4400	16 x 6	6" FLG
6000	20 x 8	8" FLG
8500	24 x 8	8" FLG
8950	30 x 8	8" FLG
8950	30 x 10	10" FLG
14000	36 x 10	10" FLG

Other sizes available upon request.

Custom Design

We can build a dryer to meet your strict performance requirements

The heart of our company has always been engineering; finding novel solutions to our customers' unique applications. Our reputation has been built by building dryers custom designed for each specific application a customer requires. We are one of the few dryer manufacturers who can completely design and fabricate a dryer to each and every customers specifications.

Dryers are purchased to solve plant air problems. The decision to buy is complex and involves many variables; initial price, vendor qualifications, delivery, performance, and operating cost, just to name a few. The selection of a SAHARA air dryer is a safe choice. Our sales engineers will help you select the right system for your application. They have the expertise to review your plant air system and design the optimum engineered solution. Quality and reliability are built into every SAHARA air dryer and performance is guaranteed.

Sahara Air Products

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Henderson Engineering Co., Inc., is proud to be certified to the ISO 9001 Quality Management System standards and guidelines