

Mechanical Cleaning Filter – UMCF Series

Self Cleaning for High Viscosity, High Dirt Load Application



Features

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



Mechanical Cleaning Filters

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.

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 (m ³ /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



How to order

UMCF Code **UMCF- 8 – A -020 A- M**

Model

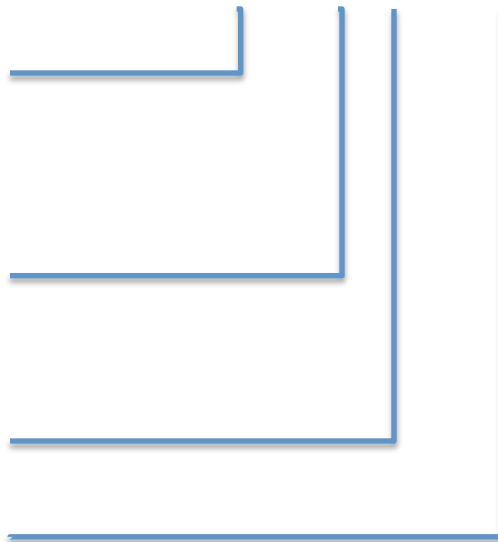
- UMCF-4
- UMCF-8
- UMCF-16

Material

- A – SS304
- S – SS316

Flange Size

M -Basket
Opening Size



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