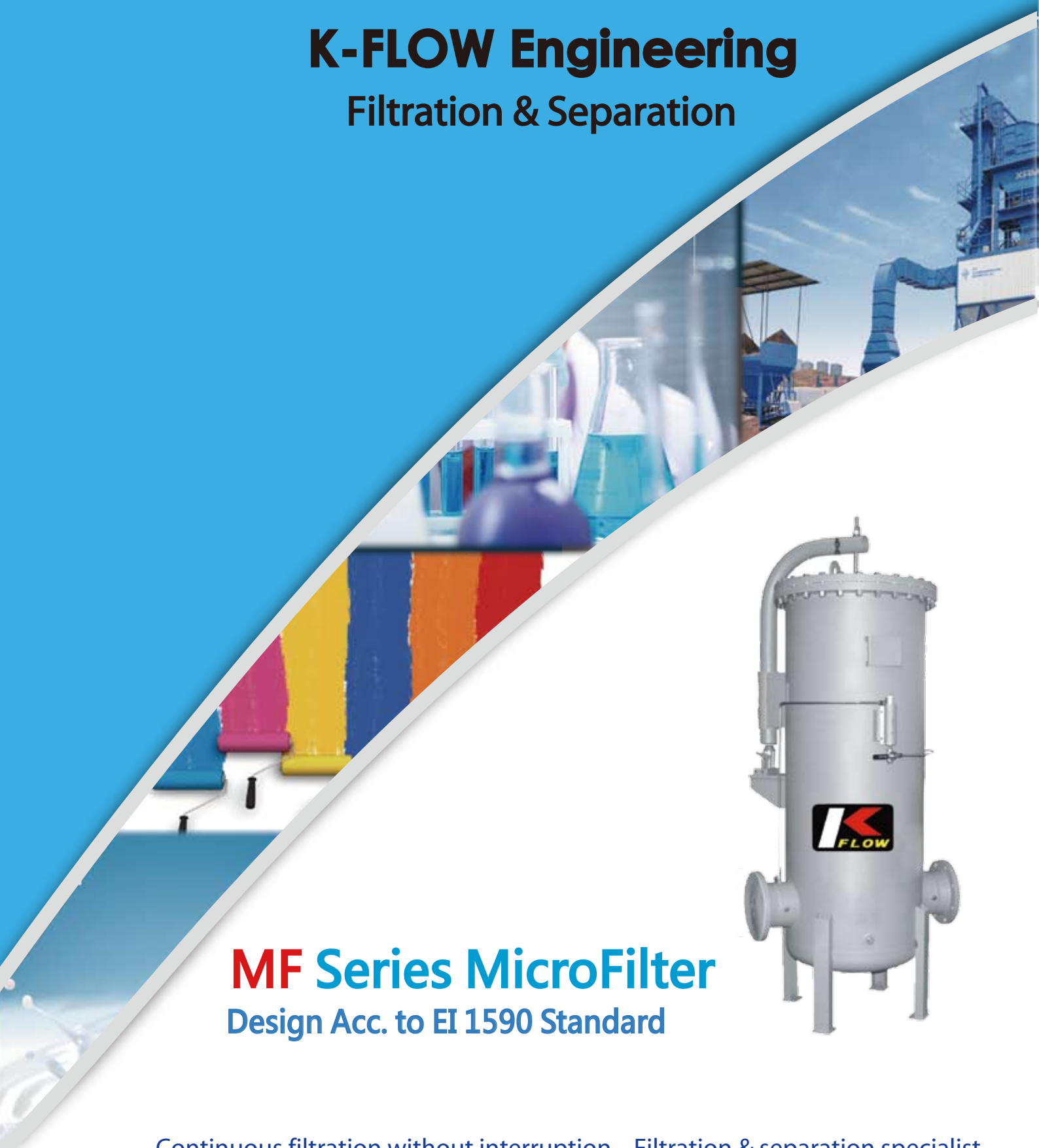
K-FLOW Engineering

Filtration & Separation



MF Series MicroFilter

Design Acc. to EI 1590 Standard

Continuous filtration without interruption Filtration & separation specialist

MF Series Micro-Filter for Jet A1 , JP1 , JP4 , JP8 , kerosene

Application：

MF Micro Filters are used wherever there is a demand for high quality , economic and reliable filtration .They are designed to continuously remove fine particulate such as rust , dirt , sand and pipe scale from fuel oil systems .

These highly efficient micro-filters are used at refineries , bulk fuel depots , transfer stations and airports predominantly prior to Filter/Separators to protect and prolong coalesce element life .

Design of construction ：

- Shell design：Acc. to the EI 1596 lately edition
- Filter elements –Selected EI 1590 lately edition Approved .
- Material：Carbon steel or stainless steel
- Design pressure ：ANSI 150-300LB or upon Requested .

Surface finish- Acc. to the EI 1541 protective coating . .

Maximum capacity：20,000 LPM，or upon request .

MF are designed with quick opening closure and equipped with [illegible] differential pressure indicator , drain valve , etc

Performance guarantee

Effluent fuel downstream of microfilter element shall contain less than 0.15 mg/L.

Media migration –Effluent fuel downstream of the microfilter element shall contain less than 10 fibres per litre .

Options ：

- Differential pressure switch , differential pressure transmitter ,sampling probe , etc.

Micro Filter Elements

MF Series Micro-filters
Are under the license of Faudi , Germany since 2014

Tested and approved in accordance with the 3rd. edition of EI 1590 .
Nominal micron rating : 0.5 ,1 ,2 and 5 μ m.
Chang-out differential pressure : 1.5 Bar
Test /Burst pressure : 5.2 Bar
Recommended service time : 24 months .
Recommended storage time : 24 months
Operating temperature : -30 to 80 ℃
Flow direction : Out-to-in
Outside diameter : 100 mm (4") , 152 mm (6")

Recommended flow rate

Model No.	Element		Flow rate to filter fineness (lpm)				Volume	Weight
	Q'ty	Φ	0.5μ m	1μ m	2μ m	5μ m	L	Kg
MF-1	1	4"	280	320	360	400	11	25
MF-3	3	4"	840	960	1,080	1,200	42	50
MF-4/1130	4	6"	1,760	2,240	2,720	3,200	340	310
MF-6/1130	6	6"	2,640	3,360	4,080	4,800	420	380
MF-7/1130	7	6"	3,080	3,920	4,760	5,600	490	450
MF-8/1130	8	6"	3,520	4,480	5,440	6,400	590	550
MF-9/1130	9	6"	3,960	5,040	6,120	7,200	710	650
MF-11/1130	11	6"	4,840	6,160	7,480	8,800	810	700
MF-12/1130	12	6"	5,280	6,720	8,160	9,600	970	800
MF-13/1130	13	6"	5,720	7,280	8,840	10,400	1,400	1,100
MF-15/1130	15	6"	6,600	8,400	10,200	12,000	1,950	1,200
MF-20/1130	20	6"	8,800	11,200	13,600	16,000	2,450	1,300

IK FLOW

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