



Netafim Performance Specifications

2" COMPACT DISC-KLEEN FILTER

Description

The 2" Compact Disc-Kleen Filter is an automatic self-cleaning filter using disc technology to achieve high filtration efficiency. The filter arrives completely assembled for easy installation. The filter is available with filtration grades of 40, 80, 120, 140, or 200 mesh. The 2" Compact Disc-Kleen Filter is available in AC or DC models. AC model uses 110VAC power. DC model uses 2-9VDC lithium batteries (PP3).

Construction

The 2" Compact Disc-Kleen Filter shall have 2" threaded inlet and outlet connections. The filter body shall be made of reinforced polyamide. The filter element shall be made of polypropylene discs stacked to a height of 10 ¼ inches. The discs will have grooves on both sides so that the grooves of one disc and the grooves of the disc immediately below it will cross at an angle of about 45 degrees. The 2" Backflush Valves are made of High Density Plastics.

Operation

The filter shall be capable of filtering suspended particles from water. The maximum operating pressure of the filter is 140 psi. The minimum pressure required for backflush will be 40 psi during backflush. The maximum flow for this filter is 80 GPM. The minimum flow required for flushing is 35 GPM. A low flow model is available that only requires 20 GPM for flushing.

The filter shall clean itself automatically when a pressure differential (PD) gauge triggers a built in backflush controller to initiate a backflush. The optimum setting for the PD gauge is 7 psi. The backflush controller will transmit an electric pulse to the solenoid that will command the backflush valves to change from filtration mode to backflush mode. During backflush, the discs shall separate and clean filtered water will spray towards the discs from 3 banks of nozzles that are located on a spine component inside of the discs. The flushing time shall be 20 seconds. During flush, there will be no water supplied downstream of the filter.

The end user will need to install a drain manifold that directs the dirty flush water to an area chosen by the end user (drain, sewer, back to the pond, river, canal, etc.).



Netafim Performance Specifications

2" AUTOMATIC DISC-KLEEN FILTER BATTERY (2, 3, OR 4-unit)

Description

The 2" Disc-Kleen Filter Battery is an automatic self-cleaning filter using disc technology to achieve high filtration efficiency. The filter arrives completely assembled for easy installation. The filter is available with filtration grades (mesh or micron rating) of 40, 80, 120, 140, or 200 mesh. The Filter shall have _____ (2, 3, or 4) filter bodies, each with one (1) filter element.

Construction

The 2" Disc-Kleen Filter Battery shall have 4" inlet and outlet manifolds with grooved connection ends. The manifolds shall be made from high density polypropylene. The filter body shall be made of reinforced polyamide. The filter element shall be made of polypropylene discs stacked to a height of 10 ¼ inches. The discs will have grooves on both sides so that the grooves of one disc and the grooves of the disc immediately below it will cross at an angle of about 45 degrees. The 2" Backflush Valves are made of reinforced polyamide. Each Backflush Valve shall have a normally closed solenoid installed to its bonnet.

Operation

The filter shall be capable of filtering suspended particles from water. The maximum operating pressure of the filter is 140 psi. The minimum pressure required for backflush will be 40 psi during backflush. The minimum flow required for flushing is 35 gpm.

The filter shall clean itself automatically when a pressure differential (PD) gauge triggers a backflush controller to initiate a backflush. The optimum setting for the PD gauge is 7 psi. The backflush controller will transmit an electric pulse to the 24-volt solenoid that will command the backflush valves to change from filtration mode to backflush mode. During backflush, the discs shall separate and clean filtered water will spray towards the discs from 3 banks of nozzles that are located on a spine component inside of the discs. The flushing time shall be 20 seconds. During flush, filtered water will continue to be supplied downstream of the filter. The filters will flush one at a time sequentially.

The end user will need to install a drain manifold to the Disc Kleen drain manifold that directs the dirty flush water to an area chosen by the end user (drain, sewer, back to the pond, river, canal, etc.).



