Water Filtration Simplified®

CARTRIDGE TANK® FILTRATION SYSTEM

The Green Filtration Series are electropositively charged dual gradient double pleated filtration solutions that successfully remove contaminants from 1 to 0.2 microns, featuring ENPRESS NanoAl™ media. The filters are designed with a larger 20 micron pre-filtration layer externally and the charged media internally, extending filtration level contamination and service life, while achieving high flow and low pressure drop.

The filters will outperform competitive filtration solutions in all turbidity applications including insoluble scale, Fe3, bacterial iron slime, colloidal solids, silt, rust, and other particle filtration, resulting in higher water quality and longer life of the filtration system.

Green Filtration Series

The Green Series of pleated filters features a thermally bonded blend of micro-glass fibers & cellulose, infused with nanoalumina fibers in a non-woven matrix that creates an electropositively charged depth filter media. When assembled into a pleated cartridge, our solution offers a unique combination of efficiency, capacity, flow rate, & low pressure drop that allow this nonwoven media to filter like a NF polymeric membrane, at levels unmatched in today's filtration marketplace. All filters feature the use of Agion® antimicrobial technology that provides built-in protection by working 24/7 resisting the growth of microbes.

Each filter comes with a unique handle designed top cap for lightweight and easy removal, a bag for proper disposal, and a double o-ring bottom connection into the **Cartridge Tank®** plumbing adapter for the 2½" assembly and full 1¼" PVC glue socket flow rate connections.

Available in two filter configurations:

CT-20xNanoAl™-AG: External 20 Micron Pleated pre-filter, with NanoAl™ Pleated Inner Filter w/ Agion® Biostat

CT-20xNanoAl™-PAC-AG: External 20 Micron Pleated pre-filter, with NanoAl™ PAC Pleated Inner Filter w/Agion® Biostat and Carbon Block Core

agion® is a trademark of Sciessent LLC, Wakefield, MA, USA

Features

- Dual Gradient Double Pleated Filters with electropositively charged NanoAl™ media
- Double Buna-N O-ring seals
- Filter Belly Bands
- PAC solution option
- Agion® antimicrobial technology

Benefits

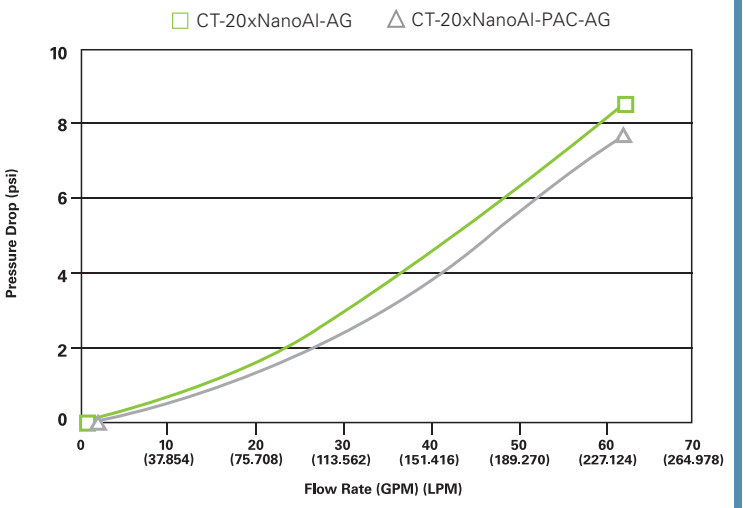
- Successfully remove contaminants from 1 to 0.2 microns
- Over traditional filtration include finer particle retention, higher flow rate and loading capacity, and lower pressure drop
- Ensures no bypass of contaminants and high chemical compatibility
- Prevent collapsing of filters under high flow or contaminant load applications
- Effective at reducing unwanted bad taste and odor from potable drinking water
- Provides built-in protection by working 24/7 resisting the growth of microbes

Applications

- Primary Filtration in lieu of microporous membranes
- Make Up Water (particulate, microbial control)
- Polishing Filters (carbon fines, emulsified oil removal)
- RO Prefiltration (SDI reduction)
- Process Water (turbidity, particulate, colloidal suspensions)
- Waste Water (biologicals, proteins, dyes)
- Cooling Towers, Chill Water Loops (iron removal)

GR

Filter Performance



Green Series Configuration

Item #: CT-1/4NPTLID

Top Cap option with pressure release Valve & Removal Handles

Item #: CT-2.5LID

2.5" Threaded top/bottom Res./LC Cap threaded connection.

Item #: CT-RETAININGRING

Snap Ring with I.D. Tag connection.

Item #: CT-2.5DRAIN
CT-2.5ADAPTER

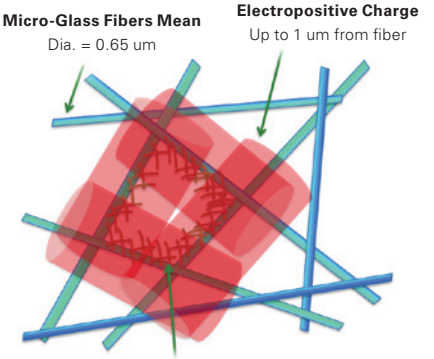
2.5" Bottom Drain Plumbing for Res./LC Filters.

Better Filtration - There's No Competition

Known foulants for RO membranes that are reduced by this adsorptive technology: Virus, bacteria, colloids (Iron, Manganese, Silica, etc), Cellular debris is also reduced: Lipids (hydrophobic and hydrophylic), Phospholipid,Proteins,Carbohydrates, and Glucose – mono and poly saccharides (TEP/EPS)

Data suggests adsorptive filter media could represent a significant improvement to membrane performance, life and overall operating cost by reducing fouling.

Additional filtration highlights include: Removal of Humic Acid based tannins; 3-4 log reduction, cyst removal; Endotoxin removal; Selected Heavy Metal Removal: Fe2, Fe3, Sn, Cu, Cr3, Al; Reduces Membrane fouling; Pre-, Post-, and Stand-Alone Filtration Solution



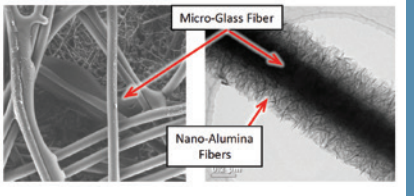
Mean Diameter: 2 nm | Mean Length: 200-300 nm

Easy Replacements - No Tools Means No Tools

PRESS THE RED PRESSURE RELIEF VALVE & PULL SNAP-RING

LIFT TOP CAP

Filter Close-up



Performance claims are based on independent lab results and manufacturer's internal test data. Actual performance is dependent on influent water quality, flow rates, system design and applications. Your results may vary. Micron ratings based on 85% or greater removal of a given particle size. Estimated capacity using 2ppm free chlorine with greater than 90% reduction. Flush new cartridges until water runs clear prior to use. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

ENPRESS LLC
Where Innovation Flows™

For more information, visit enpress.com
or oneFiltration.com

ENPRESS, LLC. | 34495 Melinz Parkway, Eastlake, OH 44095 | Phone 866.859.9274 | Fax 440.510.0202 | info@enpress.com

ONE® is an ENPRESS Filtration Technology

ELLC #002 - 03/2013