

Top Quality, High Filtration accuracy



With assured performance

1 High accuracy and long-lived filtration with our technique developed through 40 years-experience in the air filter production.

2 Manufactured with corrosion-resistance materials.
OMF operates with minimal elution into deionized water.

3 OMF minimizes turbidity at the beginning of filtration and keeps water clear in the clean tank. It can improve the surface roughness of the fabricating materials, decrease the secondary discharge, and extend the life duration of ion-exchange resin.

4 By On-Off control, chips on the filter surface will drop easily. This contributes to easier recovery of filtration pressure.

OMF

Oshitari
Machine
Filter



Oshitari Laboratory, Inc.

OMF series, long-life type

NEW



340FK-X

Long-life filter
OMF-340FK-VL

Applicable to
FANUC machinery
OMF-340FK-X
OMF-450FA

OMF
Super Filter Series

- For filtration of deionized water for wire electric discharge machine, internal pressure type

Model	Size (mm)	Quantity Per Pack	Connection
OMF-340FK-VL	φ 340 × 300H	2	Coupler
OMF-340FK-X	φ 340 × 300H	2	Coupler
OMF-450FA	φ 340 × 450H	2	Coupler

- For filtration of deionized water for wire electric discharge machine, internal pressure type

Model	Size (mm)	Quantity Per Pack	Connection
OMF-250A	φ 300 × φ 29 × 250H	2	Bore with Spacer
		4	Bore
OMF-250AK	φ 300 × 250H	2	Coupler
OMF-250A-4-2.6	φ 300 × φ 29 × 250H		Bore
OMF-300G	φ 300 × φ 46 × 300H		Bore
OMF-300AK	φ 300 × 300H		Coupler
OMF-340F	φ 340 × φ 46 × 300H		Bore
OMF-340FK	φ 340 × 300H		Coupler
OMF-340F-125	φ 340 × φ 46 × 300H		Bore
OMF-340FK-125	φ 340 × 300H		Coupler
OMF-500A	φ 300 × φ 29 × 500H		Bore
OMF-500AK	φ 300 × 500H		Coupler

NEW



450FA

Environment
conscious
product

**Reusable casing,
economic and environmental friendly**

NEW



Casing, Coupler type filter

Cassette Filter for filtration of deionized water for wire electric discharge machine. The inside filter is replaceable, and reduces the waste

OMF-340F, FK-C
(ABS resin top/bottom plate)

OMF
Super Filter Series

Main Feature

- New generation of highly-reputed long-life OMF series
- Smaller and lighter replaceable filter for reducing waste
- Filter is made from organic fiber and resin cover, contributes to reduce the waste disposal cost.
- OMF minimizes turbidity at the beginning of filtration and keeps water clear in the clean tank. It can improve the surface roughness of the fabricating materials, decrease the secondary discharge, and extend the life duration of ion-exchange resin.

- For filtration of deionized water for wire electric discharge machine, internal pressure type

Model	Size (mm)	Quantity Per Pack	Connection
OMF-340F-C	φ 340 × φ 46 × 300H	2	Bore
OMF-340FK-C	φ 340 × 300H		Coupler
OMF-340F-125C	φ 340 × φ 46 × 300H		Bore
OMF-340FK-125C	φ 340 × 300H		Coupler
340-C	SUS304 casing for cassette filter		

Please add "-C" at the end of the model No. for cassette filter.



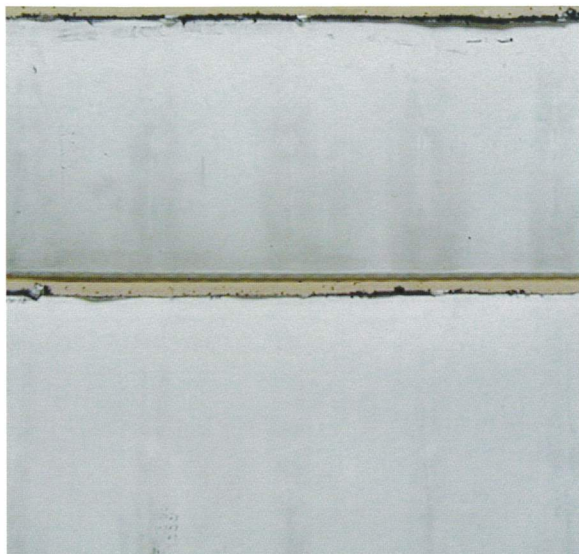
Please eject the used filter and remove the sludge after sun-drying. Please cut the filter into the following 3 parts before you dispose as industrial waste.

