

POLYESTER MEDIA ROLLS



Bulk media rolls



Cut custom size media pads



Variety of media grades



UL Classified



DESCRIPTION

Air Handler's media manufacturing mill has been producing spray-bonded high-loft polystrand media for more than 25 years. Although Air Handler maintains smaller inventories of bulk and cut pads, Air Handler has the capacity to ship truckload orders to the destination of choice.

Air Handler's mill is designed for flexible manufacturing. The efficiency of operations enables Air Handler to produce custom styles and sizes with reasonable order minimums.

BENEFITS

The PST Series is a traditional multi-denier media designed for general applications. The non-migrating, light dry tackifier is on the blue downstream side to enhance dust retention. This media is an economical pre-filter to extend the life of your final filters or an adequate filter for less demanding, lower air flow applications.

The OR Series is a premium multi-denier, gradient density media designed for more demanding applications.

The non-migrating, heavy dry tackifier is on the orange downstream side to enhance dust retention. This media is an economical alternative to pleats and panels in systems with low air flow.

APPLICATIONS

Typical uses for both the PST and OR Series include all common HVAC applications such as commercial buildings, public schools, universities and manufacturing operations.

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POLYESTER MEDIA ROLLS

PST SERIES



OR SERIES



VL-05PST

VL-09PST

VL-19PST

VL-OR1

VL-OR2

H	W	D	Grainger #
8"	135'	.5"	2GGA4
10"	135'	.5"	2GGA8
12"	135'	.5"	2GGC3
16"	135'	.5"	4WZ60
20"	135'	.5"	4WZ61
24"	135'	.5"	4WZ62
25"	135'	.5"	4WZ63
30"	135'	.5"	4WZ64
36"	135'	.5"	4WZ65
40"	135'	.5"	2GGC7
48"	135'	.5"	4WZ66
50"	135'	.5"	2GGD2
60"	135'	.5"	2GGD6
72"	135'	.5"	2GGE1
84"	135'	.5"	2GGE5

H	W	D	Grainger #
8"	90'	1"	2GGE9
10"	90'	1"	2GGF4
12"	90'	1"	2GGF8
16"	90'	1"	4WZ67
20"	90'	1"	4WZ68
24"	90'	1"	4WZ69
25"	90'	1"	4WZ70
30"	90'	1"	4WZ71
36"	90'	1"	4WZ72
40"	90'	1"	2GGG3
48"	90'	1"	4WZ73
50"	90'	1"	2GGG7
60"	90'	1"	2GGH2
72"	90'	1"	2GGH6
84"	90'	1"	2GGJ2

H	W	D	Grainger #
8"	45'	2"	2GGJ6
10"	45'	2"	2GGK1
12"	45'	2"	2GGK5
16"	45'	2"	6B776
20"	45'	2"	5C442
24"	45'	2"	6B772
25"	45'	2"	5C443
30"	45'	2"	6B768
36"	45'	2"	6B765
40"	45'	2"	2GGL4
48"	45'	2"	6B762
50"	45'	2"	2GGL8
60"	45'	2"	2GGN3
72"	45'	2"	2GGN7
84"	45'	2"	2GGP2

H	W	D	Grainger #
8"	90'	1"	2GJH2
10"	90'	1"	2JRT9
12"	90'	1"	2JRU4
16"	90'	1"	2JRU8
20"	90'	1"	2JRV3
24"	90'	1"	2JRV7
25"	90'	1"	2JRW2
30"	90'	1"	2JRW6
36"	90'	1"	2JRX1
40"	90'	1"	2JRX4
48"	90'	1"	2JRX7
50"	90'	1"	2JRY1
60"	90'	1"	2JRY4
72"	90'	1"	2JRY7
84"	90'	1"	2JRZ1

H	W	D	Grainger #
8"	60'	2"	2JRZ4
10"	60'	2"	2JRZ7
12"	60'	2"	2JTA1
16"	60'	2"	2JTA4
20"	60'	2"	2GJC9
24"	60'	2"	2JTA7
25"	60'	2"	2JTC1
30"	60'	2"	2JTC4
36"	60'	2"	2JTC7
40"	60'	2"	2JTD1
48"	60'	2"	2JTD3
50"	60'	2"	2JTD6
60"	60'	2"	2JTD9
72"	60'	2"	2JTE3
84"	60'	2"	2JTE6

