

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 m³/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 m³/h) and can be arranged in banks for filtration capacities of 20,000 CFM (33980 m³/h) or more.

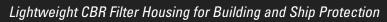
OpenAire Marine adds three key features: castings are inspected using x-ray and dye penetrant methods, aluminum parts are anodized and sealed to improve corrosion performance, and springloaded cover nuts replace standard cover nuts for improved resistance to vibration in severe environments.

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

OPENAIRE® FILTER HOUSING





SPECIFICATIONS					
Ordering information	HDT part number	NSN	Rated air flow	Length	Weight
1 Filter	62-NW000296-01	N/A	200 CFM (340 m ³ /h)	8.9" (22.6 cm)	74 lbs (33.6 kg)
2 Filter	62-NW000296-02	N/A	400 CFM (680 m ³ /h)	19.1" (48.5 cm)	77 lbs (34.9 kg)
3 Filter	62-NW000296-03	N/A	600 CFM (1020 m ³ /h)	29.2" (74.2 cm)	81 lbs (36.7 kg)
4 Filter	62-NW000296-04	N/A	800 CFM (1360 m ³ /h)	39.4" (100.1 cm)	85 lbs (38.6 kg)
5 Filter	62-NW000296-05	N/A	1000 CFM (1700 m ³ /h)	49.5" (125.7 cm)	89 lbs (40.4 kg)
6 Filter	62-NW000296-06	N/A	1200 CFM (2040 m ³ /h)	59.7" (151.6 cm)	92 lbs (41.7 kg)
7 Filter	62-NW000296-07	N/A	1400 CFM (2380 m ³ /h)	69.8" (177.3 cm)	96 lbs (43.5 kg)
8 Filter	62-NW000296-08	N/A	1600 CFM (2720 m ³ /h)	80.0" (203.2 cm)	100 lbs (45.4 kg)
Housing material and surface finish	Aluminum				
Casting inspections	Visual and dimensional				
Components	Nuts quantity	Nuts specification	O-ring quantity	O-ring specification	
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 m ³ /h)	8.9" (22.6 cm)	74 lbs (33.6 kg)			
2 Filter	62-NW000296-12	N/A	400 CFM (680 m ³ /h)	19.1" (48.5 cm)	77 lbs (34.9 kg)			
3 Filter	62-NW000296-13	N/A	600 CFM (1020 m ³ /h)	29.2" (74.2 cm)	81 lbs (36.7 kg)			
4 Filter	62-NW000296-14	N/A	800 CFM (1360 m ³ /h)	39.4" (100.1 cm)	85 lbs (38.6 kg)			
5 Filter	62-NW000296-15	N/A	1000 CFM (1700 m ³ /h)	49.5" (125.7 cm)	89 lbs (40.4 kg)			
6 Filter	62-NW000296-16	N/A	1200 CFM (2040 m ³ /h)	59.7" (151.6 cm)	92 lbs (41.7 kg)			
7 Filter	62-NW000296-17	N/A	1400 CFM (2380 m ³ /h)	69.8" (177.3 cm)	96 lbs (43.5 kg)			
8 Filter	62-NW000296-18	N/A	1600 CFM (2720 m ³ /h)	80.0" (203.2 cm)	100 lbs (45.4 kg)			
Housing material and surface finish	Aluminum, anodized, per Mil-A-8625, Type III, with duplex seal							
Casting inspections	Visual, dimensional, x-ray, and dye penetrant							
Components	Nuts quantity	Nuts specification	O-ring quantity	O-ring specification				
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.

HDT Expeditionary Systems, Inc.