- top and bottom plate (ABS resin)
- side net (polypropylenesin)
- filter paper

Filter performance

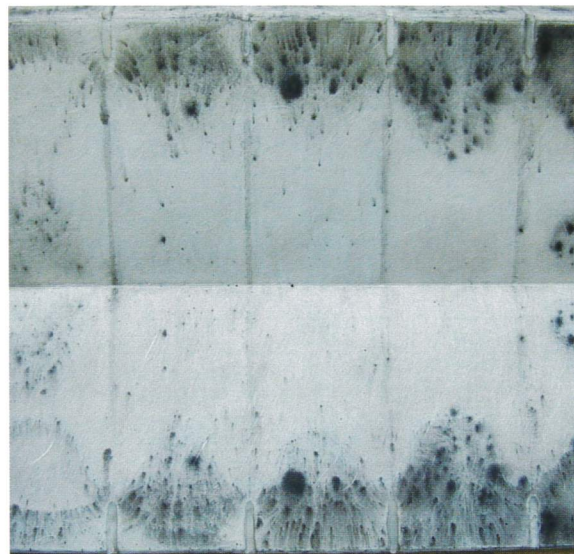
Comparison between OMF and other products

OMF



OMF SUPER FILTER OFFERS a high filtration performance so that the chips hardly pass through to the downstream of filter.

Other products



Other products let numerous chips pass through to the downstream.

Performance of OMF Super Filter at different fabricating materials

1. Ferrous metal

OMF has the best performance when the fabricating materials are steels (SK, S50, S55C, SKD) or stainless.

2. Aluminum

When the fabricating material is aluminum, viscous hydroxide is generated and it causes clogging in the filter and decreases its life duration.

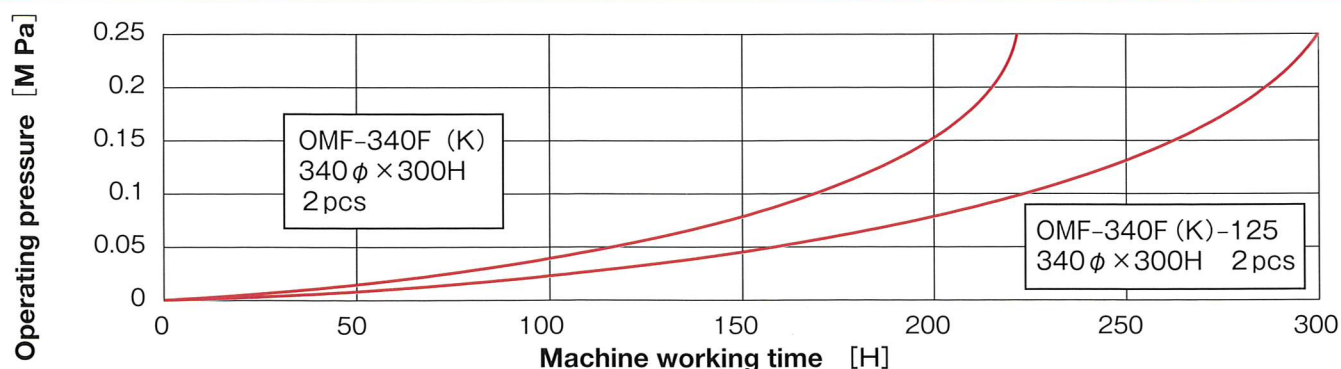
3. Hard Steel etc.

Hard steel alloy, titanium alloy, refractory alloy will generate micro particle during the machining and cause clogging in the filter, decreases filter duration.