PERFORMANCE DATA

Media Style	Loft	Oz./ Sq. Ft.	Roll Width	Roll Length	Tackifier	Air Flow (Ft./Min.)	Initial Resistance	Final Resistance	Dust Holding	Arrestance	MERV
VL-05PST	1/2"	0.45	Up to 84"	135'	Light Dry Tack	300	0.09"	1.00"	181 G	84%	7
VL-09PST	1"	0.67	Up to 84"	90'	Light Dry Tack	300	0.14"	1.00"	195 G	85%	7
VL-19PST	1 1/2"	1.2	Up to 84"	45'	Light Dry Tack	300	0.15"	1.00"	236 G	87%	8
VL-OR1	1"	1.25	Up to 84"	90'	Heavy Dry Tack	300	0.25"	1.00"	175 G	93%	8
VL-OR2	1 1/2"	1.4	Up to 84"	60'	Heavy Dry Tack	300	0.30"	1.00"	180 G	94%	8

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RIGID POLY MEDIA



Heavy duty commercial/
industrial grade media



Replaces hog's hair fiberglass
throwaways and can be washed
or vacuumed



Odorless and water resistant



Suitable for swamp coolers



DESCRIPTION

The Permair is constructed with 100% polyester fibers that are resilient, water repellent and chemical resistant. The fibers are held together with a durable resin, which allows washing/vacuuming and re-use if desired. Both styles are rigid enough to be used without a frame in most applications. The Permair is available in 25" and 30" rolls of 25' in length.

BENEFITS

Lower resistance reduces
energy consumption

The 100% polyester fibers are
odorless, will not absorb water
and eliminate fiberglass and
animal hair fibers

The rigid media resists sagging
in the air stream

Multiple sizes from one roll or
large pad reduces inventory

APPLICATIONS

Rigid Poly is excellent as a cut-
to-fit filter for air conditioning
units in restaurants, hotels and
schools

Excellent for use in evaporative
coolers

Pre-filtration for higher
efficiency filters

Designed for water or oil mist
coalescing

Any application requiring a
low-resistance filter

Cut to size for industrial
filtration on equipment
cabinets

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POLYESTER MEDIA ROLLS

PERMAIR

Size	Case Qty.	Sq. Ft.	Grainger #
25" x 25'	1	52	2GJC1
30" x 25'	1	63	2GJC5



PERFORMANCE DATA

Media Style	Fiber	Loft	Reusable	Air Flow (Ft./Min.)	Initial Resistance	Final Resistance	Dust Holding	Arrestance	Max. Temp.	UL900
Permair	Polyester	1"	Water Wash	300 fpm	0.05" w.g.	1.00" w.g.	448 g	73%	150 ^o	UL Classified
Permair	Polyester	1"	Water Wash	300 fpm	0.05" w.g.	1.00" w.g.	448 g	73%	150 ^o	UL Classified

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AUTO-ROLL FILTERS

- Commercial and industrial grade fiberglass and synthetic media with scrim backing
- Universal replacements for all automatic, semiautomatic and manual roll-type filter machines
- Replacement rolls for all makes and models
- Leaders and trailers are standard for easy installation
- Standard 65' lengths



DESCRIPTION

Air Handler Automatic Roll filters are designed for commercial and industrial use. The Automatic Rolls are designed for quick and easy installation. They fit all types of machines without modification of existing hardware.

Air Handler offers two types of media:

2 1/2" thick "Economy Grade" fiberglass media with a heavy duty scrim backing for anti-necking and coated with a dust holding adhesive.

1" thick single ply polyester media with a heavy-duty scrim backing.

BENEFITS

Fiberglass media has historically been the media of choice for auto-roll applications. The media blanket is literally made up of miles of glass strands bonded together with a thermo setting agent. The media is progressively denser from the air-entering side to the air-exiting side. An adhesive is applied to enhance the filtration performance of the media.

Synthetic media is manufactured from high loft virgin polyester fibers and has become more popular over the years. Polyester is widely used in the food, pharmaceutical and electronic industries. The media is easy to handle without gloves and fiber break-off is held to a minimum.

Scrim backing is standard on all rolls. This backing provides additional media support and assures that the media configuration will be maintained throughout the filter life.

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AUTO-ROLL FILTERS

DIMENSIONS AND PART #S

Core Type	Nominal Width	Actual Width	Actual Length	Media Type	Ctn. Qty.	Grainger #
C	3	31-7/8	65'	Fiberglass	1	2W632
C	3	31-7/8	65'	Polyester	1	6B688
AE/CB	3	32-3/4	65'	Fiberglass	1	2W633
AE/CB	3	32-3/4	65'	Polyester	1	6B689
C	4	43-7/8	65'	Fiberglass	1	2W634
C	4	43-7/8	65'	Polyester	1	6B686
AE/CB	4	44-3/4	65'	Fiberglass	1	2W635
AE/CB	4	44-3/4	65'	Polyester	1	6B687
C	5	55-7/8	65'	Fiberglass	1	3W339
C	5	55-7/8	65'	Polyester	1	6B684
AE/CB	5	56-3/4	65'	Fiberglass	1	3W340
AE/CB	5	56-3/4	65'	Polyester	1	6B685
C	6	67-7/8	65'	Fiberglass	1	5C445
C	6	67-7/8	65'	Polyester	1	6B682
AE/CB	6	68-3/4	65'	Fiberglass	1	5C446
AE/CB	6	68-3/4	65'	Polyester	1	6B683

