LIMETRON®

since 1973 FLUID DYNAMICS

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

Applications

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

Materials of construction

- ✓ Stainless steel housing
- ✓ Non-sacrificial catalytic semi precious alloy (lead free)
- ✓ Green plastic sleeve - approved to UL 224 VW-1 & ROHS Compliant

Regulatory

- ✓ WRAS: approval No. 1812309

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 +

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

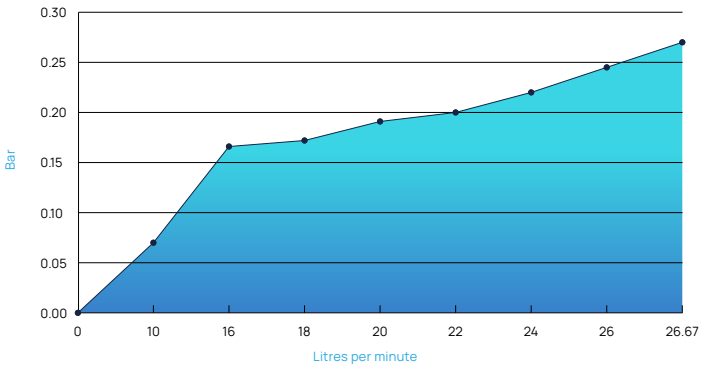
DATA TABLE

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

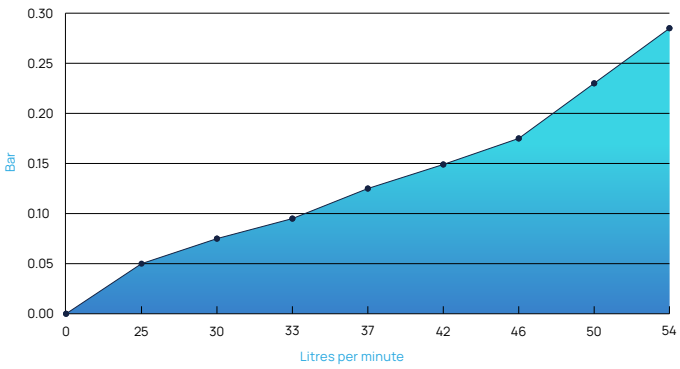
*higher pressure units available upon request

PRESSURE LOSSES

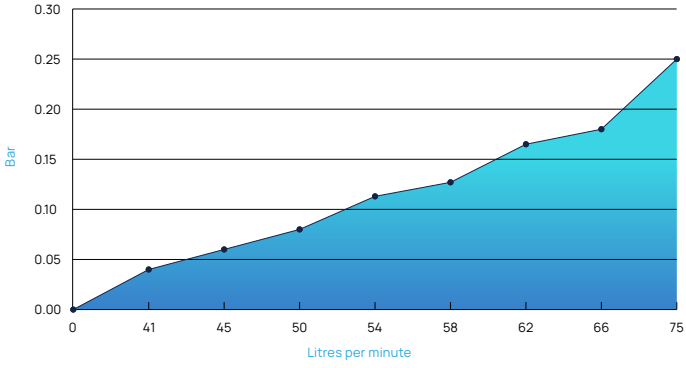
DN15 (½") PRESSURE DROP GRAPH



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

CERTIFIED BY

kiwa WRAS GSA Water Quality Association

PROVEN BY

Politechnika Wrocławska · Brunel University London · Trinity College Dublin · University of Reading · HARWELL · TEXAS A&M UNIVERSITY