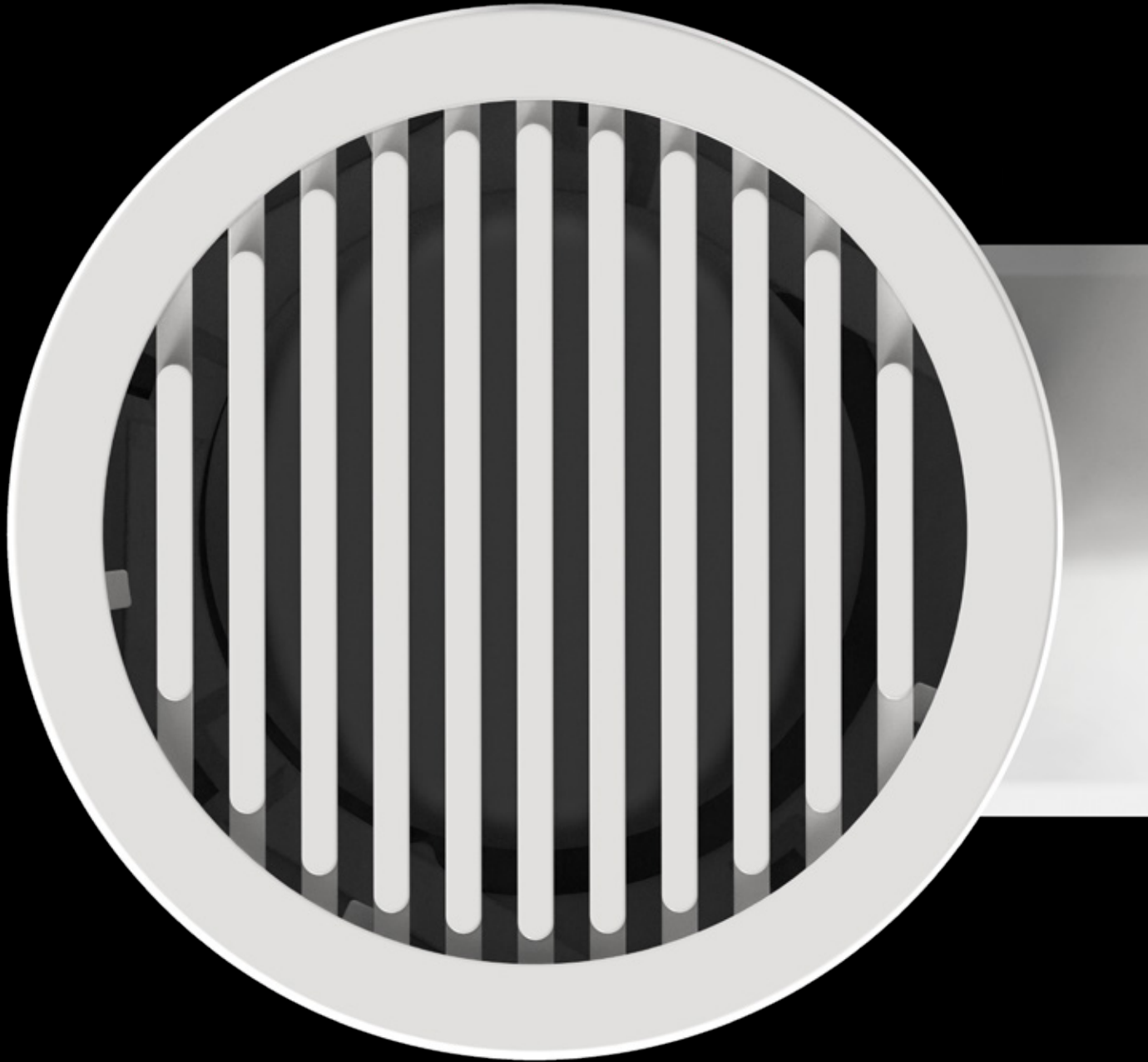


TL1

Piero Linx



The first Design thermostatic head.