ALL MEDIA AND CORE TYPES/SIZES CAN BE ORDERED THROUGH SOURCING

SPECIFICATIONS

-  Recommended for velocities up to 500 fpm
-  Adhesive will stay intact at constant operating temp. up to 150°F
-  Adhesive will not migrate downstream and is non-toxic, odorless and safe to handle
-  All filter units are Underwriters Laboratories classified

CORE IDENTIFICATION GUIDE

This section includes pictures and brief descriptions of all cores used on Automatic Roll filter machines. This guide is offered for assistance in identifying the correct core when system manufacturer identification is not possible.

All furnished cores are compatible with those furnished by the original equipment manufacturers (OEM).

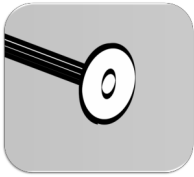
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AUTO-ROLL FILTERS

THE FOLLOWING CORE TYPES/SIZES CAN BE ORDERED THROUGH GRAINGER SOURCING

TYPE AE CORE



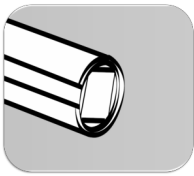
Designed to fit American Air Filter "Roll-O-Matic". Core consists of 3/4" ID metal pipe with metal end plates approximately 11" in diameter attached on each end.

TYPE CB CORE



Designed to fit Cambridge "Autoroll". Core consists of 3/4" metal pipe, no end plates unless specified on order.

TYPE AM CORE



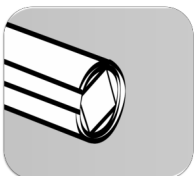
Designed to fit Airmaze "Roll-A-Maze". Core consists of 1-7/8" ID fiberboard tube with metal cup recessed 5/8" each end. A rectangular slot, 1-1/2" x 3/4" is stamped in each cup.

TYPE F CORE



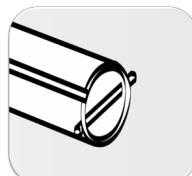
Designed to fit Farr "Roll Kleen". Core consists of 2-1/8" ID fiberboard tube. No drive pin, discs or cups.

TYPE CR CORE



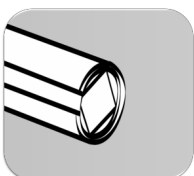
Designed to fit Carrier series 31NA and 31NC. Core consists of 2-7/16" ID fiberboard tube with a metal cup secured in each end and recessed to a depth of 1-1/2".

TYPE C CORE



Designed to fit Continental "Conomannual" or "Conomatic". Core consists of 3" ID fiberboard tube with a drive pin 2-1/2" from one end.

TYPE T CORE



Designed to fit Trane Company "Roll Filter". Core consists of 2-7/16" ID fiberboard tube with metal cup in each end, recessed 1-1/2". A 1-1/2" square is stamped in each cup.

TYPE L CORE



Designed to fit commercial "FulFlo" and Min Safety Appliance machines. Core consists of 3" ID fiberboard tube with drive pin 2-1/2" from one end.

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WASHABLE FOAM MEDIA ROLL



Air Handler Washable Foam Media Rolls can be used to replace disposable filters as a prefilter for high efficiency electronic or media cartridge filters. They are designed for commercial and industrial use and can be cleaned by a vacuum or washed.

DIMENSIONS AND PART #S

W	L	D	Grainger #
24"	25'	.25"	5W913
30"	25'	.25"	6U592
36"	25'	.25"	6U590
24"	25'	.5"	5W914
36"	25'	.5"	6U589
24"	10'	1"	5C444
36"	10'	1"	6U591

APPLICATION PARAMETERS

Maximum Constant Temperature:	150°F
Flammability:	UL Classified
Initial Resistance:	.15" w.g. @ 300fpm
Recommended Final Pressure Drop:	.5" w.g.
# of Pores:	30 Pores per inch (PPI)

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HOG HAIR ROLLS



Air Handler Hog Hair Rolls can be used to replace odd size furnace filters. All-natural filter fibers permanently coated with a neoprene compound. Washable, with scrim backing for rigidity.

DIMENSIONS AND PART #S

W	L	D	Grainger #
20"	30'	.5"	6U588
25"	30'	.5"	6U587
48"	30'	.5"	6U584
20"	30'	1"	5C431
25"	30'	1"	5C432
48"	30'	1"	6U585
20"	15'	2"	5C433
25"	15'	2"	5C434
48"	15'	2"	6U586

APPLICATION PARAMETERS

Initial Resistance:	.15" w.g. @ 300fpm
Frame Type:	.5" w.g.