LIMETRON® PREMIUM

FLUID DYNAMICS since 1973

UK MANUFACTURER

Limetron Premium is a high-capacity residential water conditioner engineered for UK homes in hard water areas. Powered by **patented catalytic technology,** it reduces existing limescale and prevents new hard scale forming in pipework, boilers, heat exchangers and appliances.

Installed directly into the incoming mains, Limetron Premium provides whole house limescale protection **without salt, chemicals, power, drainage, consumables or routine maintenance.** It retains healthy natural minerals, supports compliance with Part L Building Regulations and is WRAS approved.

Benefits

- ✓ Whole house limescale protection
- ✓ Reduces existing limescale and prevents new hard scale forming
- ✓ Prolongs the life of water-using appliances and heating systems
- ✓ Helps improve efficiency and reduce energy consumption
- ✓ Retains healthy natural minerals
- ✓ No salt, chemicals, power, drainage or consumables
- ✓ Easy to install — horizontally or vertically
- ✓ Minimal impact on water pressure when correctly sized and installed
- ✓ 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)

Regulatory

- ✓ WRAS: Approval No. 240102726

Life expectancy

- ✓ Dependent 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

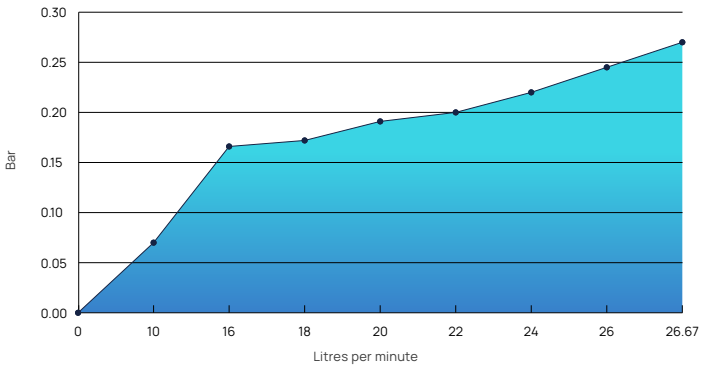
DATA TABLE

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
LTNP15BS	Limetron Premium 15	½" BSPT	½"(DN15) ¾"(DN20)	100	16	3-25	270	0.7	**External:** stainless steel housing & connections. **Internal:** FD catalytic galvanic alloy
LTNP20BS	Limetron Premium 20	¾" BSPT	¾"(DN20) 1"(DN25)	100	16	24-54	300	1.0	**External:** stainless steel housing & connections. **Internal:** FD catalytic galvanic alloy
LTNP25BS	Limetron Premium 25	1" BSPT	1"(DN25) 1 ¼"(DN32)	100	16	45-90	325	1.7	**External:** stainless steel housing & connections. **Internal:** FD catalytic galvanic alloy

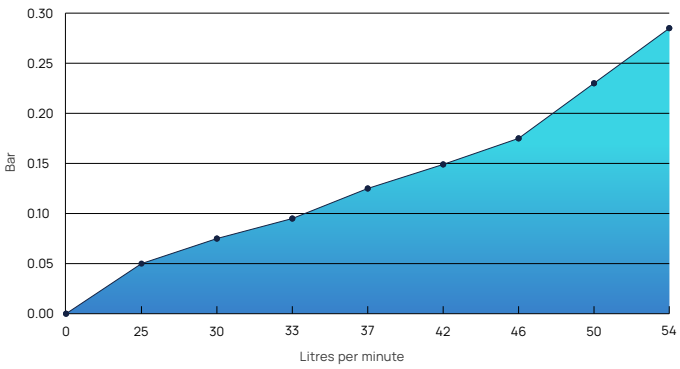
*higher pressure units available upon request

PRESSURE LOSSES

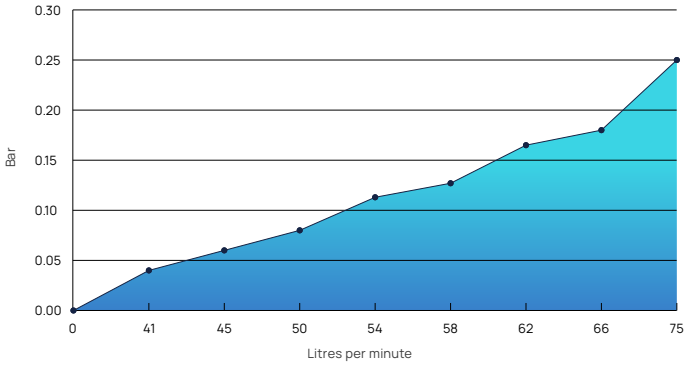
DN15 (½") PRESSURE DROP GRAPH



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%

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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 **simultaneous water demand**
- ✓ 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

Product size	Optimum flow range	Sizing guide
1/2"	3-25 L/min	Typically suited to 3–4 bedroom homes with 3–4 occupants
3/4"	24–54 L/min	Typically suited to larger 4 bedroom homes with 4–5 occupants
1"	45–90 L/min	Typically suited to 5+ bedroom homes with 6+ occupants

Fitting options

We have a wide range of connection options available - please ask

COMMON THREADS

BSPT CONNECTIONS (DN15 TO DN25)

1⁄2" to 1" BSPT (British Standard Pipe Tapered) threads
These conform to BSP (British Standard Tapered)

INSTALLATION: Limetron Premium can be installed both vertically and/or horizontally

FD-LTP-DS-1.2 (10/2026)

PROVEN BY

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WRAS APPROVED PRODUCT