



**Limetron** is our affordable residential conditioner, specifically developed for the UK household market in 1991. It offers an unrivalled package of effectiveness and ease of use, plus it enables **compliance with Part L Building Regulations in the UK**. Limetron **reduces & prevents limescale build-up** in a variety of residential and domestic applications. It also **improves efficiency** and **extends the lifespan of heating equipment and water systems** - making it one of the most versatile conditioners on the market. The Limetron model is based on Fluid Dynamics' highly successful catalytic water conditioning systems - Colloid-a-tron and Scaletron - which are widely used in commercial and industrial applications around the world.



## Benefits

- ✓ Whole house treatment
- ✓ Prolongs the life of water using applications and heating systems
- ✓ Reduces limescale build-up in pipes, valves, pumps and heating elements
- ✓ Reduces energy consumption generating cost savings
- ✓ Environmentally friendly - reduces carbon emissions - green technology for the future
- ✓ Strong & safe - manufactured using stainless steel - corrosion resistant
- ✓ Easy to install - horizontally or vertically
- ✓ Cost effective, proven and sustainable
- ✓ 10 year pro-rata warranty
- ✓ Improves carbon footprint

## Materials of construction

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

## 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

- ✓ Whole house protection
- ✓ Boilers & hot water systems
- ✓ Power or electric showers
- ✓ Washing machines
- ✓ Dishwashers
- ✓ Instant water heaters
- ✓ Fountains & water features

## Regulatory

- ✓ WRAS: approval No. 240102702



### 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

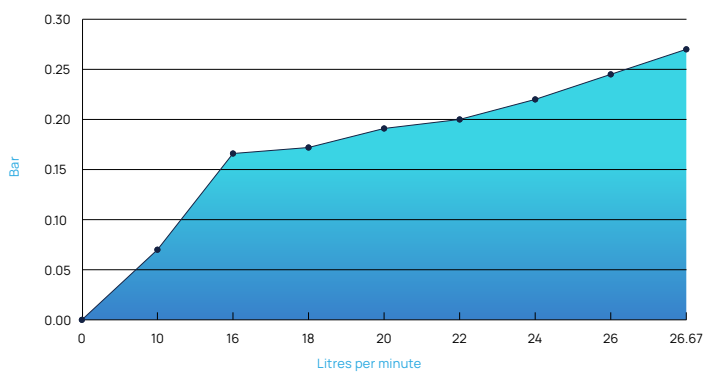
## DATA TABLE

| 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                                                                                                                          |
|--------------|-------------|-----------------|----------------------------|---------------|---------------------|--------------------------|-------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| LTN15BS      | Limetron 15 | ½" BSPT         | ½" (DN15)<br>¾" (DN20)     | 100           | 16                  | 3-25                     | 215         | 0.3         | <b>External:</b> stainless steel housing & connections.<br>Plastic sleeve - ROHS compliant<br><b>Internal:</b> FD catalytic galvanic alloy |
| LTN20BS      | Limetron 20 | ¾" BSPT         | ¾" (DN20)<br>1" (DN25)     | 100           | 16                  | 24-54                    | 245         | 0.5         | <b>External:</b> stainless steel housing & connections.<br>Plastic sleeve - ROHS compliant<br><b>Internal:</b> FD catalytic galvanic alloy |
| LTN25BS      | Limetron 25 | 1" BSPT         | 1" (DN25)<br>1 ¼" (DN32)   | 100           | 16                  | 45-90                    | 260         | 0.7         | <b>External:</b> stainless steel housing & connections.<br>Plastic sleeve - ROHS compliant<br><b>Internal:</b> FD catalytic galvanic alloy |

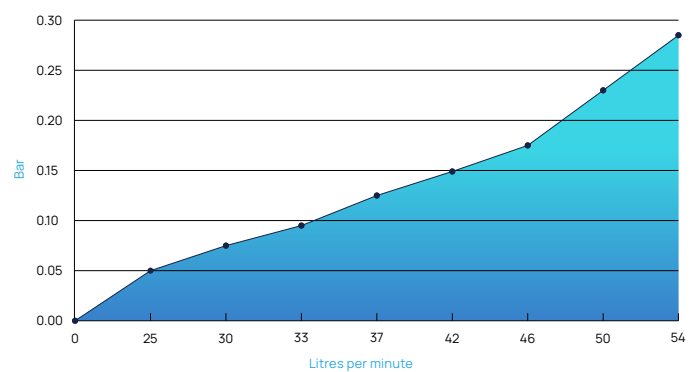
\*higher pressure units available upon request

## PRESSURE LOSSES

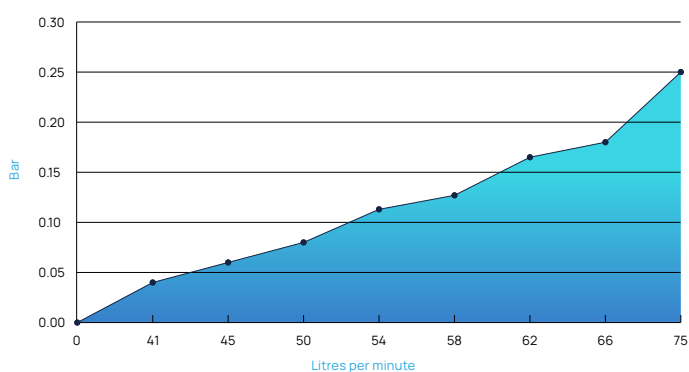
DN15 (½") PRESSURE DROP GRAPH



DN20 (¾") PRESSURE DROP GRAPH



DN25 (1") PRESSURE DROP GRAPH



- Both our catalytic and combination (dual) systems have internal components designed specifically 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

### Fitting options

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

#### COMMON THREADS

 UK: BSPT CONNECTIONS (DN15 TO DN25)

1/2" to 1" BSPT (British Standard Pipe Tapered) threads

These conform to BSP (British Standard Tapered)

INSTALLATION: Our conditioners can be installed both vertically and/or horizontally



FD-LT-DS-2.4 (08/2026)

#### CERTIFIED BY



#### PROVEN BY

