



Culligan®



CTM

THE CULLIGAN® TOP MOUNT FILTER SERIES.



THE CULLIGAN® TOP MOUNT SERIES.

Superior **Flow**. Superior **Savings**.
Superior **Water** for **Commercial** and **Industrial Needs**.



HIGH PERFORMANCE

The **Culligan® Top Mount (CTM) Series** filter models use the latest Culligan control valve technology to offer **superior flow rates and long-lasting performance**.



HEAVY DUTY CONSTRUCTION

The **top-mounted control** is built to last! Constructed using heavy duty glass filled **Noryl plastic** the valve is corrosion resistant and has been tested in the most extreme operating conditions. The **CTM** valve has been designed to deal with problem waters such as high chloramines, heavy iron and other contaminants that other valves traditionally struggle with.



QUALITY ASSURED

As with all **Culligan** products, the **CTM** valve and system holds certifications for the highest international drinking water standards.



ADVANCED FEATURES AS STANDARD

- ✓ The **CTM** includes integrated **vacuum breakers and pressure relief valves** to protect the system from over pressurisation.
- ✓ Each unit is fitted with an integrated flow meter as standard
- ✓ Each **CTM** operates with the **Culligan Smart Controller** which provides users access to the **Culligan technology platform** of intercommunicating systems, remote monitoring and water and energy saving accessories.

CULLIGAN® ADVANTAGES

- GLOBAL PRODUCT PLATFORM WITH **FLEXIBLE MODULAR CONFIGURATIONS**
- EXCLUSIVE **CULLIGAN DESIGN**
- **FAST DELIVERY** – CULLIGAN IS PRESENT IN **90 COUNTRIES** AROUND THE WORLD
- **DESIGNED WITH TECHNICIANS IN MIND** – QUICK CONNECTIONS AND CLIPS ALLOWS FOR SIMPLE INSTALLATION AND EASY SERVICING
- EXCLUSIVE **CULLIGAN FEATURES**
 - Advanced Electronic Culligan Smart Controller
 - Single, Duplex and Progressive **Flow configurations**
 - Simple connection and control with other Culligan systems

MULTI-TANK CONFIGURATIONS

DUPLEX SYSTEM

In this mode **two filters operate alternately**, producing treated water **24** hours a day. When the first **filter** requires backwashing the second starts working automatically.

PROGRESSIVE FLOW

The **Culligan Smart Controller** allows automatic management of multiple **filter** units, bringing units on and off as required to meet peak flow demands.

Culligan CTM filters are available with media for the most common types of problem water. All media types meet international requirements for use in potable water treatment.

Turbidity & Suspended Solids	Filtr-clear Media (UF) Utilising Anthracite and silica sand based multi-layer media; high levels of turbidity, suspended solids and even low concentrations of heavy metals are removed.
Odor & Chlorine	Cullar Media (UR) Granulated Activated Carbon (GAC) is used in the removal of chlorine, colour and unpleasant tastes and odours, creating crystal clear and odourless water
Iron & Manganese	Cullisorb Super Iron Media (UFP) Selective catalytic multi-layer media for the removal of iron and manganese.
Arsenic	Cullax Media (UFX) This specific media reduces arsenic levels through the adsorption of arsenic and vanadium.

STANDARD FEATURES

- ✓ **Single or Multiple Tank Configurations available**
- ✓ **Normal flow rate up to 11 m³/h** (CTM Sand Filter UF 30").
- ✓ **Available in 4 types of standard media**, for turbidity, odour/chlorine, Iron/Manganese or Arsenic
- ✓ **Culligan Smart Controller** – advanced control manages the system with a full text display showing all operating parameters, as well as error messages and alarms.
- ✓ **Heavy-duty corrosion-resistant valve body** is certified to drinking water standards
- ✓ **Backwash cleaning** can be initiated by time, volume or differential pressure (if fitted with the pressure kit)
- ✓ **Designed for fast and easy servicing** - No special tools required
- ✓ **Control complies** with CUL, CE, UL 50/50E and UL 746C standards for NEMA 3R enclosure rating
- ✓ **Robust piston-valve technology** uses retained radial seals in the body for improved longevity and reliability that are ideal for challenging water conditions.

OPTIONAL FEATURES & ACCESSORIES

- **1.5" (optional) or 2" (standard) Flow adapters** are available to provide every **CTM** unit the flexibility to use different inlet pipe sizes with minimal impact to flow rates
- **Patented Progressive Flow** –Culligan's **Smart Controller** can monitor flow demands bringing additional filtration units on-line or offline as flows increase or decrease
- **Pressure kits** - Differential pressure switch and pressure gauges kit to start backwashes on pressure differential.
- **Smart Controller Wall mounting kit** – ideal for large / tall tanks, the control can be mounted separately for ease of use and visibility.
- **Remote Display**
- **RS232, RS485, Modbus PLC Output connection kits**

EXAMPLES OF FILTER APPLICATIONS

FOOD and BEVERAGE

Improved taste and water purification systems

OFFICE BUILDINGS

For heating plant pretreatment, tenant convenience, general housekeeping

LIGHT INDUSTRY

For process and make-up water, boiler and cooling system pretreatment, general housekeeping