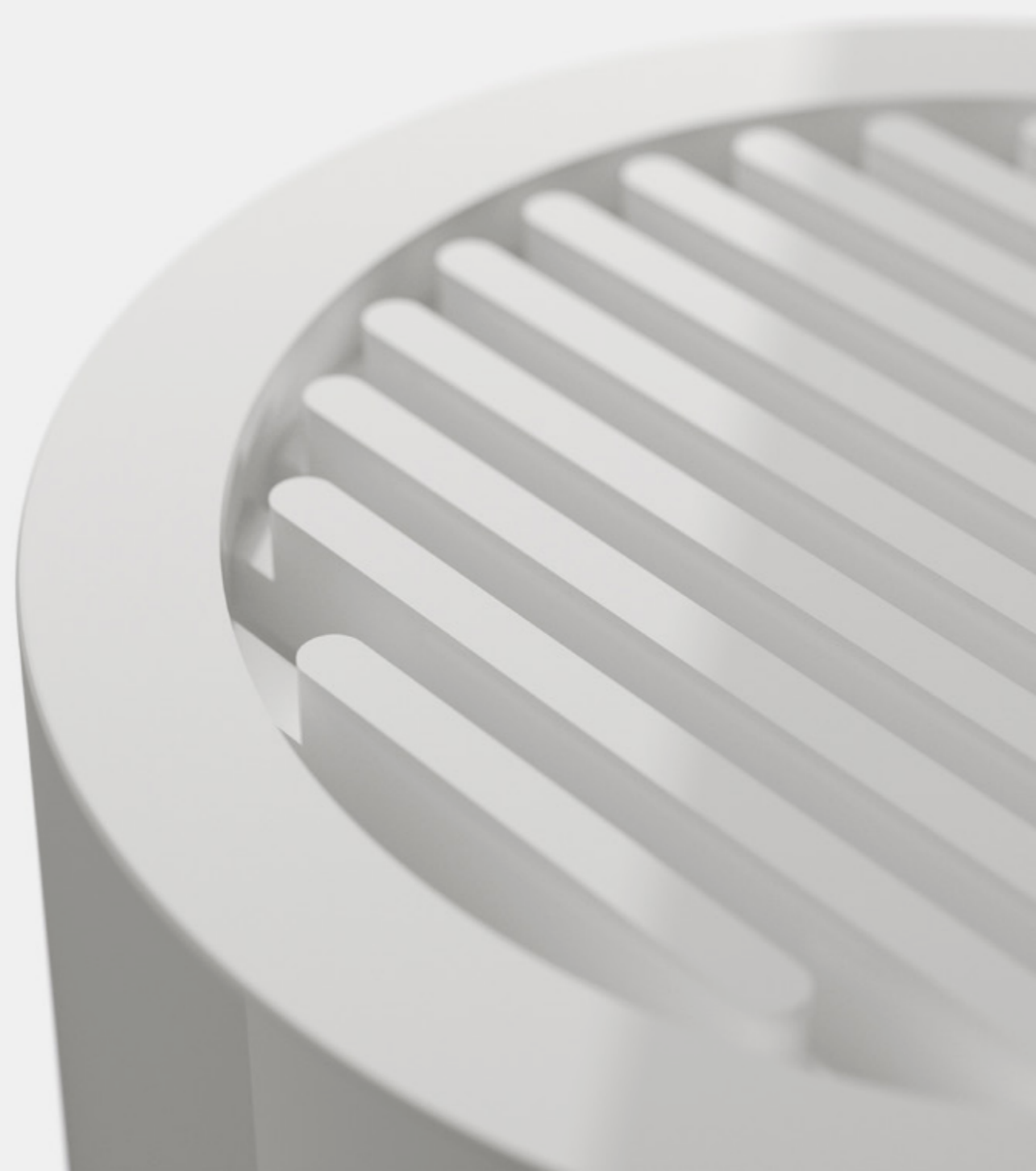
TL1 is an innovative thermostatic head for radiators and decorative radiators designed by Piero Lissoni. Defined by an ergonomic, refined and gentle shape, it is an element that combines aesthetics and functionality. The valve has been cleansed of any superstructure to enhance the purity of the cylinder: the essential becomes invisible. Experience the perfect balance of style and functionality.



