

AUTO-KLEAN® Model DDS Filter System



Auto-Klean Model DDS brass edge filter is designed for maximum economy where the required flow capacity is low. The DDS filter is cleanable without interruption of flow by one turn of the cleaning handle. The sump and head are sealed by induction brazing. A drain is provided for removal of sludge. Specifications for the DDS filter are listed in Table 1.

TABLE 1. - DDS SPECIFICATIONS

Filter Data	
Inlet/Outlet Connection	3/8" NPTF
Drain	1/4" NPTF
Maximum Operating Pressure	250 psi @ 200°F
Sludge Capacity	4 in ³
Shipping Weight	2.5 lbs.
Cartridge Diameter	1 1/4"
Cartridge Length	1 5/8"
Spacings	0.003", 0.005", or 0.008"
Construction Materials	
Head and Sump	Brass
Gland Packing	Aramid Fiber
Cartridge	Brass

APPLICATIONS

■ Fuel service	■ Lubricating oils
■ Cooling oils	■ Cutting oils

FILTER FLOW CAPACITY

The Auto-Klean DDS model filter flow rates listed in Table 2 are based on clean fluid at 3 psi pressure drop. Flows at other viscosities are approximately proportional. Select a spacing (degree of filtration) according to the nature and concentration of the contaminant to be removed.

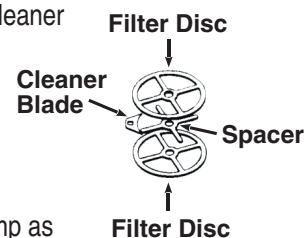
TABLE 2. - FLOW RATES

Spacing	Screen Mesh Equiv.	Free Area (in ²)	Viscosity (SSU)			
			100	300	700	2000
Flow (gpm)						
0.003	200	1.1	2.6	1.7	0.9	0.53
0.005	120	1.6	3.5	2.4	1.4	0.80
0.008	70	2.2	4.5	3.1	1.9	1.10

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 DDS 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 the sump as often as experience indicates is necessary.



FEATURES

- All brass materials
- Positive cleaning action with no interruption in flow or service
- Cleanable Filter Element

BENEFITS

- Durable construction for long service life
- Economical solution to long term filtration needs
- Maximizes productivity uptime
- Eliminates used filter disposal

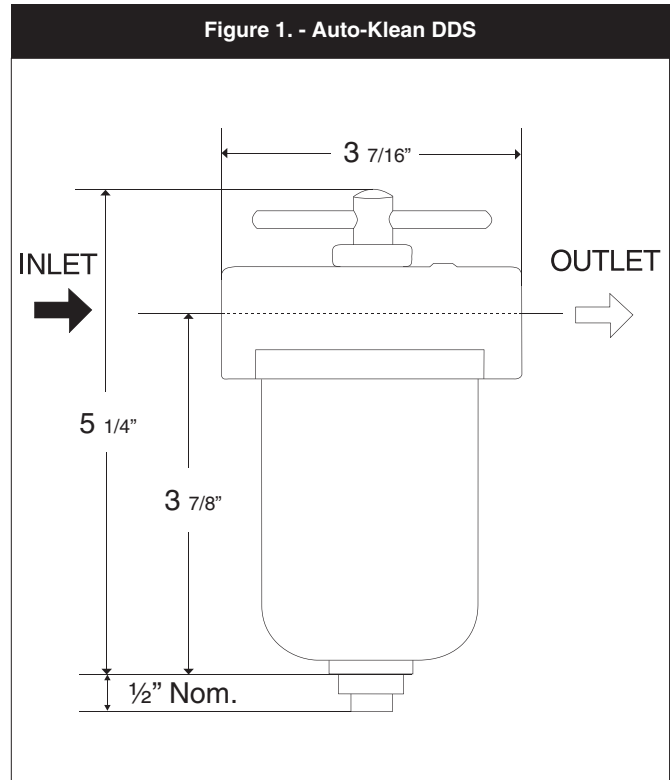
FILTER DIMENSIONS

The Auto-Klean DDS model filter dimensions are shown in Figure 1. These dimensions should be used for rough plumbing only. Note that enough space to accommodate sludge draining should be considered during installation.

FILTER CATALOG NUMBERS

MODEL	SPACING	CATALOG NUMBER
DDS	0.003	13136-01-20-0030
	0.005	13136-01-20-0050
	0.008	13136-01-20-0080

For replacement parts, contact your CUNO Representative.



Important Notice

CUNO MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Since a variety of factors can affect the use and performance of a CUNO product in a particular application, some of which are uniquely within the user's knowledge and control, user is responsible for determining whether or not the CUNO product is fit for a particular purpose and suitable for user's method of application.

Limitation of Remedies and Liability

If the CUNO product is proved to be defective, THE EXCLUSIVE REMEDY, AT CUNO'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OR TO REPAIR OR REPLACE THE DEFECTIVE PRODUCT. CUNO shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including, but not limited to, contract, negligence, warranty or strict liability.

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.



a 3M company

CUNO Incorporated

400 Research Parkway
Meriden, CT 06450, U.S.A.
Tel: (800) 243-6894
(203) 237-5541
Fax: (203) 630-4530
www.cuno.com