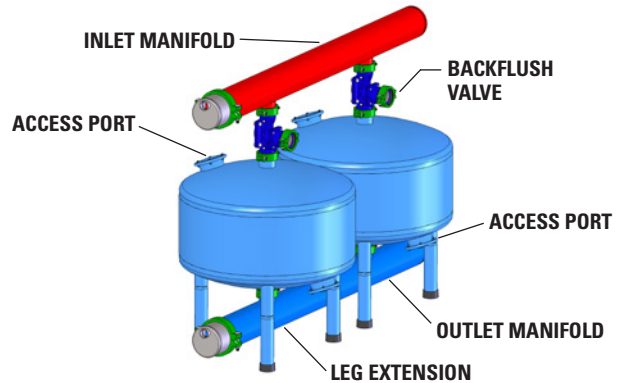


# SINGLE CHAMBER EPOXY COATED STEEL MEDIA FILTER

LARGER TOP ACCESS PORT & IMPROVED EXTERIOR COATING



## PRODUCT ADVANTAGES

- Single chambered filter allows for efficient filtration and backflush uniformity.
- Larger top access port makes loading media and conducting maintenance easier.
- Increased phenolic content in the tank's coating increases rust and corrosion resistance.
- Injection molded PVC underdrain system with mushrooms and V slots provides cleaning across the entire sand media bed.
- Modular manifolds for easy installation and expansion.

## APPLICATIONS

- Primary filter for water from open reservoirs and recycled water
- Filtration of water containing algae and other organic materials

## SPECIFICATIONS

- Flow Range: 200 to 374 GPM
- Maximum Operating Pressure: 90 psi
- Minimum Backflush Pressure Required: 29 psi downstream of filter during backflush
- Backflushing Flow Rate: 210 GPM
- 10" Diameter Access Port on Tank Dome Secured with Bolts
- Media Depth: 16"

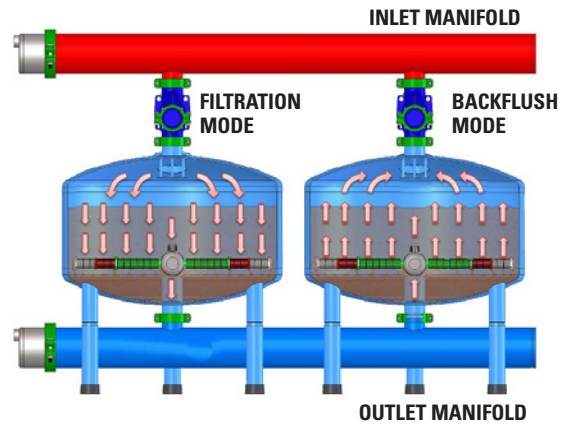
## MATERIALS

- Filter Body: Epoxy-coated Carbon Steel
- Underdrain Elements:
  - Injection molded PVC tubes with V slots of 0.02"
  - PVC tube with mushroom diffusers

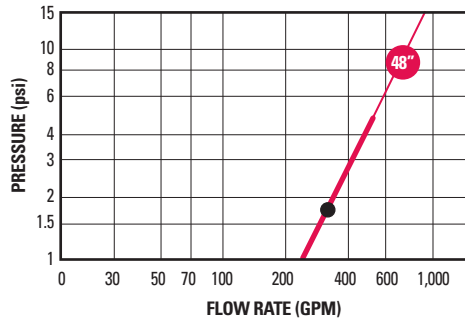
# EFFICIENT FILTRATION

## DESCRIPTION OF OPERATION

Water enters the filter via the inlet and spreads equally on the media. Dirt particles and organic materials are trapped in the media surface. The water that passes through and flows out via the filter elements will be free from dirt. The backflush cleaning process is done by shutting the inlet of the filter with the 3-way backflush valve and opening the drainage.