Plus.

- Exclusive design by Piero Lissoni
- Comfort
- Simple to install
- High energy efficiency
- Invisible adjustment
- Eco-sustainability
- 100% plastic free packaging

 Certified
EN 215



TL1 by Piero Lissoni is the result of a careful study of proportions. Crafted with meticulous attention to detail, it combines aesthetics and cutting-edge technology to revolutionise your experience.





Production range: thermostatic head.



THERMOSTATIC HEAD

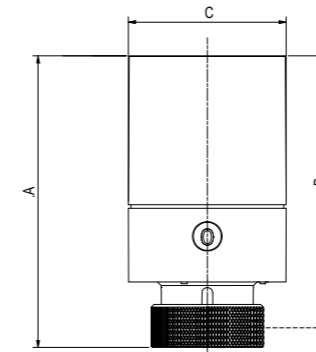
Model series	Code	Sensor
TL1	3937.00.00	Liquid expansion

TL1 by Piero Lissoni is a control device for valves with thermostatic option. The thermostatic head mainly consists of a bulb, placed underneath the handwheel, containing the thermostatic liquid, sensitive to room temperature variations. The thermostatic liquid tends to vary its volume upon room temperature increase or decrease, causing the valve's shutter connected to it, to move, in this way adjusting the liquid flow towards the heating body. Said movements maintain the temperature set from the thermostatic head handwheel throughout time.

The thermostatic head components are made of polymer materials, therefore the heat dispersed by the heating body does not affect the thermostatic head's mechanism.

CONSTRUCTION FEATURES

Body	TechnoPolymer
Bulb Liquid	Thermostatic ethyl acetate
TL1	With incorporated liquid expansion sensor



DIMENSIONAL FEATURES

Code	A (mm)	B (mm)	C (mm)
3937.00.00	83,2	77,6	45

Valves with thermostatic option.



Angle valve for copper / polyethylene pipe

Thermostatic valves and new control valves are used as shut-off and regulating parts for heating bodies in heating systems. They make it possible to automatically obtain and stabilise the desired temperature in each room, ensuring thermal comfort and energy savings.

Two types of regulation lockshield regulating valves.



Angle lockshield regulating valve for copper / polyethylene pipe



New angle lockshield valve for copper / polyethylene pipe

All in total silence and without any maintenance. RBM valves and lockshield valves are produced in straight, reverse reversible and angle versions, connectable to different types of piping, designed for connection to steel, copper and polyethylene pipes.

Production range: valves with thermostatic option.



ANGLE VALVE FOR IRON PIPE

Code	Size	Kv (m ³ /h)	Pack	Packaging
31.03.00	G 3/8"	2,45	10	100
31.04.00	G 1/2"	2,45	10	100
31.05.00	G 3/4"	-	10	60



STRAIGHT VALVE FOR IRON PIPE

Code	Size	Kv (m ³ /h)	Pack	Packaging
32.03.00	G 3/8"	1,60	10	100
32.04.00	G 1/2"	1,60	10	100
32.05.00	G 3/4"	-	10	50



ANGLE VALVE FOR COPPER / POLYETHYLENE PIPE

Code	Size	Kv (m ³ /h)	Pack	Packaging
48.03.00	G 3/8"	2,45	10	100
48.04.00	G 1/2"	2,45	10	100



STRAIGHT VALVE FOR COPPER / POLYETHYLENE PIPE

Code	Size	Kv (m ³ /h)	Pack	Packaging
49.03.00	G 3/8"	1,60	10	100
49.04.00	G 1/2"	1,60	10	100



REVERSE VALVE FOR IRON PIPE

Code	Size	Kv (m ³ /h)	Pack	Packaging
179.03.00	G 3/8"	0,99	10	100
179.04.00	G 1/2"	0,99	10	100



REVERSIBLE VALVE FOR IRON PIPE

Code	Size	Kv (m ³ /h)	Pack	Packaging
395.03.00	G 3/8"	1,55	10	100
395.04.00	G 1/2"	1,60	10	100



REVERSE VALVE FOR COPPER / POLYETHYLENE PIPE

Code	Size	Kv (m ³ /h)	Pack	Packaging
180.03.00	G 3/8"	0,99	10	100
180.04.00	G 1/2"	0,99	10	100

Production range: lockshield valves.