■ Usage note

When the fabricating materials are non-ferrous metals such as aluminum, refractory metal, titanium alloy, or heat-resistant alloy, the life duration of the filter tends to decrease. In case please contact our agent or our sales staff.

Comperative chart of life duration



note: Life duration varies according to the environmental and usage condition.

●W-EDM Filter for deionized water Compatibility Chart

Maker	Applicable MA	Model No
Mitsubishi	DWC-(90, 90S, 90P, 110, 110S, 110P) A · B · S · Z · ZP	OMF-250AK, OMF-300AK OMF-500AK
	DWC-(70, 90, 90P, 110, 200) F · G · H · HA · U DWC-(90, 110) C1 · C2	OMF-250A, OMF-300AK
	SX-(10, 20) P	OMF-250A-4-2.6
	FX-(10, 20) K, CX (2, 20), DWC-532, BA-8	OMF-340FK, OMF-340FK-C
	FA-(10, 20, 30) S · V · VS MV-(1200, 2400) R, MV-(1200, 2400) S NA-(1200, 2400)	OMF-340FK-125 OMF-340FK-125C OMF-340FK-VL
	FA-(10, 20) P · PS, QA-(10, 20), PA-(05S, 20) NA-(1200, 2400)P	OMF-340FK-7-125 OMF-340FK-VL
Fanuc	W (1, 2, 3, 4)	OMF-340F, OMF-340F-C
	α-(0B, 1B, 0C, 1C, 0iA, 1iA), AD-(0, 1)	OMF-340F-125 OMF-340F-125C
	α-(0iB, 1iB, 0iC, 1iC, 0iCp, 0iD, 1iD, 0iE, 1iE)	OMF-340FK-125 Fanuc Coupler OMF-340FK-125C Fanuc Coupler OMF-340FK-X
	α-C400iA, 600iA	OMF-450FA
Sodick	A (300, 300W, 320, 320D, 325, 350, 350W, 500, 500W, 500Q, 500P, 500WP, 530D, 600, 600W, 600P, 600WP) A (750, 750W, 1000W), BF (250, 275, 280, 280L320L) AQ (325L, 535L, 550L, 600, 750L, 327L, 537L), AG (400L, 600L) SL (400, 600) G, AP500L, AQ (400, 600) L, AP450L (for Water)	OMF-340F OMF-340F-125 OMF-340F-125C
Makino	EE-(3, 6, 6L, 8), EQ-5, EH-(3, 6), EQH-5, EQF-5 MU-43, MUQ-32	OMF-250AK, OMF-500AK
	EC-(32, 64), ECQ-53, PF-32	OMF-250AK
	U-(32, 32i, 32K, 53, 53K, 53i), UP-(32i, 53i, 32j, 53j) W (32, 53) FB, SP-(43, 64), EU-64, UH-2, U-86) DUO (43, 64), UPJ-2, U-(3, 6)	OMF-340FK OMF-340FK-C
Seibu	EW-(A5, A5S, A7S, C3, 300K2, 450K2, 600K2, 700K2, 1000K2), EWPB3S	OMF-500AK
	EW-(A5S2, C5S, C5S2, M500S), M (350, 500, 750) S M (35, 50, 75) A, MM (35, 50, 75) A	OMF-340FK OMF-340FK-C
Brother	HS-(300, 350, 3100, 50A, 70A)	OMF-250A, OMF-500A
Hitachi	H-CUT (3, 4, 5, 6, 8)-Q CUT-(254RS, 355RS, 203M20, 203Q20, 203F2, 203R, 254R, 254RH, 355R, 355RH, 580Q, 610Q, 810Q)	OMF-340FK Hitachi Center Coupler OMF-340FK Hitachi Side Coupler

Note : The coupler size differs by the EDM manufacturer, especially HITACHI and FANUC. Please specify the coupler for each manufacturer at order.



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Sales agent

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Note: OMF is an abbreviated name of Oshitari Machine Filter. This is not a generic term of the product. Please beware of ambiguous description of copy/imitated products.

Note: Oshitari Laboratory's OMF filter is manufactured and quality-controlled throughly ONLY in our KITAKAMI plant, JAPAN. Please beware of copy products, or imitated using of our company logo.