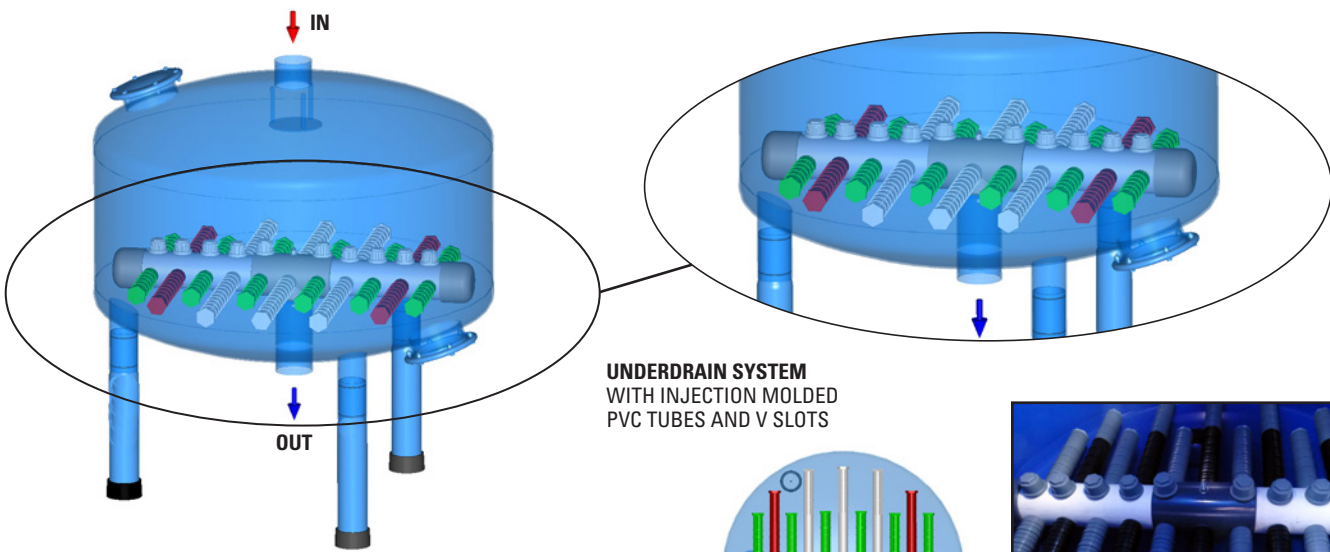
## HEADLOSS (FLOW VS. PRESSURE)



● AVERAGE POINT - HEADLOSS / FLOW RATE

## FLOW RANGE (GPM)

# FILTERS/SIZE	FLOW RANGE (GPM)
2 - 48"	400 - 750
3 - 48"	600 - 1,120
4 - 48"	800 - 1,500
5 - 48"	1,000 - 1,870
6 - 48"	1,200 - 2,245
8 - 48"	1,600 - 2,990

