

# Cleanable Media and System Options

*Selection of media retentions and degree of automation is easy with Eaton mechanically cleaned filtration systems. Choose from 15 micron filter elements to 1/4" strainers. Manual to semi-automatic to full microprocessor controlled systems can be configured to suit specific operations, and the range of internal and external components help make Eaton systems a logical choice for long-term efficiency and cost control.*

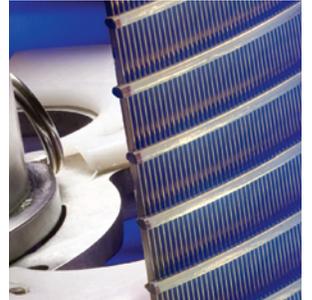
A range of control systems can be employed to actuate and monitor mechanically cleaned systems. Microcomputer controls can also be integrated with system-wide operations.



## MEDIA ELEMENTS



**Slotted Wedge Wire**  
DCF/MCF/MCS filter screens feature special wedge wire that is honed perfectly circular to guarantee contact with the cleaning disc so the slot openings are smallest at the screen's surface. This design helps prevent particle plugging of the slot openings while assuring total rated solids removal.



**Perforated**  
Perforated screens feature precise and uniform perforation patterns for complete removal of larger solids. These elements are ideal for straining large volumes of viscous fluids. 1/16", 1/8", and 1/4" perforations are available.



Powering Business Worldwide

# Mechanically Cleaned Filter Media and Options

## MEDIA RETENTIONS

### Slotted Wedge Wire

Inch	Micron	Mesh	% Open Area
.0006	15	—	2
.001	25	—	3
.0015	38	400	5
.002	50	325	6
.003	75	200	9
.004	100	150	12
.006	150	100	17
.007	180	80	19
.008	200	70	21
.009	230	60	23
.015	380	40	33
.024	600	30	44
.030	700	20	50
.045	1140	15	60

### Perforated

Inch	Micron	Mesh	% Open Area
1/16	1575	12	40
1/8	3175	6	40
1/4	6360	3	57

Additional retentions available. Consult Eaton.

## CONTROL SYSTEM CHOICES

The control options for mechanically cleaned filters are as broad as the applications they serve. Available controllers include:



PLC microcomputer controls deliver programmable stand-alone performance, or can integrate with control networks. Allen-Bradley and Siemens controls are standard PLC options.



Continuous Cleaning Valve (CCV) is the standard configuration where the cleaning disc continuously cycles, driven by shop airflow. Purge is controlled by a manual valve or push-button.



Electric timer for timed stroke (single) or stroke and purge (dual) in a NEMA 4-, 7-, or 12- rated enclosure. Dual pneumatic timers are available for explosion proof environments.

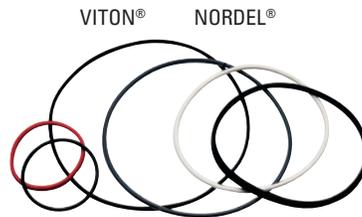


Semi-automatic electric control units for use with customer supplied controls for stroke and purge.

## DISC AND SEAL CHOICES

To meet the widest range of operating conditions and process liquid characteristics, Eaton mechanically cleaned systems are available with a number of lid and element seal elastomers and cleaning discs.

### Lid and element seals



### Cleaning discs



**Eaton**  
**North America – HQ**  
 70 Wood Avenue, South  
 2nd Floor  
 Iselin, NJ 08830

Toll Free: (800) 656-3344  
 (North America only)

Voice: (732) 767-4200  
 Fax: (952) 906-3706

**Eaton Brazil**  
 Voice: +55 (11) 6465-8780

**Eaton China**  
 Voice: (86-21) 5200-0099

**Eaton Europe/Africa/Middle East**  
 Voice: +49-2486-809-0

**Eaton Singapore**  
 Voice: +65 6825-1668

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For more information, e-mail us at [filtration@eaton.com](mailto:filtration@eaton.com) or call 732-767-4200.

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