

# CUNO MICRO-SCREEN®

## Stainless Steel Filter Elements



**Micro-Screen®** filter elements are produced from premium quality woven stainless steel screen mesh. Elements are all-304 or 316 stainless steel, with screen and perforated internal support attached to end caps equipped with replaceable gaskets. Elements can be cleaned chemically or ultrasonically and reused. Cylindrical elements may also be cleaned in place by backflushing. Request literature LITMSPKCLN for recommended cleaning instructions.

### APPLICATIONS

- Corrosive fluids that attack other types of filter media.
- Liquids and gases at high operating temperatures.
- Steam filtration, including culinary steam.
- Airborne hydraulic-pneumatic control systems subject to vibration, shock, or other unusual environmental operating conditions.
- Ultra-clean fluids requiring non-fibrous media of absolute structural integrity.
- Heavy viscosity liquids requiring high differential pressures to achieve specified flow rates.

### SPECIFICATIONS

Construction	Cylindrical or Pleated
Materials of Construction:	
Screen, end caps	304L stainless steel standard, 316 stainless steel available
Inner support	304 stainless steel
Gaskets (2 required)	Buna N, Viton, PTFE, or Ethylene Propylene
Element Operating Temperature:	
with Buna N gaskets	≤ 250° F
with Ethylene propylene gaskets	≤ 300° F
with Viton gaskets	≤ 400° F
with PTFE gaskets	≤ 450° F
Maximum Forward Differential Pressure	70 psid
Maximum Reverse Differential Pressure (backflushing)	15 psid
Nominal Ratings (Microns)	2, 5, 10, 20, 40

### MICRO-SCREEN FILTER ELEMENT FLOW RATES

Recommended flow in gallons per minute per one-high element based on clean fluid at 2 p.s.i. pressure drop (actual flow may be reduced by a fouling factor depending on service).

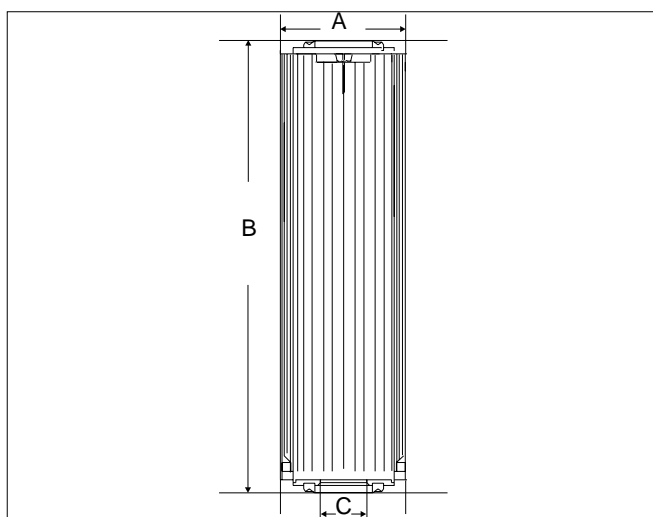
#### MICRO-SCREEN PLEATED CARTRIDGE FILTERS

2 Micron				5 Micron				10 Micron				20 Micron				40 Micron			
Water	80 SSU	200 SSU	600 SSU	Water	80 SSU	200 SSU	600 SSU	Water	80 SSU	200 SSU	600 SSU	Water	80 SSU	200 SSU	600 SSU	Water	80 SSU	200 SSU	600 SSU
12	6.3	3.7	3	12	7.1	5	3.2	12	8.0	5.8	4.8	12	8.4	6.7	5.7	12	8.4	6.7	5.8

#### MICRO-SCREEN CYLINDRICAL CARTRIDGE FILTERS

2 Micron				5 Micron				10 Micron				20 Micron				40 Micron			
Water	80 SSU	200 SSU	600 SSU	Water	80 SSU	200 SSU	600 SSU	Water	80 SSU	200 SSU	600 SSU	Water	80 SSU	200 SSU	600 SSU	Water	80 SSU	200 SSU	600 SSU
12	3.9	2.1	1.2	12	5.4	3.0	1.5	12	6.8	4.9	2.9	12	7.1	5.8	4.0	12	7.2	5.8	4.6

## PLEATED ELEMENT



### CARTRIDGE DIMENSIONS OF PLEATED ELEMENT

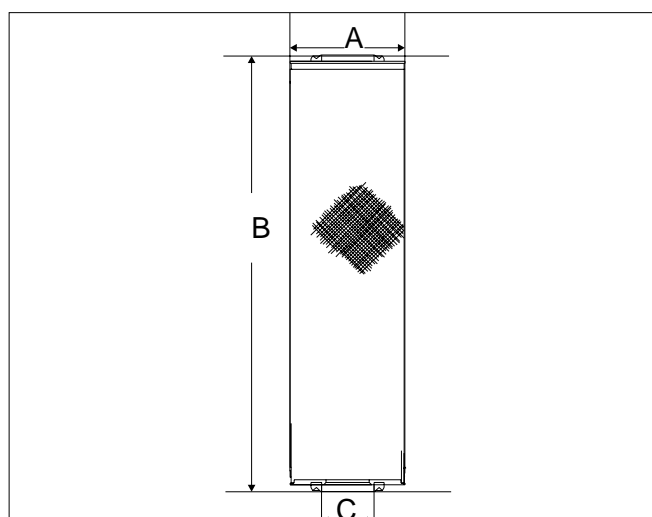
Basic Element Number	Element Height	A	B	C
	One-High	2 13/16"	9 3/4"	1"
52043	Two-High	2 13/16"	19 1/2"	1"

### MICRO-SCREEN PLEATED & CYLINDRICAL FILTER ELEMENTS ORDERING GUIDE

XXXXX Basic Element No.	-XX Element Height	-XX Element Material	-XXXX Filtration Rating
52043 Pleated	-01 (One-High) 9 3/4"	-41 (All 304 stainless steel)	-0024 (2 micron)
			-0054 (5 micron)
-0104 (10 micron)			
52243 Cylindrical	-0204 (20 micron)		
-0403 (40 micron)			

Your Local Cuno Distributor is:

## CYLINDRICAL ELEMENTS



### CARTRIDGE DIMENSIONS OF CYLINDRICAL ELEMENT

Basic Element Number	Element Height	A	B	C
	One-High	2 3/4"	9 3/4"	1"
52243	Two-High	2 3/4"	19 1/2"	1"

### SPECIAL DESIGNS

Micro-Screen cartridges are also available in all-316 stainless steel and 29 1/4" and 39" lengths. Other special mesh ratings available are: 200, 150, 120, 100, 80, 60, and 40 mesh. Micro-Screen is also available in special diameters and lengths, and with threaded connector single open end. Special Micro-Screen miniature filter elements are available for jet engine fuel, air and hydraulic systems. Incorporated into system component parts, they conserve space and weight. For special designs, please consult 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 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 incorpo-

# Service Worldwide



## Fluid Purification

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CUNO Filtration Asia Pte. Ltd.  
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Singapore 638131

CUNO Europe S.A.  
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62730 - Les Attaques  
France

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