Netafim Performance Specifications

3" AUTOMATIC DISC-KLEEN FILTER BATTERY (3, 4, or 5-unit)

Description

The 3" Disc-Kleen Filter Battery is an automatic self-cleaning filter using disc technology to achieve high filtration efficiency. The filter arrives completely assembled for easy installation. The filter is available with filtration grades (mesh or micron rating) of 40, 80, 120, 140, or 200 mesh. The Filter shall have _____ (3, 4, or 5) filter bodies, each with two (2) filter elements.

Construction

The 3 Disc-Kleen Filter Battery shall have 6" inlet and outlet manifolds with grooved connection ends. The manifolds shall be made from high density polypropylene. The filter body shall be made of reinforced polyamide. The filter element shall be made of polypropylene discs stacked to a height of 10 ¼ inches. The discs will have grooves on both sides so that the grooves of one disc and the grooves of the disc immediately below it will cross at an angle of about 45 degrees. The 3" Backflush Valves are made of reinforced polyamide. Each Backflush Valve shall have a normally closed solenoid installed to its bonnet.

Operation

The filter shall be capable of filtering suspended particles from water. The maximum operating pressure of the filter is 140 psi. The minimum pressure required for backflush will be 40 psi during backflush. The minimum flow required for flushing is 70 gpm.

The filter shall clean itself automatically when a pressure differential (PD) gauge triggers a backflush controller to initiate a backflush. The optimum setting for the PD gauge is 7 psi. The backflush controller will transmit an electric pulse to the 24-volt solenoid that will command the backflush valves to change from filtration mode to backflush mode. During backflush, the discs shall separate and clean filtered water will spray towards the discs from 3 banks of nozzles that are located on a spine component inside of the discs. The flushing time shall be 20 seconds. During flush, filtered water will continue to be supplied downstream of the filter. The filters will flush one at a time sequentially.

The end user will need to install a drain manifold to the Disc Kleen drain manifold that directs the dirty flush water to an area chosen by the end user (drain, sewer, back to the pond, river, canal, etc.).



Netafim Performance Specifications

GALAXY DISC-KLEEN FILTER BATTERY (3 to 12-unit)

Description

The Galaxy Disc-Kleen Filter Battery is an automatic self-cleaning filter using disc technology to achieve high filtration efficiency. The filter arrives completely assembled for easy installation. The filter is available with filtration grades (mesh or micron rating) of 40, 80, 120, 140, or 200 mesh. The Filter shall have _____ (3 to 12) filter bodies, each with five (5) filter elements.

Construction

The Galaxy Disc-Kleen Filter Battery shall have inlet and outlet manifolds with flanged connection ends. The manifolds, filter body, and filter cover shall all be made from high density polypropylene. The filter element shall be made of polypropylene discs stacked to a height of 10 ¼ inches. The discs will have grooves on both sides so that the grooves of one disc and the grooves of the disc immediately below it will cross at an angle of about 45 degrees. The 4" Backflush Valves are made of reinforced polyamide. Each Backflush Valve shall have a normally closed solenoid and plastic accelerator relay installed to its bonnet.

Operation

The filter shall be capable of filtering suspended particles from water. The maximum operating pressure of the filter is 140 psi. The minimum pressure required for backflush will be 40 psi during backflush. The minimum flow required for flushing is 175 gpm.

The filter shall clean itself automatically when a pressure differential (PD) gauge triggers a backflush controller to initiate a backflush. The optimum setting for the PD gauge is 7 psi. The backflush controller will transmit an electric pulse to the 24-volt solenoid that will command the backflush valves to change from filtration mode to backflush mode. During backflush, the discs shall separate and clean filtered water will spray towards the discs from 3 banks of nozzles that are located on a spine component inside of the discs. The flushing time shall be 20 seconds. During flush, filtered water will continue to be supplied downstream of the filter. The filters will flush one at a time sequentially.

The end user will need to install a drain manifold to the Galaxy drain manifold that directs the dirty flush water to an area chosen by the end user (drain, sewer, back to the pond, river, canal, etc.).