



Koch Filter Corporation
Filtration Products Crafted with Pride

Bulletin No. K-11586

Automatic Roll Filters

Koch Filter Corporation manufactures replacement roll filters for all existing roll filter equipment.

All Koch Automatic Rolls, regardless of type of original equipment, are guaranteed to meet or exceed specifications. To insure easy installation, paper leaders and trailers are furnished with each roll. In addition, every roll is subjected to a rigid quality control inspection of the media and winding technique before shipping.

Automatic Roll Filter Media

Koch Automatic Roll Filters are presently in use throughout the world in applications such as hospitals, commercial buildings, major universities, and industrial systems of all types. In order to meet the hundreds of requirements found in these systems, five unique Roll Filter Medias have been developed. Each media has been engineered to handle specific conditions such as heavy dirt loads, variable air volumes, varying humidity levels, and individual customer preferences.

Koch Automatic Rolls are available in three grades of *synthetic media* (P, MD, and ST), and two grades of *glass fiber media* (GD, GHD). All five styles consist of progressively dense media and adhesive to enhance dust holding capacity. A full-width integral backing on every roll provides protection against necking and fiber break-off. Consult your local Koch representative to find the right media for your equipment. For complete technical data and recommended applications, see inside.

Each roll is furnished with cores designed to fit original equipment machines including:

- American Air Filter Roll-O-Matic*
- BLC Industries*
- Continental Conomatic and Conomanual*
- Farr Roll Kleen*
- Cambridge Electro-Aire*
- Carrier*
- Commercial FulFlo*
- Trane Roll Filter*
- Air Maze Roll-A-Maze*
- Mine Safety Appliances Roll-Aire*
- All major unit ventilator equipment

*brand and trade names used for product identification only

Type P Synthetic Media

Type P is constructed of 100% polyester fibers. It is designed for commercial and industrial applications where a synthetic media is preferred, such as hospitals and food processing operations. A true progressive density media, Type P has excellent strength and will not collapse as dirt and resistance build up.

Type P Auto Roll Media is white in color, 65' long and scrim-backed.

Type MD Synthetic Media

Type MD is constructed of 100% highloft polyester fibers. MD is an extremely resilient media with a minimum loft of 1.5" in the airstream. The media is designed for applications where media strength and a high level of filtration are vital. Because the product contains no fiberglass, it is popular in hospital and food processing plants where no fiber-breakoff is permitted.

Type MD Auto Roll Media is white in color, 45' long and scrim-backed.

Type ST Synthetic Media

Type ST is composed of 100% synthetic fibers. The media is treated on the downstream side with a heavy coating of a specially formulated adhesive to enhance dust holding capacity and increase efficiency. Type ST is designed for any commercial or industrial installation. Because of the excellent performance characteristics offered by this specialized media, Type ST is popular in hospitals and in applications where clean air is critical.

Type ST Auto Roll Media is white in color, 65' long, tackified and scrim-backed.

Type GD Fiberglass Media

Type GD consists of high quality spun glass and is designed for most commercial and industrial applications where air velocity and dirt are normal (500fpm). Type GD offers an excellent combination of high quality and low initial purchase price.

Type GD Auto Roll Media is 65' long, scrim backed, with a blue tint on the air entering side.

Type GHD Fiberglass Media









Type GHD is a premium heavy duty glass media designed for use in applications where extreme conditions exist or where levels of contaminant require special filtration capability. GHD contains the highest concentration of glass and adhesive gel of any Koch Auto Roll Media.

Type GHD Auto Roll Media is 65' long, scrim backed, with a yellow tint on the air entering side.

Koch Automatic Roll Filters Technical Data and Physical Characteristics

Media Style	TYPE P	TYPE MD	TYPE ST	TYPE GD	TYPE GHD
Average Dust Arrestance	72%	78%	78%	80%	89%
Dust Holding Capacity (PSF)	84 grams	106 grams	85 grams	70 grams	80 grams
Initial Resistance	.07 w.g.	.19 w.g.	.06 w.g.	.14 w.g.	.24 w.g.
Fiber Type	Synthetic	Synthetic	Synthetic	Fiberglass	Fiberglass
Roll Length	65'	45'	65'	65'	65'
Nominal Thickness	¾"	1½"	¾"	1¾"	3"
Media Weight	7 oz/yd ²	11 oz/yd ²	7 oz/yd ²	20-25 gm/ft ²	30-35 gm/ft ²
Color Code	White	White	White	Blue	Yellow

Automatic Roll Filter Core Identification

	Roll Width	Model No.*	Roll Width	Model No.*	
Type A Core Designed to fit American Air Filter "Roll-o-Matic." Core consists of 3/4" I.D. metal pipe with metal end plates approximately 11" in diameter attached on each end.	22 3/4"	A2	24 7/8"	A25	
	32 3/4"	A3	31 7/8"	A32	
	44 3/4"	A4	38 1/2"	A39	
	56 3/4"	A5	39 7/8"	A40	
	68 3/4"	A6			
	20 1/2"	A21			
	22 1/4"	A22			
Type C Core Designed to fit Continental "Conomannual" or "Conomatic." Core consists of 3" I.D. fiberboard tube with a drive pin 2 1/2" from one end of core. Also available in metal core.	21 7/8"	C22	55 7/8"	C5	
	31 7/8"	C3	67 7/8"	C6	
	43 7/8"	C4	35 7/8"	C36	
Type F Core Designed to fit Farr "Roll Kleen". Core consists of 2 1/8" I.D. fiberboard tube. No drive pin, discs or cups.	33"	F3	15"	F18	
	45"	F4	21"	F20	
	57"	F5	27"	F26	
	69"	F6	39"	F36	
	09"	F12	51"	F46	
Type E Core Designed to fit Cambridge "Electroaire". Core consists of 3/4" metal pipe. No end plates unless specified on order.	23 7/8"	E2	56 7/8"	E5	
	32 7/8"	E3	65 7/8"	E6	
	44 7/8"	E4	68 7/8"	E6III	
Type B Core Designed to fit BLC Automatic Roll* machines. Core consists of 1 1/2" diameter metal tube, with 11" endplates recessed approximately 1 3/8" from the end of the core.	24 5/8"	B2			
	34 5/8"	B3			
	46 5/8"	B4			
	58 5/8"	B5			
	70 5/8"	B6			
Type T Core Designed to fit Trane company "Roll-Filter." Core consists of 2 7/16" I.D. fiberboard tube with metal cup in each end, recessed 1 1/2". A 1 1/2" square is stamped in each cup.	19 3/8"	T3,T7	59 3/8"	T41	
	21 3/8"	T6, T9	63 3/8"	T50	
	31 3/8"	T8,T17,T21	25 3/4"	T26	
	35 3/8"	T12,T24,T25	38 3/4"	T39	
	45 3/8"	T31	50 1/4"	T51	
	54 3/8"	T35	61 3/4"	T62	
Type AM Core Designed to fit Airmaze "Roll-A-Maze." Core consists of 1 7/8" I.D. fiberboard tube with metal cup recessed 5/8" in each end. A rectangular slot, 1 1/2"x3/4", is stamped in each cup.	20 3/2"	AM2	56 1/2"	AM5	
	32 1/2"	AM3	68 1/2"	AM6	
	44 1/2"	AM4			
Type K Core Designed to fit Commercial "FulFlo" and Mine Safety Appliance machines. Core consists of 3" I.D. fiberboard tube with drive pin 2 1/2" from one end.	33"	K3	21"	K20	
	45"	K4	27"	K26	
	57"	K5	39"	K36	
	69"	K6	51"	K46	

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