



Compressed Air & Gas Filtration

Cleansweep Water Separators

Compressed air naturally contains water vapor, which condenses into liquid form as the air cools. If this moisture isn't properly removed, it can cause significant issues, including corrosion in pipelines, damage to pneumatic tools, reduced efficiency, and increased maintenance needs. Water buildup can also lead to product contamination in industries where clean, dry air is essential, such as food processing, pharmaceuticals, and electronics manufacturing.

The Trident Pneumatic Cleansweep range of water separators, with proven centrifugal technology, is a reliable solution for removing up to 99% of bulk liquid contamination from compressed air systems. It protects equipment, improves performance, reduces downtime, and supports compliance with air quality standards.

Benefits

Peace of Mind

The externally accessible drain valve simplifies maintenance by eliminating the need to access the inside of the filter housing when servicing the drain. This convenient design allows for quick and easy drainage, saving time and effort during routine maintenance. This feature enhances accessibility and ensures smooth operation, making maintenance tasks more straightforward and less time-consuming.

Robust Design

The housing of the system is expertly manufactured from durable die-cast aluminum and coated with a high-quality polyester powder finish to provide optimal corrosion protection. This robust construction ensures the housing can withstand even the most demanding applications, including harsh industrial environments. This combination of materials makes the housing an ideal choice for ensuring reliable and long-lasting operation in tough conditions.

Modular Construction

The affordable connecting kits, along with the newly redesigned filter head, make the assembly process straightforward and efficient. This innovative design allows for easy close-coupling, simplifying installation and ensuring a secure and reliable connection for optimal system performance.

Cost to Effective

The system is highly cost-effective, as it eliminates the need for replacement components, reducing ongoing maintenance and operational costs. Unlike many other systems that require regular part replacements, this design ensures long-term durability and reliability without the added expense of frequent upkeep.



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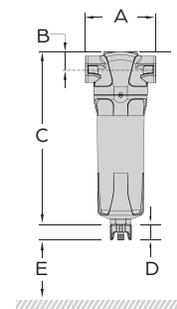
Product Specifications

Ordering Part No.	Inlet & Outlet		Rated Flow ⁽¹⁾		Dimensions (Inches)				Weight
	NPT	SCFM	A	B	C	D	E	lbs	
8095 1702 46	1/8"	6	1.97	0.67	6.18	1.10	2.36	0.6	
8095 1702 47	1/4"	15	1.97	0.67	6.18	1.10	2.36	0.6	
8095 1702 48	1/4"	25	2.76	0.95	9.09	1.10	2.76	1.3	
8095 1702 49	3/8"	35	2.76	0.95	9.09	1.10	2.76	1.3	
8095 1702 50	1/2"	50	2.76	0.95	9.09	1.10	2.76	1.3	
8095 1702 51	1/2"	70	5.00	1.26	9.09	1.18	3.15	3.7	
8095 1702 52	3/4"	125	5.0	1.26	11.11	1.18	3.15	4.4	
8095 1702 53	1"	175	5.0	1.26	11.22	1.18	3.15	4.4	
8095 1702 54	1 1/4"	280	5.51	1.58	18.70	1.18	3.15	6.6	
8095 1702 55	1 1/2"	325	5.51	1.58	18.70	1.18	3.15	6.6	
8095 1702 56	2"	700	6.69	2.09	20.00	1.18	3.94	12.1	
8095 1702 57	2 1/2"	850	8.66	2.76	16.26	1.18	3.94	23.1	
8095 1702 58	2"	1500	8.66	2.76	16.26	1.18	3.94	27.6	

Specifications	8095170246 to 8095170250	8095170251 to 8095170258
Recommended operating temperature range	35 to 176°F	35 to 176°F
Design operating temperature range	35 to 176°F	35 to 176°F
Design operating pressure range	0 to 232 psig	22 to 232 psig ⁽²⁾
Condensate drain (included) ⁽³⁾	8095170647	8095170648

Pressure Correction Factors										
Operating pressure (psig)	58	72	87	100	115	145	174	203	232	
Correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51	

- (1) At 100 psig. For all other pressures, refer to the pressure correction factors above.
- (2) For pressures below 22 psig order with 8095170647 condensate drain.
- (3) Part numbers 8095170246 to 8095170258 are supplied with an automatic float drain. When high liquid loads are anticipated we recommend installing a high capacity external condensate drain. Contact support@airandgassolutions.com for available options.



8095170246 to 8095170258

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