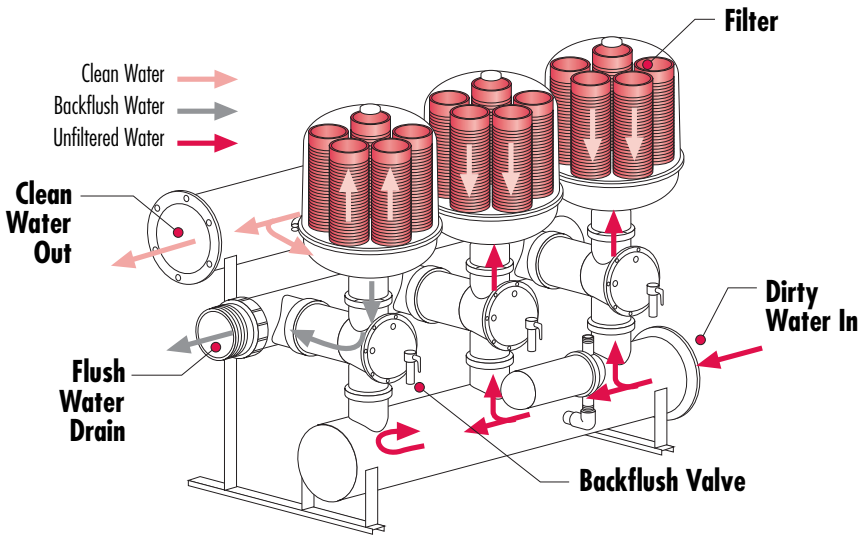
NETAFIM

Galaxy Disc-Kleen Filter Batteries

High Flow Water Filtration System



Filtration Process – Inlet opens allowing a flow of water from the inlet manifold into the filter, through the 5 elements of filtration, to the outlet manifold and out to the field.

Backflush Process – Inlet is closed. Drain port opens allowing clean water to flow from the outlet manifold in the opposite direction into the filter. The discs are cleaned, particles are flushed out from the filter through the drain manifold.

When the filters are loaded (with particles) the difference of pressure between the inlet and the outlet of the Galaxy rises. A differential pressure gauge detects the critical difference of pressure pre-programmed transmitting a signal to the control unit which begins the backflush process of the filters in the battery one after the other.

Only one filter at a time is cleaned, while the remaining filters in the Galaxy system continue to supply clean water to the downstream for the backflush process.

Product Advantages

- Polymer pods and polypropylene manifolds are corrosion-proof.
- Quality depth filtration from updated spines and filter elements for maximum performance and low maintenance.
- Removable blind flange on closed end of inlet manifold can be removed and installed on the open end providing installation flexibility.
- Automatic, self-cleaning, self-flushing system triggered by pressure differential and/or pre-set time.
- Short backflush cycle saves water with no interruption of flow.
- Flushing cycle has a regulated volume minimizing the use of flushed water and automatically cleaning the filter element.
- Modular design allows for easy system expansion.

Polymer Pods and Polypropylene Manifolds

Applications

- For surface and well water
- For systems requiring high volumes of water

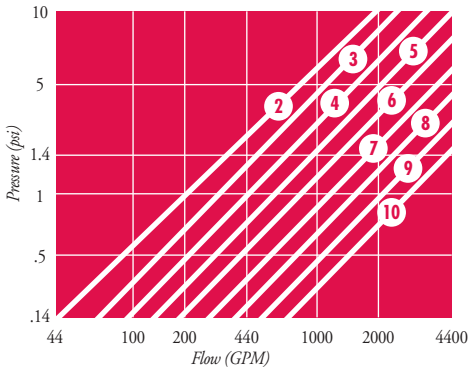
Specifications

Minimum operating pressure for filtration: 20 psi
Maximum operating pressure: 90 psi
Minimum operating pressure for backflushing: 40 psi downstream of filters
Backflush flow rate per unit @ 40 psi: 175 GPM
Maximum operating temperature: 158°
Includes drain manifold
Inlet/Outlet connections: Flange

Materials

Manifold: High Density Polypropylene
Filter Body and Cover: Blended Polymer Plastic
Backflush Valve: Plastic with Reinforced Polyamide

GALAXY DISC-KLEEN FILTERS
Headloss



STANDARD SIZES AVAILABLE

No. of Units	3	4	5	6
Max. Flow (GPM)	1,200	1,600	2,000	2,400

Larger sizes available through special order only.

DISC COLOR

Color	Blue	Yellow	Red	Black	Brown	Green
Mesh	40	80	120	140	200	280

NETAFIM™

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Galaxy Disc-Kleen Filter Batteries Technical Information

MAXIMUM RECOMMENDED FLOW RATES (GPM)

120 mesh

Water Quality	3 Units	4 Units	5 Units	6 Units	7 Units*	8 Units*	9 Units*	10 Units*
Good	1200	1600	2000	2400	2800	3200	3600	4000
Average	1100	1460	1825	2200	2560	2950	3300	3650
Poor	884	1179	1474	1769	2064	2358	2655	2950
Very Poor	541	722	902	1082	1263	1443	1623	1804

140 mesh

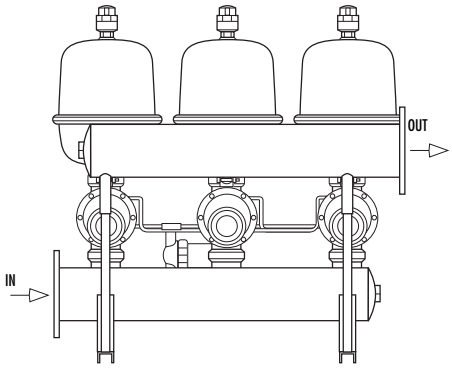
Water Quality	3 Units	4 Units	5 Units	6 Units	7 Units*	8 Units*	9 Units*	10 Units*
Good	1200	1600	2000	2400	2800	3200	3600	4000
Average	990	1300	1650	1980	2310	2640	2970	3300
Poor	660	880	1100	1320	1540	1760	1980	2200
Very Poor	436	581	726	871	1016	1162	1308	1454

*Larger sizes available by special order only.

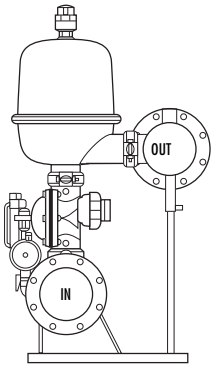
RECOMMENDED SET-UP

Flushing Time	15-20 Seconds
Dwell	10 Seconds
Between Flushing	4 Hours
P	7 psi

3 Unit Front View



Side View



MODEL NUMBERS AND DIMENSIONS

Model	Part Number	Length	Width	Height
3 Units	26MSKPP3-XXX	59"	34"	54"
4 Units	26MSKPP4-XXX	78"	36"	56"
5 Units	26MSKPP5-XXX	98"	36"	56"
6 Units	26MSKPP6-XXX	118"	38"	59"

Substitute XXX for proper mesh size.

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