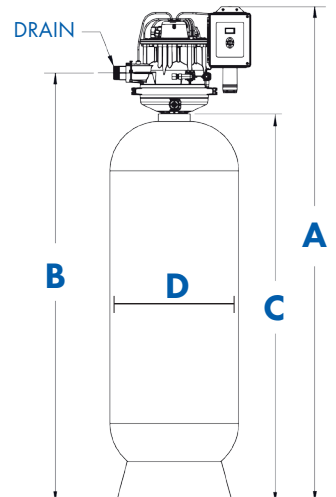
APARTMENT BUILDINGS, ASSISTED LIVING FACILITIES and HOTELS

RO, SOFTENER and DI PRETREATMENT

CAR WASHES

Quality results

CTM
THE CULLIGAN® TOP MOUNT SERIES.



CTM DEPTH FILTER (TURBIDITY REDUCING UF FILTR CLEAR MEDIA)

Model	Service flow rates		Backwash flow m ³ /hr	Media Qty kg	Pipe Size (inch)	Height A (mm)	Height In/ Out/drain B (mm)	Height Tank C (mm)	Tank Dia- meter D (mm)	Shipping Weight kg	Operating Weight kg
	Normal m ³ /hr @ Bar pressure drop	Peak m ³ /hr @ Bar pressure drop									
CTM UF 21	5,4 @ 0,3	8,1 @ 0,7	6.8	275	2	2045	1755	1575	533	335	570
CTM UF 24	7,3 @ 0,3	11 @ 0,6	11	450	2	2299	2009	1575	610	522	890
CTM UF 30	11,3 @ 0,5	17 @ 0,8	16	575	2	2299	2009	1829	762	702	1195

CTM CARBON FILTER (ODOR & CHLORINE REDUCING UR CULLAR MEDIA)

Model	Service flow rates		Backwash flow m ³ /hr	Media Qty kg	Pipe Size (inch)	Height A (mm)	Height In/ Out/drain B (mm)	Height Tank C (mm)	Tank Dia- meter D (mm)	Shipping Weight kg	Operating Weight kg
	Normal m ³ /hr @ Bar pressure drop	Peak m ³ /hr @ Bar pressure drop									
CTM UR 21	2,7 @ 0,1	5,4 @ 0,3	6.8	200	2	2045	1755	1575	533	235	400
CTM UR 24	3,6 @ 0,1	7 @ 0,3	11	350	2	2299	2009	1829	610	422	720
CTM UR 30	5,7 @ 0,2	11 @ 0,4	16	550	2	2299	2009	1829	762	680	1156

CTM SUPER IRON (IRON & MANGANESE UFP CULLSORB MEDIA)

Model	Service flow rates		Backwash flow m ³ /hr	Media Qty kg	Pipe Size (inch)	Height A (mm)	Height In/ Out/drain B (mm)	Height Tank C (mm)	Tank Dia- meter D (mm)	Shipping Weight kg	Operating Weight kg
	Normal m ³ /hr @ Bar pressure drop	Peak m ³ /hr @ Bar pressure drop									
CTM UFP 21	1,5 @ 0,3	3 @ 0,5	6.8	300	2	2045	1755	1575	533	360	615
CTM UFP 24	2,2 @ 0,3	4,5 @ 0,5	7.9	500	2	2299	2009	1829	610	572	975
CTM UFP 30	3,5 @ 0,3	7 @ 0,5	11.3	750	2	2299	2009	1829	762	880	1500

CTM ARSENIC FILTER (ARSENIC REDUCING UFX CULLAX MEDIA)

Model	Service flow rates		Backwash flow m ³ /hr	Media Qty kg	Pipe Size (inch)	Height A (mm)	Height In/ Out/drain B (mm)	Height Tank C (mm)	Tank Dia- meter D (mm)	Shipping Weight kg	Operating Weight kg
	Normal m ³ /hr @ Bar pressure drop	Peak m ³ /hr @ Bar pressure drop									
CTM UFX 21	2 @ 0,3	3 @ 0,5	3.4	325	2	2045	1755	1575	533	385	655
CTM UFX 24	3,4 @ 0,3	4,5 @ 0,5	4.5	500	2	2299	2009	1829	610	572	975
CTM UFX 30	4,5 @ 0,3	6,8 @ 0,5	6.8	800	2	2009	2009	1829	762	930	1585

Culligan®



Place your commercial and industrial water treatment needs in the hands of a global leader.

For over 80 years, Culligan has made better water. Our global network, comprised of 900+ dealers and international licensees in over 90 countries, is dedicated to addressing your water-related problems. As a worldwide leader in water treatment, our sales representatives and service technicians are familiar with the local water conditions in your area. Being global and local position us to deliver customized solutions to commercial and industrial water issues that affect your business and your bottom line.

Contact your local Culligan representative for more details

Culligan reserves the right to change any technical or design specifications for the models shown in this brochure.