

Extended Surface Carbo & DuoPleat V-Style Filter

DP-MERV 15
CP-MERV 8



SEM picture of view of Cross-cut activated carbon media



V-shaped Pleats



Corrosion free panels

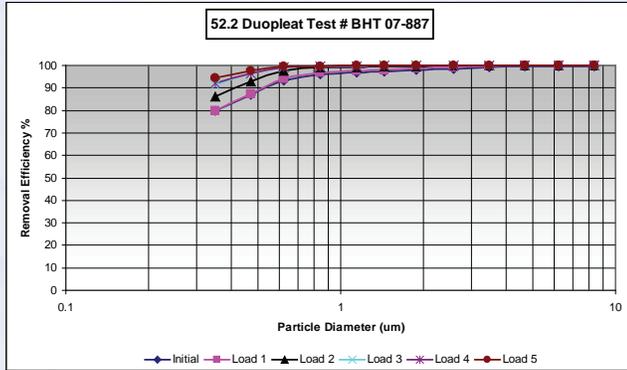


viledon Carbo and DuoPleat V-Style filters improve poor indoor air quality caused by Sick Building Syndrome, and protect sensitive products and equipment by eliminating pollutant gases and unwanted odors. They are excellent for use in state-of-the-art air-conditioning and indoor climate control systems in airports, hospitals, museums, commercial buildings and laboratories.

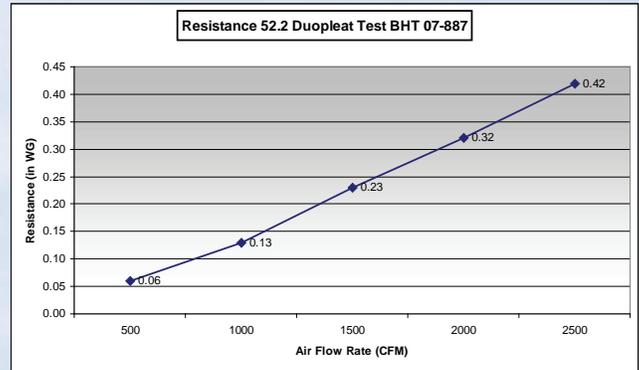
- ▶ viledon CarboPleat and DuoPleat are used in intake, exhaust and recirculated air filtration involving special requirements for clean air quality.
- ▶ The activated-carbon media used in both types of filters is secured in an open structure by a newly developed bonding system.
- ▶ The DuoPleat (DP) filters are made from a unique combination of activated carbon media and a triple-layered high performance nonwoven.
- ▶ The pleated filter media packs are mounted into plastic V shape panels and sealed, resulting in high media content, extended overall lifetimes and very low pressure drop.
- ▶ viledon's CarboPleat and DuoPleat extended surface filters protect systems from damaging pollutants

- ▶ Thermal Stability: 160°F.
- ▶ The pleated filter media packs are mounted into plastic V shape panels and sealed, resulting in high media content, extended overall lifetimes and very low pressure drop.
- ▶ **CarboPleat removes pollutant gases and unwanted odors. DuoPleat combines high efficiency particulate filtration with removal of pollutant gases and odors.**
- ▶ viledon's development team is continually creating new products to serve emerging markets and meet changing specifications.
- ▶ Covered by US Patent No. 6447566

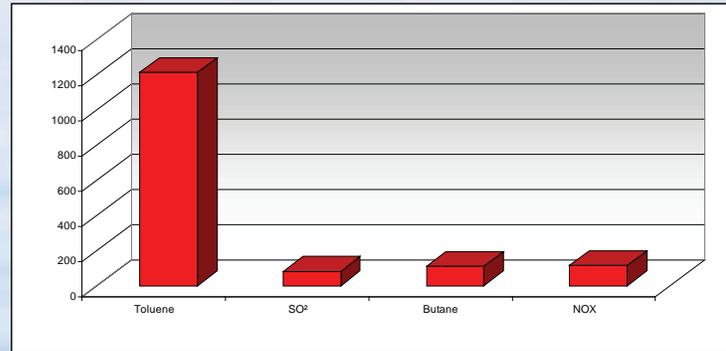
Particle Removal Efficiency



Resistance Curve



DuoPleat Graph



Performance	Unit	CP 1/1	DP 1/1
Rated Air Flow	CFM	1968	1968
Initial Resistance	"w.g.	.28	.32
Final Resistance*	"w.g.	1.5	1.5
MERV@1968	1-16	8	15
Media Area	ft ²	105	105
Carbon Weight	(lbs/g)	9.7/4,400	9.7/4,400

Performance	Unit	CP-DP 1/1
Burst Strength (BHT 07-887)	"w.g.	>4
Dust Holding Capacity	grams	407/151

Characteristics	unit	1/1 (24x24)	1/2 (12x12)	5/6 (24x20)
Header Size	in.	23-3/8x23-3/8	11-3/8x23-3/8	23-3/8x19-3/8
Depth	in.	11-1/2	11-1/2	11-1/2
Weight	lb.	12	6	8.4

The figures given are mean values subject to tolerances due to normal production fluctuations. Our explicit written confirmation is always required for the correctness and applicability of the information involved in any particular case.

viledon® is a registered trademark of Freudenberg