# CARTRIDGE TANK® FILTRATION SYSTEM

**ONE®**
Water Filtration Simplified®

The Red Filtration Series are high flow rate pleated filtration solutions for extended life and use, with filtration levels of 1 Absolute, 5, 20, 50, and 150 microns, along with an activated carbon (PAC) solution as well. The filters are designed with a large filtration layer, extending filtration level contamination and service life, while achieving high flow rates up to 150 GPM (568 LPM) and low pressure drop.

The filters will outperform competitive filtration solutions in all turbidity applications including silt, rust, and other particle filtration. The Red Series also provides lower shear water velocity as the raw water passes through the filter, allowing for more contact time and interaction with the extensive surface area of the filters. This results in higher water quality and longer life of the filtration system.

A direct replacement for expensive stainless steel housings used in commercial RO pre-filtration, Process Water, Cooling Towers, and other Commercial and Industrial applications, and exclusively designed for the Cartridge Tank®, these filters have significant surface area, low pressure drop, and high flow rate capabilities. The filters are ideal as polishing or pre-filters in applications requiring fine filtration and high capacity. Utilizing 100% cellulose free media and cleanable from 5 micron and up, these are the commercial filtration solutions of the future!

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 connection. All components and materials are manufactured from NSF 61 and FDA Certified materials.

### Available in two filter configurations:

**CT-COMM1A** – 1 Micron Absolute Pleated PP
**CT-COMM05** – 5 Micron PP Pleated
**CT-COMM20** – 20 Micron PP Pleated
**CT-COMM50** – 50 Micron PP Pleated
**CT-COMM150** – 150 Micron PP Pleated
**CT-COMM-CARB** – Pleated Activated Carbon

## Red Filtration Series

### Features

Durable and chemical resistant Polypropylene filter and cap construction

Double EPDM O-ring seals

Filter Belly Bands

Unique filter handle design

### Benefits

Extended service life, contaminant removal, and dirt holding capacity

Low pressure drop = high flow!

Insures no bypass of contaminants and high chemical compatibility

Prevent collapsing of filters under high flow or contaminant load applications

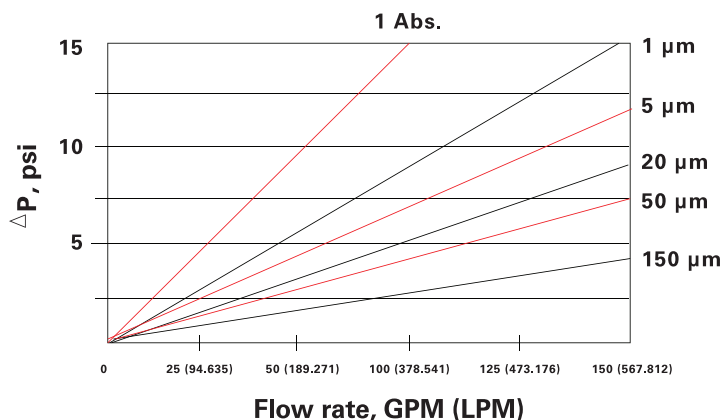Bacteria and chemical resistant

Ease of filter removal from housing

### Applications

Ideal for Residential, Food Service, Rental Fleets, Commercial and Industrial Applications

Make-up Water, RO Pre-filtration, Cooling Towers, Chill Water Loops, Metal Finishing

Process Water (turbidity, particulate, colloidal suspensions)

Community Water, Livestock, or Poultry, Water Systems

Replacement of bag filters with more surface area and capacity

Other water-based fluid solutions

## Filter Performance

**Low Pressure Drop ONE**™ filters are designed to minimize pressure drop by using 2″ pipe fittings and large diameter center tubes. (see chart for pressure drop data using pleated cartridges) LPM).

1 Abs.

$\triangle P$, psi

15

10

5

1 µm

5 µm

20 µm

50 µm

150 µm

| 0 | 25 (94.635) | 50 (189.271) | 100 (378.541) | 125 (473.176) | 150 (567.812) |

**Flow rate, GPM (LPM)**

## Red Series Configuration

Item #: CT-1/4NPTLID

Top Cap option with pressure release Valve & Removal Handles

Item #: CT-4.5LID

4.5″ Threaded top/bottom Commercial Cap threaded connection.

Item #: CT-RETAININGRING

Snap Ring with I.D. Tag connection.

Item #: CT-4.5DRAIN
CT-4.5ADAPTER

4.5″ Bottom Drain Plumbing for Commercial Filters.

## Better Filtration - There's No Competition

**Activated carbon** (PAC) filter for a service flow rate up to 15GPM (57 LPM) with a removal capacity up to 150,000 gallons, with a 90% chlorine reduction…improving taste, odor, sediment, and chlorine.

**Maximum pressure differential of 40 psi.**

**Maximum flow rate** of 1 Micron Absolute of 50 GPM (190 LPM).

**Maximum flow rate** of all other configurations of 150 GPM (568 LPM)

## Easy Replacements - No Tools Means No Tools

PRESS THE RED PRESSURE RELIEF VALVE & PULL SNAP-RING

LIFT TOP CAP

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. 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