

AUTO-KLEAN® FILTER SYSTEM

MODELS EG & EGS



Fluid Purification



The Auto-Klean model EG and Super Auto-Klean model EGS are all metal cleanable edge filters that can be cleaned without interrupting flow. Designed for long service life, the filter sump is gasket sealed and attached to the filter head by a clamping ring and four bolts to allow

removal without disturbing inlet/outlet pipe connections. Mounting holes are drilled and tapped to permit installation on a vertical surface. A vent screw and sludge drain are provided for safe and easy system operation.

SPECIFICATIONS

Table 1 provides the models EG and EGS general specifications.

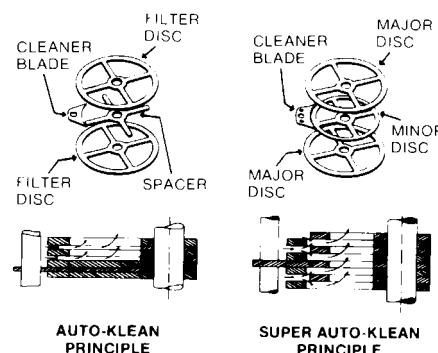
	EG	EGS
GENERAL FILTER DATA		
Inlet/Outlet	1" or 1 1/2" NPTF	
Max. Operating Pressure	200 psi @ 200°F	
Sludge Capacity		
5" Ctg.	16.2 in ³	
8" Ctg.	11 in ³	
Cartridge Diameter	2 1/4"	
Cartridge Length	5" or 8"	
Spacings	0.003", 0.005", 0.008", 0.012, or 0.015"	0.0015"
MATERIALS OF CONSTRUCTION		
Head	Cast Iron	
Sump	Drawn Steel	
Head Gasket	Buna/Cork	
Gland Packing	Aramid Fiber	
Cartridge	Steel or 304 S.S.	Steel or 316 S.S.

TABLE 1. - EG & EGS SPECIFICATIONS

The Auto-Klean & Super Auto-Klean Story

Auto-Klean all metal edge filters are composed of a stack of alternating metal discs and spacers of uniform thickness on a rotatable central shaft. The cleaning blades are mounted on a stationary rod and project into the area between the discs. When the handle is turned, the particles lodged on or between the discs are "combed" from the surface, restoring full flow conditions, without any service interruption. The "combed" debris falls to the bottom of the sump for removal at a later time.

The Super Auto-Klean filter refines the design of Auto-Klean for a higher degree of filtration while maintaining all the ease of use of the original design. By using discs of a smaller diameter as spacers, a second filtration area is formed. The first filtration area, like the Auto-Klean, is between the larger or major discs, while the second area is between the inside diameter of the major disc and the outside diameter of the smaller or "minor" disc. The radial gap created by the major and minor discs determines the degree of filtration.



FEATURES

- Cleanable all metal filter - one rotation of the handle cleans the cartridge
- Durable cast iron and steel
- Cartridge available in steel and stainless steel in various removal ratings

BENEFITS

- Durable construction for long service life
- Economical solution to long term filtration needs
- Eliminates used cartridge disposal

FLOW CAPACITY

Flow rates (Table 2), at various viscosities, for the EG and EGS filters are based on clean fluid with pressure drop of 3 psi. Flow rates for other viscosity fluids are approximately proportional. Select a filter model according to the nature and concentration of the contaminant to be removed.

SPACING	SCREEN MESH EQUIV.	FREE AREA (IN ²)	VISCOSITY IN SSU			
			100	300	700	2000
			Flow in GPM			
Super Auto-Klean 5" Cartridge						
* 0.0015	400	2.6	34	21	11	4.6
Auto-Klean 5" Cartridge						
0.003	200	6.2	18	12	6.5	2.9
0.005	120	8.7	25	16	9	4.2
0.008	70	12.2	30	21	12	5.9
0.012	50	16.2	30	23	13	6.1
0.015	40	15.1	30	26	15	7.5
Super Auto-Klean 8" Cartridge						
* 0.0015	400	4.2	45	32	17	7
Auto-Klean 8" Cartridge						
0.003	200	9.8	24	16	9.5	4.7
0.005	120	13.9	29	20	12	6.1
0.008	70	19.5	30	25	16	8.3
0.012	50	25.9	30	27	17	8.7
0.015	40	24.1	30	30	18	9.4
* Super Auto-Klean Filter (available as special product)						

* Super Auto-Klean Filter (available as special product)

TABLE 2. - EG & EGS FLOW RATES

OPERATION

Auto-Klean filters require little maintenance. CUNO recommends that the filter cartridge be cleaned using an appropriate solvent, or by ultrasonic bath, when required. If the process cannot be interrupted for cleaning, a hard plumbed filter bypass loop and spare filter cartridge will minimize downtime. For more information about cleaning and other Auto-Klean operations, contact your local CUNO Distributor.

