

MMF Series

1-3" Water Filtration Systems

A.O. Smith MMF Series filtration systems are designed for a variety of applications including chlorine reduction, iron filtration, neutralization, and particulate reduction.



- High service flow rates
- Variety of filtration applications
- Piping systems from 1" to 3"
- Up to six units in multiple configurations
- Corrosion-resistant mineral tanks made from fiberglass-reinforced polyester
- Full adjustable cycling of regeneration
 - Alternate Cycle Sequencing (patented)
 - Water Efficient Technology (WET)
- Various filter medias available to fit any filtration application
- IQ2 technology
- Highly functional diagnostics
- NSF-certified components

Optional features:

- Progressive flow
- Headers and/or skid mounting
- Separate source backwash
- ASME tanks (18" and larger)
- Pressure differential
- "Backwash Air" technology
- Downloadable diagnostics

These systems are commonly used as pre-treatment to the MMF Series softeners or as stand-alone systems.

MMF Series "plug and play" accessories such as no hard water bypass and separate source regeneration allow for complex uses yet are easily operated and maintained. Robustly constructed, the fully assembled "stack" and piston design allows for years of reliable operation.

The MMF Series is available in multi-unit configurations to optimize flow rates and reduce waste. Each system is supplied as a complete package that is ready to assemble and install.



Code	Models	Pipe Size*		Service Flow Rate			
		Service	Drain	Superior		High	
				(m ³ /h)	Differential Pressure (Bar)	(m ³ /h)	Differential Pressure (Bar)
5003052	MMF100-8	1"	3/4"	0,5	0,3	0,8	0,6
5003053	MMF100-103	1"	3/4"	0,8	0,3	1,3	0,6
5003054	MMF100-105	1"	3/4"	0,8	0,3	1,3	0,6
5003055	MMF100-13	1"	3/4"	1,3	0,3	2,1	0,6
5003056	MMF100-14	1"	3/4"	1,5	0,3	2,5	0,6
5003057	MMF100-16	1"	3/4"	1,9	0,3	3,2	0,6
5003058	MMF100-18	1"	3/4"	2,5	0,3	4,1	0,6
5003059	MMF100-21	1"	3/4"	3,4	0,3	5,6	0,6
5003060	MMF125-105	1 1/4"	3/4"	0,8	0,3	1,3	0,6
5003061	MMF125-13	1 1/4"	3/4"	1,3	0,3	2,1	0,6
5003062	MMF125-14	1 1/4"	3/4"	1,5	0,3	2,5	0,6
5003063	MMF125-16	1 1/4"	3/4"	1,9	0,3	3,2	0,6
5003064	MMF125-18	1 1/4"	3/4"	2,5	0,3	4,1	0,6
5003065	MMF125-21	1 1/4"	3/4"	3,4	0,3	5,6	0,6
5003066	MMF125-24	1 1/4"	3/4"	4,4	0,3	7,3	0,6
5003067	MMF150-18	1 1/2"	1 1/4"	2,5	0,3	4,1	0,6
5003068	MMF150-21	1 1/2"	1 1/4"	3,4	0,3	5,6	0,6
5003069	MMF150-24	1 1/2"	1 1/4"	4,4	0,3	7,3	0,6
5003070	MMF150-30	1 1/2"	1 1/4"	6,8	0,5	11,4	1
5003071	MMF200-24	2"	1 1/2"	4,4	0,3	7,3	0,6
5003072	MMF200-30	2"	1 1/2"	6,8	0,5	11,4	1
5003073	MMF200-36	2"	1 1/2"	9,8	0,5	16,4	1
5001485	MMF200-42	2"	1 1/2"	13,4	0,5	22,3	1

Operating Limits

Pressure (psi) 30-100
 Vacuum None
 Temperature 40-100° F
 Electrical 220V/50-60 Hz

* Due to service and backwash flow rates, the 3" specification will be the same as the 2" specifications, with the exception of floor space requirements and shipping weights. Contact the manufacturer for more information.

