

# OPENAIRE® FILTER HOUSING

*Lightweight CBR Filter Housing for  
Building and Ship Protection*



OpenAire and OpenAire Marine filter housings are ideal for collective protection (ColPro) systems. They are designed to hold up to eight (8) CBR filters for a flow capacity of up to 1,600 CFM (2720 m<sup>3</sup>/h) per housing. The OpenAire Marine variant adds features for improved performance in naval and marine environments. Both housing types are available as welded assemblies or as bolt-together kits. OpenAire filter housings offer weight savings up to 50% over U.S. Navy filter housings, yet share common service parts and filter installation techniques.

OpenAire filter systems take CBR filtration to the next level. They are available in two types: a base version for fixed site ColPro applications and a Marine version for shipboard applications. Both are available in flow rates to 1600 CFM (2720 m<sup>3</sup>/h) and can be arranged in banks for filtration capacities of 20,000 CFM (33980 m<sup>3</sup>/h) or more.

OpenAire Marine adds three key features: castings are inspected using x-ray and dye penetrant methods, aluminum parts are anodized and sealed to improve corrosion performance, and spring-loaded cover nuts replace standard cover nuts for improved resistance to vibration in severe environments.

OpenAire filter housings differ from U.S. Navy housings in several ways. Most visibly, OpenAire eliminates the restrictive outer skin for more uniform filter-to-filter flow performance. Weight is reduced by eliminating four of eight filter guide rails and optimizing castings. Key features, such as critical seals, are unchanged.

## KEY FEATURES

- Comes standard with a two-piece front cover for use with the U.S. M98 gas/particulate filter set, one-piece cover is available for use with NATO filters
- Available as welded assemblies or as bolt-together kits for greater installation flexibility
- OpenAire and OpenAire Marine filter housings deliver outstanding performance and value for both building and ship applications

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Lightweight CBR Filter Housing for Building and Ship Protection



## SPECIFICATIONS

Ordering information	HDT part number	NSN	Rated air flow	Length	Weight
1 Filter	62-NW000296-01	N/A	200 CFM (340 m³/h)	8.9" (22.6 cm)	74 lbs (33.6 kg)
2 Filter	62-NW000296-02	N/A	400 CFM (680 m³/h)	19.1" (48.5 cm)	77 lbs (34.9 kg)
3 Filter	62-NW000296-03	N/A	600 CFM (1020 m³/h)	29.2" (74.2 cm)	81 lbs (36.7 kg)
4 Filter	62-NW000296-04	N/A	800 CFM (1360 m³/h)	39.4" (100.1 cm)	85 lbs (38.6 kg)
5 Filter	62-NW000296-05	N/A	1000 CFM (1700 m³/h)	49.5" (125.7 cm)	89 lbs (40.4 kg)
6 Filter	62-NW000296-06	N/A	1200 CFM (2040 m³/h)	59.7" (151.6 cm)	92 lbs (41.7 kg)
7 Filter	62-NW000296-07	N/A	1400 CFM (2380 m³/h)	69.8" (177.3 cm)	96 lbs (43.5 kg)
8 Filter	62-NW000296-08	N/A	1600 CFM (2720 m³/h)	80.0" (203.2 cm)	100 lbs (45.4 kg)
<b>Housing material and surface finish</b>	Aluminum				
<b>Casting inspections</b>	Visual and dimensional				
<b>Components</b>	<b>Nuts quantity</b>	<b>Nuts specification</b>	<b>O-ring quantity</b>	<b>O-ring specification</b>	
HEPA cover	4	CRES, P/N 6263427-01	1	EPDM per 6263430-01	
Gas cover	4	CRES, P/N 6263427-01	1	EPDM per 6263430-02	

## SPECIFICATIONS

Ordering information	HDT part number	NSN	Rated air flow	Length	Weight
1 Filter	62-NW000296-11	N/A	200 CFM (340 m³/h)	8.9" (22.6 cm)	74 lbs (33.6 kg)
2 Filter	62-NW000296-12	N/A	400 CFM (680 m³/h)	19.1" (48.5 cm)	77 lbs (34.9 kg)
3 Filter	62-NW000296-13	N/A	600 CFM (1020 m³/h)	29.2" (74.2 cm)	81 lbs (36.7 kg)
4 Filter	62-NW000296-14	N/A	800 CFM (1360 m³/h)	39.4" (100.1 cm)	85 lbs (38.6 kg)
5 Filter	62-NW000296-15	N/A	1000 CFM (1700 m³/h)	49.5" (125.7 cm)	89 lbs (40.4 kg)
6 Filter	62-NW000296-16	N/A	1200 CFM (2040 m³/h)	59.7" (151.6 cm)	92 lbs (41.7 kg)
7 Filter	62-NW000296-17	N/A	1400 CFM (2380 m³/h)	69.8" (177.3 cm)	96 lbs (43.5 kg)
8 Filter	62-NW000296-18	N/A	1600 CFM (2720 m³/h)	80.0" (203.2 cm)	100 lbs (45.4 kg)
<b>Housing material and surface finish</b>	Aluminum, anodized, per Mil-A-8625, Type III, with duplex seal				
<b>Casting inspections</b>	Visual, dimensional, x-ray, and dye penetrant				
<b>Components</b>	<b>Nuts quantity</b>	<b>Nuts specification</b>	<b>O-ring quantity</b>	<b>O-ring specification</b>	
HEPA cover	4	CRES, P/N 6263427-00 with spring-loaded plunger	1	EPDM per 6263430-01	
Gas cover	4	CRES, P/N 6263427-00 with spring-loaded plunger	1	EPDM per 6263430-02	

Products, product specifications and data are subject to change without notice to improve reliability, function, and/or design. Please contact Customer Service at 800.969.8527 for the most up-to-date product information.

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NON-EXPORT CONTROLLED INFORMATION  
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