



**Minitron** is our smallest multi-purpose catalytic treatment system - designed with versatility in mind. Launched in 1991 and manufactured in the UK, it **reduces & prevents limescale build-up** in a variety of applications. Minitron is designed for **low flow systems and point of use (POU) applications** such as ice machines, coffee machines and dishwashers.



### Benefits

- ✓ Prolongs the life of water using applications
- ✓ Small, compact and versatile - great for POU applications
- ✓ 10 year pro-rata warranty
- ✓ Reduces energy consumption and bills
- ✓ Improves carbon footprint

### Materials of construction

- ✓ Stainless steel housing
- ✓ Non-sacrificial catalytic semi precious alloy (lead free)

### Regulatory

- ✓ WRAS Approval No: 240102702

### Life expectancy

- ✓ Dependant on use, a minimum of 10 years service can be expected, however it is not uncommon for our conditioners to last between 15-25 years +

### Applications

- ✓ Dentist chairs
- ✓ Hot water systems
- ✓ Humidifiers
- ✓ Heat pumps
- ✓ HVAC systems
- ✓ Urinals
- ✓ General system protection (pipes valve protection)
- ✓ Pump protection
- ✓ Underfloor heating
- ✓ Mixing valves
- ✓ Heat exchangers
- ✓ Washing machines
- ✓ Dish & glass washers
- ✓ Ice machines
- ✓ Car wash systems
- ✓ Boilers
- ✓ Coffee machines
- ✓ Dishwashers
- ✓ Solar panel systems
- ✓ Fountains / swimming pools



#### Green technology

- No power
- No electrical connections
- No chemicals
- No consumables
- No waste water



#### Peace of mind

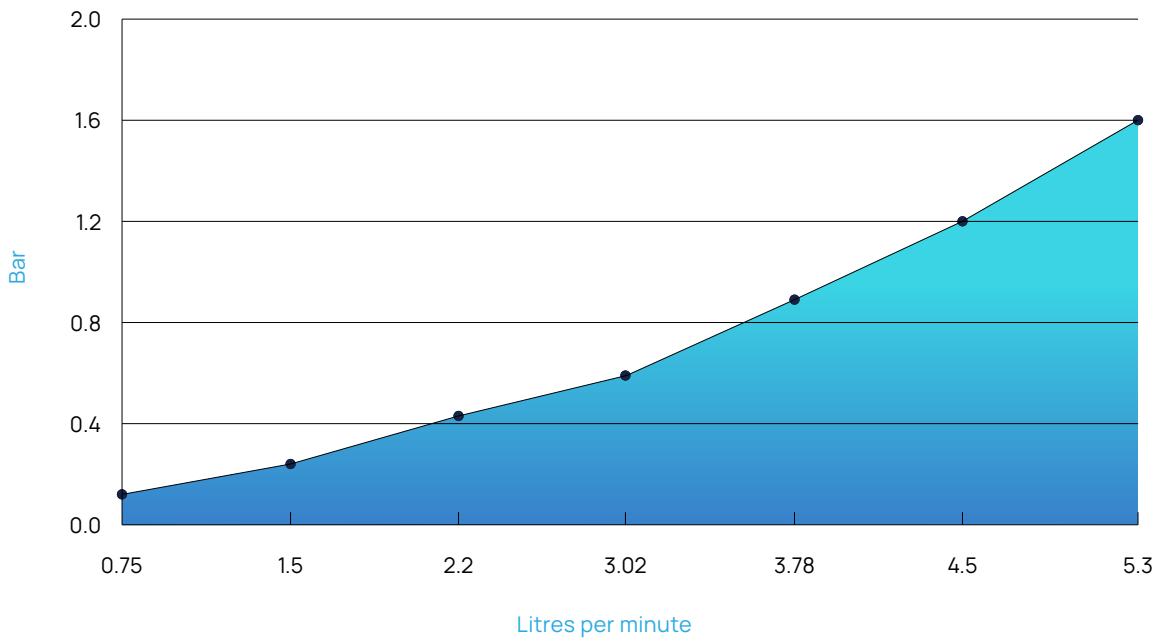
- No maintenance
- No servicing
- No earthing or bonding required
- No control box to mount

## DATA TABLE

Product code	Description	Connection type	Suitable for pipe diameter	Max temp (°C)	Max pressure* (bar)	Optimal flow range (lpm)	Length (mm)	Weight (kg)	Housing materials
MNT8P	Minitron 8	8mm	8mm	100	16	0-7.5	100	0.06	<b>External:</b> stainless steel housing & connections. <b>Internal:</b> FD catalytic galvanic alloy
MNT8/10BS	Minitron 10	¾" BSP Male	¾" (DN10) ½" (DN15)	100	16	0-7.5	100	0.06	<b>External:</b> stainless steel housing & connections. <b>Internal:</b> FD catalytic galvanic alloy
MNT8/15BS	Minitron 15	½" BSP Male	½" (DN15) ¾" (DN20)	100	16	0-7.5	100	0.06	<b>External:</b> stainless steel housing & connections. <b>Internal:</b> FD catalytic galvanic alloy
MNT8/20BS	Minitron 20	¾" BSP Male	¾" (DN20) 1" (DN25)	100	16	0-7.5	100	0.06	<b>External:</b> stainless steel housing & connections. <b>Internal:</b> FD catalytic galvanic alloy

\*higher pressure units available upon request

## PRESSURE LOSSES



- ⦿ All of our conditioner systems have internal components designed to minimise resistance as water passes through
- ⦿ Correctly installed conditioners will have a negligible impact on pressure drop - to a maximum of 2%

## INSTALLATION GUIDE

### Sizing

- ✓ Size matters - selecting the right conditioner is critical
- ✓ Selecting the wrong size conditioner - including using a larger diameter than needed - can compromise water delivery and affect treatment quality
- ✓ Conditioner size should be selected based on **flow rate**
- ✓ In general applications where the flow rate is known to be low or there is relatively heavy scale build-up inside the pipe already. In this instance, a conditioner 1 size smaller than the pipe diameter is recommended

### Installation

- ✓ Vertical or horizontal: all of our conditioners, including the Minitron can be installed both vertically and/or horizontally
- ✓ The Minitron is supplied with plain ends, but can be provided with any fitting option required so it can be mated to all pipework materials
- ✓ Zero footprint: the Minitron replaces a small section of pipework and can be specified without the need to make provision for floor space or power
- ✓ Can be installed in PVC / ABS / copper / steel systems

FD-MT-DS-21 (11/2025)

## Fitting options

Fluid Dynamics has a wide range of connection options available - please ask

 **UK: BSPT CONNECTIONS (DN10 - DN25)**

½" BSPT (British Standard Pipe Tapered) threads  
These conform to BSP (British Standard Tapered)

 **USA: NPT CONNECTIONS (DN10 - DN25)**

½" NPT (National Pipe Taper) Male & Female Threads  
These conform to ANSI / ASME Standard B1.20.1

PLEASE NOTE: The use of di-electric fittings is not necessary when specifying a Fluid Dynamics catalytic product

IMPORTANT - once the application of the Minitron is understood, please communicate this to us and we will recommend the most suitable fitting option

### CERTIFIED BY



### PROVEN BY