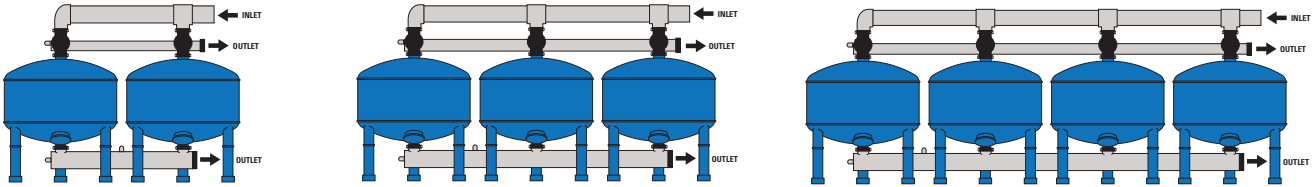


**UNDERDRAIN SYSTEM**  
WITH INJECTION MOLDED  
PVC TUBES AND V SLOTS

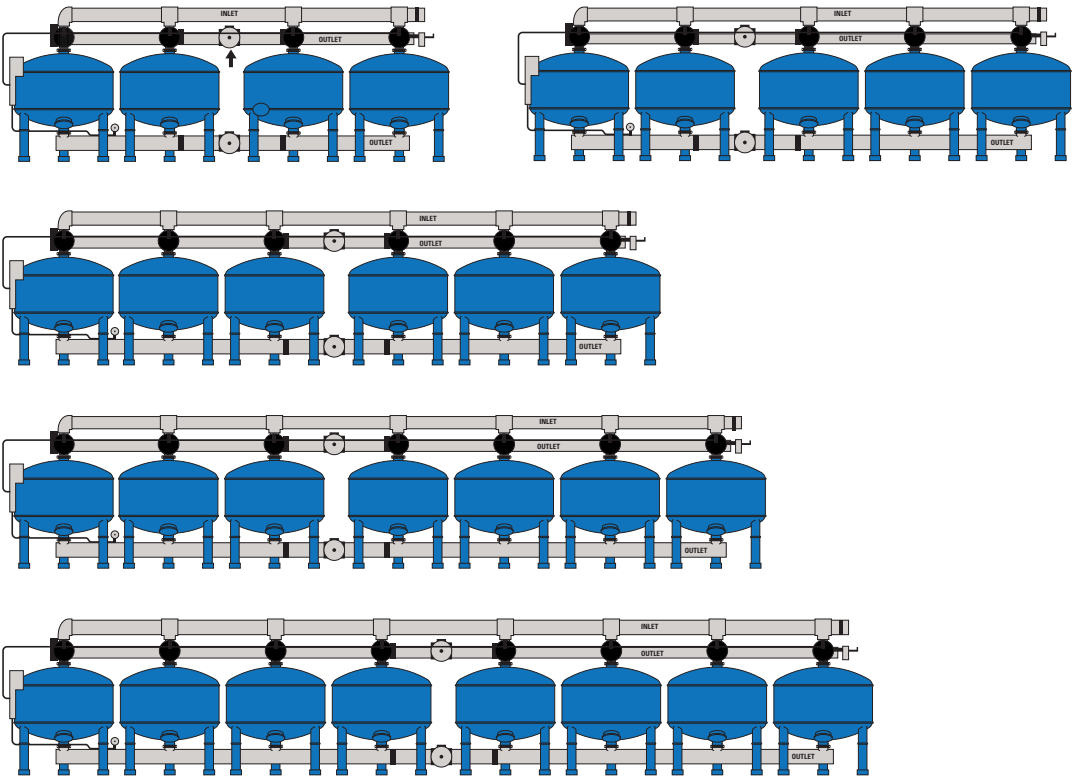


# INSTALLATION CONFIGURATIONS

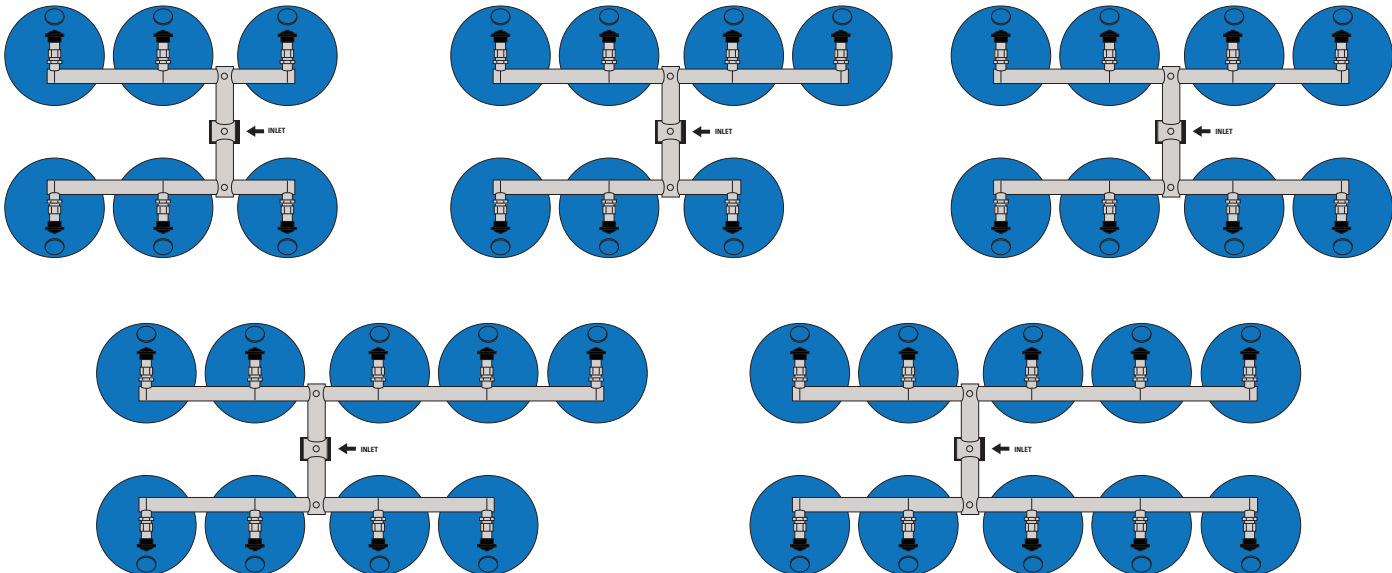
## END FEED INSTALLATION CONFIGURATIONS



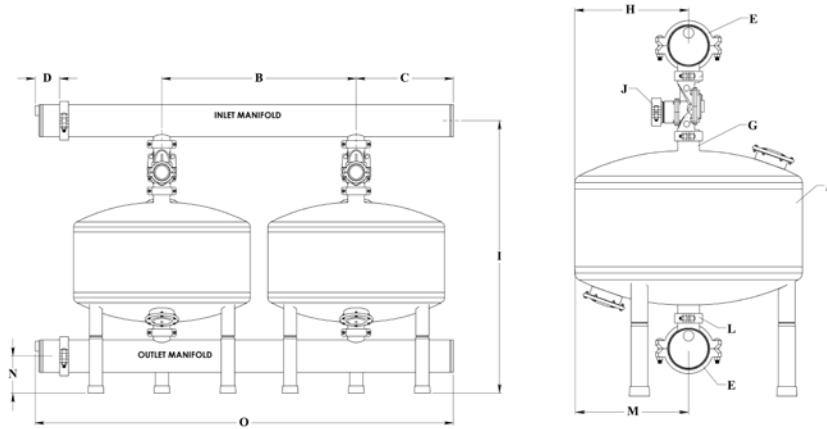
## CENTER FEED INSTALLATION CONFIGURATIONS



## H PATTERN INSTALLATION CONFIGURATIONS



# TECHNICAL & ORDERING INFORMATION



## TWO TANK SYSTEM SPECIFICATIONS

KEY	DESCRIPTION	48" TANK
A	TANK DIAMETER	48"
B	DISTANCE BETWEEN TANKS	51.9"
C	DISTANCE TO MANIFOLD END	25.98"
D	END CAP LENGTH	6.61"
E	INLET/OUTLET MANIFOLD	8"
G	INLET PORT FITTING	4" GR
H	INLET MANIFOLD LOCATION	24"
I	INLET MANIFOLD HEIGHT	72.72"
J	BACKFLUSH PORT FITTING	4" GR
L	OUTLET PORT SIZE	4" GR
M	OUTLET MANIFOLD LOCATION	24"
N	OUTLET MANIFOLD HEIGHT	9.84"
O	TOTAL LENGTH	111.88"
P	TOTAL WEIGHT (LBS.)	1140

## SPECIFICATIONS

TANK SIZE	FILTRATION AREA	MEDIA REQUIRED	TANK WEIGHT
48"	12.5 SQ. FT.	1,200 LBS.	400 LBS.

MEDIA REQUIRED refers to Crushed Silica Sand

## ORDERING INFORMATION

MODEL NUMBER	# FILTERS/SIZE
73MFSBS4802PBAAC	2 - 48"
73MFSBS4803PBAAC	3 - 48"
73MFSBS4804PBAAC	4 - 48"
73MFSBT4804PBAAC	4 - 48" TEE
73MFSBT4805PBAAC	5 - 48" TEE
73MFSBT4806PBAAC	6 - 48" TEE
73MFSBT4808PBAAC	8 - 48" TEE

## ORDERING - TANK ONLY

MODEL NUMBER	TANK SIZE
73MFS48GR-V2	48"



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