WARRANTY

Seller warrants its equipment against defects in workmanship and material for a period of 12 months from date of shipment from the factory under normal use and service and otherwise when such equipment is used in accordance with instructions furnished by Seller and for purposes disclosed in writing at the time of purchase, if any. Any unauthorized alteration or modification of the equipment by Buyer will void this warranty. Seller's liability under this warranty shall be limited to the replacement or repair, F.O.B. point of manufacture, of any defective equipment or part which, having been returned to the factory, transportation charges prepaid, has been inspected and determined by the Seller to be defective. THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EITHER EXPRESSED OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE OR USE, OR ANY OTHER MATTER. Under no circumstances shall Seller be liable to Buyer or any third party for any loss of profits or other direct or indirect costs, expenses, losses or consequential damages arising out of or as a result of any defects in or failure of its products or any part or parts thereof or arising out of or as a result of parts or components incorporated in Seller's equipment but not supplied by the Seller.

CATALOG NUMBERS

MODEL	SPACING	FILTER CATALOG NUMBER	CARTRIDGE CATALOG NUMBER
1" NPTF CONNECTIONS - 5" STEEL CARTRIDGE			
EG	0.003	12318-25-50-0030	14145-08-50-0030
	0.005	12318-25-50-0050	14145-08-50-0050
	0.008	12318-25-50-0080	14145-08-50-0080
	0.012	12318-25-50-0120	14145-08-50-0120
	0.015	12318-25-50-0150	14145-08-50-0150
EGS	0.0015	12838-21-50-0015	12840-03-50-0015
1" NPTF CONNECTIONS - 8" STEEL CARTRIDGE			
EG	0.003	12320-29-50-0030	14145-17-50-0030
	0.005	12320-29-50-0050	14145-17-50-0050
	0.008	12320-29-50-0080	14145-17-50-0080
	0.012	12320-29-50-0120	14145-17-50-0120
	0.015	12320-29-50-0150	14145-17-50-0150
EGS	0.0015	12838-22-50-0015	12840-03-50-0015
1½" NPTF CONNECTIONS - 8" STEEL CARTRIDGE			
EG	0.003	11076-29-50-0030	14145-17-50-0030
	0.005	11076-29-50-0050	14145-17-50-0050
	0.008	11076-29-50-0080	14145-17-50-0080
	0.012	11076-29-50-0120	14145-17-50-0120
	0.015	11076-29-50-0150	14145-17-50-0150
EGS	0.0015	12907-16-50-0015	12840-04-50-0015
1½" NPTF CONNECTIONS - 8" STAINLESS STEEL CARTRIDGE			
EG	0.003	11076-29-40-0030	14145-17-40-0030
	0.005	11076-29-40-0050	14145-17-40-0050
	0.008	11076-29-40-0080	14145-17-40-0080
	0.012	11076-29-40-0120	14145-17-40-0120
	0.015	11076-29-40-0150	14145-17-40-0150
EGS	0.0015	12907-16-40-0015	12840-04-40-0015

DIMENSIONS

General dimensions for the EG and EGS filters are depicted in figure 1.

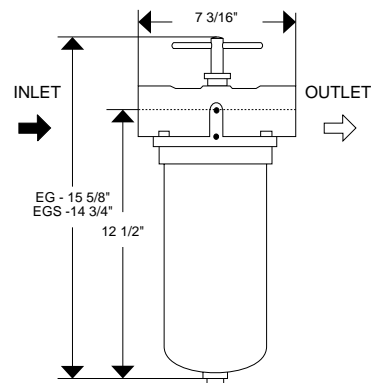


FIGURE 1. - EG & EGS DIMENSIONS

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