Code	Models	Backwash Flow Rate (m ³ /h)	Media Volume (Liter)	Filter Tank Size (Diameter x H in cm)	Floor Space Requirements (W x H in cm)	Shipping Weight (Kg)
5003052	MMF100-8	0,9	14	8x35	22x111	23
5003053	MMF100-103	1,5	28	10x35	27x111	42
5003054	MMF100-105	1,5	37	10x54	27x157	55
5003055	MMF100-13	2,7	64	13x54	35x157	92
5003056	MMF100-14	3	90	14x65	38x185	134
5003057	MMF100-16	3,9	116	16x65	42x183	156
5003058	MMF100-18	4,8	154	18x65	51x193	215
5003059	MMF100-21	6,6	200	21x62	56x182	284
5003060	MMF125-105	1,5	37	10x54	27x157	55
5003061	MMF125-13	2,7	64	13x54	35x157	92
5003062	MMF125-14	3	90	14x65	38x185	134
5003063	MMF125-16	3,9	116	16x65	42x183	156
5003064	MMF125-18	4,8	154	18x65	51x193	215
5003065	MMF125-21	6,6	200	21x62	56x182	284
5003066	MMF125-24	8,7	282	24x72	61x210	366
5003067	MMF150-18	4,8	154	18x65	51x193	223
5003068	MMF150-21	6,6	200	21x62	56x182	292
5003069	MMF150-24	8,7	282	24x72	61x210	374
5003070	MMF150-30	13,8	440	30x72	82x243	595
5003071	MMF200-24	8,7	282	24x72	61x210	387
5003072	MMF200-30	13,8	440	30x72	82x247	608
5003073	MMF200-36	19,8	620	36x72	100x253	870
5001485	MMF200-42	26,7	780	42x72	109x269	1080

Operating Limits

Pressure (psi) 30-100
 Vacuum None
 Temperature 40-100° F
 Electrical 220V/50-60 Hz

NOTE: Contact manufacturer for additional sizes available. Manufacturer keeps the right to change the product design dimensions without further notice.

NOTE: Tank warranty is void if subject to vacuum. Consult manufacturer for optional operating parameters.

Optional system controller

When combined with IQ2 electronics, the system controller operates up to six units. The system diagnostics include real-time 90-day water usage, peak flow rate, totalizer, and much more.

This information is downloadable to a USB drive or viewable as live information with an Ethernet connection. With its battery backup, processor, and enclosure, information is held safe and secure.



The controller's display indicates a multitude of information at first glance including LED status indicators for online, standby, and regeneration modes.

Medias Available

With a wide range of filtration medias available, the C53 Series filtration systems can handle virtually any water problem.

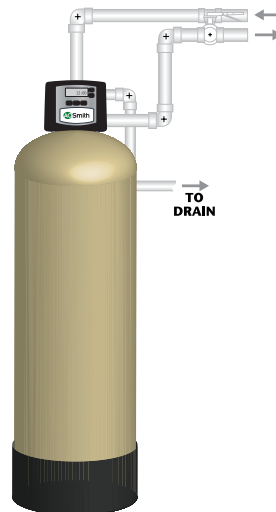
- **Activated Carbon (AC)** for the reduction of chlorine and chloramines
- **Turbidex (AG)** for particulate filtration
- **Cal/Cor (AN)** for acid neutralization
- **Greensand Plus (MG)** for iron reduction
- **Multi-layer (ML)** for particulate reduction
- **Birm (BM)** for iron reduction

Controllers

Each individual controller features IQ2 technology, which includes history and diagnostic information. MMF Series controllers are capable of "plug and play" technology, which incorporates no hard water bypass and separate source regeneration.

The 1" and 1.25" control valves are manufactured from Noryl® and offer extremely high flow rate characteristics. The 1.5" through 3" controllers feature solid lead-free brass construction and stainless steel meters.

All MMF Series systems feature one-piece cartridge and piston design for ease of service.



Typical single MMF Series system.
Call for engineered drawings of individual system(s).