

## Mechanical Cleaning Filter UMCF Series



### SELF CLEANING FOR HIGH VISCOSITY, HIGH DIRT LOAD APPLICATION

Our mechanical clean filter system designed to handle to filter 25 micron and larger in various industries where high particle content, viscous and sticky liquid which other system will simply can't handle.

UMCF filter is ideal for continuous ( and therefore batch ) applications.

The filtration principle is by using a dual pneumatically driven activators to move the special grade Teflon made disc up and down to perform the cleaning operation inside of the vertically slotted wedge or perforated screen, Our system can either operating in manual or automatic mode. The concentrated dirt are periodically purged for less than 1-2 seconds, so there is no much product loss in the operation.

### Features

This special grade of Teflon disc has a doctoring and wiping edge, both edges are pressed tightly against the screen by mechanical loading.



### Specification

- Material: SS304, SS316
- Connection Type: ANSI, JIS and DIN
- Pressure rating: 10 Bar
- Size: UMCF-4, 8 and 16 three models
- Pressure Rating: 150#

## UMCF Filter Sizing Guide

Liquid Type	Viscosity (cps)	UMCF-4	UMCF-8	UMCF-16
		Max Flow Rate (m3/hr )		
Water	1	3	12	45
Adhesive	10,000-50,000	1	4	12
Edible Oils	10-100	3	12	45
Honey	50-100	3	12	45
Ink (oil based)	100-1,000	3	12	45
Ink (water based)	10-100	3	12	45
Paint	500-1,000	3	12	45
Resin	5,000-50,000	1	4	12

Based on retention of 50 micron or greater

Recommended max flows based on max of 500 ppm of solids to be removed

	UMCF-4	UMCF-8	UMCF-16
Pipe Size	1.5"	2"	3"

### UMCF filter as advantages over other filter systems

- No further media costs likes filter cartridges & bags
- No downtime in your operation
- Save Manpower to manage the filter change out
- Close system, dirt can easily collected
- Compact System and space saving

### Applications

- Pulp & Paper Mills
- Food Processing
- Well Water
- Steel Mills
- Chemical Processing
- Parts Washing

**Order Specification Code**<sup>1</sup>

**UMCF Code**

**UMCF- 8 – A -020 A- M**

Model  
UMCF-4  
UMCF-8  
UMCF-16

Material  
A – SS304  
S – SS316

Flange Size

M -Basket  
Opening Size

