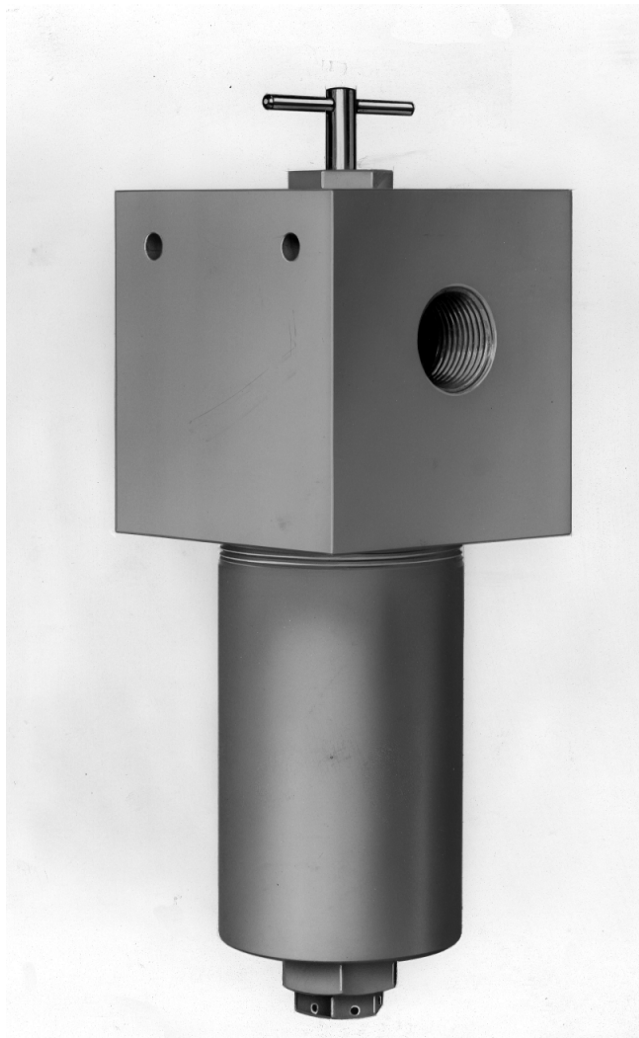


AUTO-KLEAN® Model GP Filter System



APPLICATIONS		
■ Adhesives	■ Lubricating oils	■ Bunker "C"
■ Quenching oils	■ Cooling oils	■ Cutting oils
■ Diesel oils	■ Fuel oils	■ Tar
■ Wax	■ Grease	■ Syrups

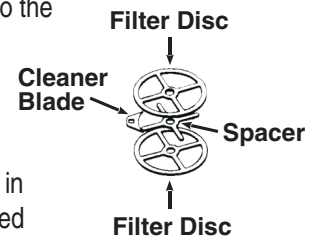
THEORY OF OPERATION

The Auto-Klean cartridge is an assembled unit composed of a stack of alternating metal discs and spacers of uniform thickness on a rotatable metal shaft. The thickness of the spacer determines the degree of filtration. Auto-Klean Model GP is available in spacings from 0.003" to 0.008".

Cleaning blades are mounted on a stationary rod adjacent to the cartridge stack and extend into the openings between the discs.

Turning the cartridge handle rotates the disc and spacer assembly past the fixed cleaner blades. By rotating the cartridge, in either direction, the particles lodged between the discs are positively removed or "combed" from the surface without interruption of flow.

Drain as often as experience indicates is necessary.



FLOW CAPACITY

The flow rates listed in Table 1 are based on clean fluid with a 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.

The Auto-Klean Model GP is an all metal cleanable edge type filter designed for high pressure applications. The threaded aluminum sump is o-ring sealed to the head for quick removal without disturbing pipe connections. Mounting holes and sump drain are provided to allow ease of installation and operation.

TABLE 1. - MODEL GP FLOW RATES						
SPACING (Inches)	SCREEN MESH EQUIV.	FREE AREA (in ²)	VISCOSITY IN SSU			
			100	300	700	2000
FLOW IN GPM						
0.003	200	3.0	5.0	3.1	1.8	1.0
0.005	120	4.0	6.0	3.9	2.4	1.4
0.008	70	5.4	6.6	4.6	2.7	1.7

FEATURE	BENEFIT
■ Cleanable design	■ Eliminates used filter cartridge disposal
■ Positive cleaning action with no interruption in flow or service	■ Maximizes production uptime
■ Rugged, all metal construction for trouble free operation	■ Can handle highly viscous fluids ■ Can be used on suction side of pumps

SPECIFICATIONS

Table 2 lists the Model GP general specifications.

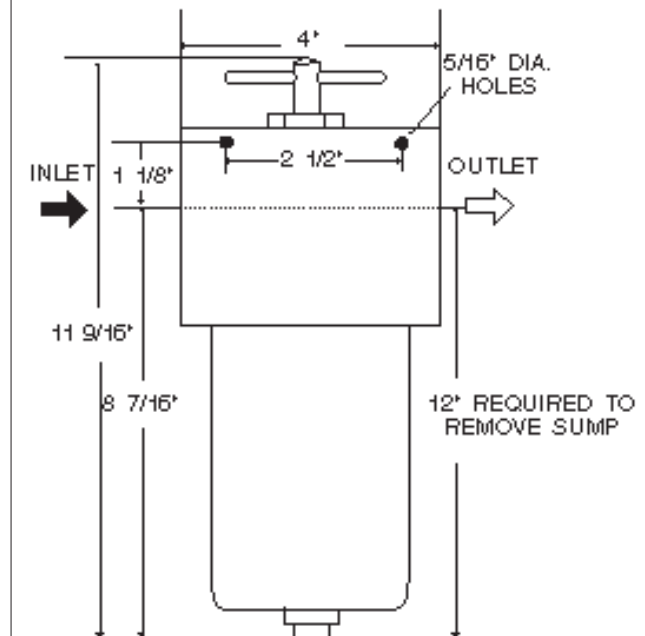
TABLE 2. - MODEL GP SPECIFICATIONS

GENERAL FILTER DATA	
Inlet/Outlet Connection	1" NPTF
Drain	3/4" - 16AN814-8DL
Max. Operating Pressure	3000 psi @ 300°F
	4000 psi @ 100°F (non-shock)
Sludge Capacity	5.7 in ³
Shipping Weight	9 lbs
HOUSING DATA	
Head	Anodized Aluminum
Sump	Anodized Aluminum
Head Gasket	Buna N O-Ring
Gland Seal	Buna N O-Ring
CARTRIDGE DATA	
Diameter	1 1/4"
Length	4 1/2"
Material	Steel
Spacing	0.003", 0.005", or 0.008"

DIMENSIONS

Rough plumbing dimensions for the Model GP are given in Figure 1. Allow enough space for sump removal.

FIGURE 1. - MODEL GP DIMENSIONS



CATALOG NUMBERS

MODEL	SPACING (in.)	FILTER CATALOG NUMBER	CARTRIDGE CATALOG NUMBER
GP	Steel Cartridge		
	0.003	13087-01-50-0030	13131-09-50-0030
	0.005	13087-01-50-0050	13131-09-50-0050
	0.008	13087-01-50-0080	13131-09-50-0080

For replacement parts, contact your CUNO Representative.

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