TechTALK

This month's edition of Netafim TechTALK focuses on Filtration.

We're happy to announce the addition of 3 new training videos for our Apollo Disc-Kleen Filters (listed below). The video links can be found on our website and YouTube channel.

Start-Up & Operation


Cleaning the Discs

Troubleshooting

In the troubleshooting video we talk about checking the command filter in the event that the filters fail to backflush. In installations with extremely poor water quality, like process or effluent wastewater, the command filter(s) may require constant attention. As an alternative to babysitting the command filter, compressed air can be used as a control source for all backflush (and PSNO) valve operations, bypassing the need for a command filter completely. Set the compressor's regulator 5 to 10 psi higher than your filter's inlet pressure. You'll want a compressor large enough to complete a full flush cycle without having to replenish mid flush (to minimize compressor starts and stops). The larger the filter group, the larger the compressor. The picture below shows a 20 gallon air compressor being used on a 16 station Apollo Twin.

If you don't use a pressure sustaining valve downstream of the filters, we'd like to mention a tip regarding the order in which your filters are flushed. Most backflush controllers (including Netafim's) start at filter #1 and progress one filter at a time until they reach the last filter in the cycle. When the first filter is told to flush, all of the other filters are dirty. This means that the first filter in the cycle never really gets a good cleaning (how can it, all of the other filters are dirty at this point in the cycle). As the cycle progresses, the remaining filters are flushed with cleaner and cleaner water. To remedy this, we suggest that users wire the first filter into the first AND last outputs of their backflush controller. This will ensure that the first filter gets flushed twice (first with low pressure and second with higher pressure).

For example, a group of four filters requires a backflush controller than can accommodate five stations. Connect a jumper wire from the 1st station to the 5th station and program the controller to operate five stations (note the blue wire in the example below). We also have an informative Netafim Backflush Controller Tutorial on our website if you need help reprogramming the unit.
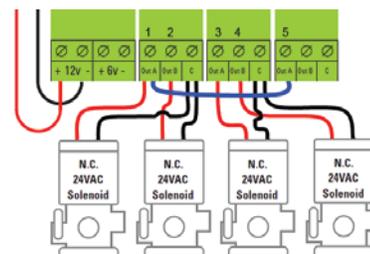
For additional questions, contact your Netafim District Sales Manager or Netafim Customer Service or visit our website.

If you have a suggestion for a future topic, we'd love to hear from you. Please e-mail your idea to communications@netafimusa.com. Thank you.