NEW ANGLE LOCKSHIELD VALVE FOR IRON PIPE

Code	Size	Pack	Packaging
4036.03.00	G 3/8"	10	100
4036.04.00	G 1/2"	10	100



**NEW ANGLE LOCKSHIELD VALVE FOR
COPPER / POLYETHYLENE PIPE**

Code	Size	Pack	Packaging
4037.03.00	G 3/8"	10	100
4037.04.00	G 1/2"	10	100



NEW STRAIGHT LOCKSHIELD VALVE FOR IRON PIPE

Code	Size	Pack	Packaging
4038.03.00	G 3/8"	10	100
4038.04.00	G 1/2"	10	100



**NEW STRAIGHT LOCKSHIELD VALVE FOR
COPPER / POLYETHYLENE PIPE**

Code	Size	Pack	Packaging
4039.03.00	G 3/8"	10	100
4039.04.00	G 1/2"	10	100



ANGLE LOCKSHIELD VALVE FOR IRON PIPE

Code	Size	Kv (m ³ /h)	Pack	Packaging
9.03.00	G 3/8"	3,2	10	100
9.04.00	G 1/2"	4,0	10	100
9.05.00	G 3/4"	10,8	10	60
9.06.00	G 1"	17,1	6	6
9.07.00	G 1"1/4"	22,5	4	4



STRAIGHT LOCKSHIELD VALVE FOR IRON PIPE

Code	Size	Kv (m ³ /h)	Pack	Packaging
10.03.00	G 3/8"	1,4	10	100
10.04.00	G 1/2"	1,8	10	100
10.05.00	G 3/4"	4,9	10	60
10.06.00	G 1"	8,2	6	6
10.07.00	G 1"1/4"	22,5	4	4



ANGLE LOCKSHIELD VALVE FOR COPPER / POLYETHYLENE PIPE

Code	Size	Kv (m ³ /h)	Pack	Packaging
29.03.00	G 3/8"	3,2	10	100
29.03.10	G 3/8" Ø 18 (*)	3,2	10	10
29.04.00	G 3/4"	4,0	10	100
29.04.10	G 1/2" Ø 18 (*)	4,0	10	10



STRAIGHT LOCKSHIELD VALVE FOR COPPER / POLYETHYLENE PIPE

Code	Size	Kv (m ³ /h)	Pack	Packaging
30.03.00	G 3/8"	1,4	10	100
30.03.10	G 3/8" Ø 18 (*)	1,4	10	10
30.04.00	G 1/2"	1,8	10	100
30.04.10	G 1/2" Ø 18 (*)	1,8	10	10

(*) Can be fed by Ø18 copper pipe (lockshield valve + reduction kit code 57.18.00)

Technical features: valves and lockshield valves.

CONSTRUCTION FEATURES

Body	Brass
Adjustment cap	Polymer or Brass
Joints Seals	EPDM PEROX
Hand wheel	Shockproof ABS
Connection to end	RFS connection
RFS connection	M UNI EN ISO 228 with PTFE olive (size 3/8" and 1/2" only)
Surface finish	Satin and Nickel-plated

TECHNICAL FEATURES

Operating T_{max}	110° C
Operating P_{max}	10 bar (1000 kPa)
Fluid	Water and Water + Glycol at 50%

TECHNICAL DATA RBM THERMOSTATIC VALVE AND THERMOSTATIC HEAD

Properties	Unit of measure	Declared values
Minimum adjustment calibration (anti-freeze position)	t_s min	7 °C (*)
Maximum adjustment calibration (position)	t_s max	30 °C (5)
Saving condition (position)		20 °C (3)
Maximum operating pressure	PN	10 bar (1000 kPa)
Maximum differential pressure (in flow direction)	ΔP	1 bar (100 kPa)
Maximum differential pressure (in return direction)	ΔP	0,6 bar (60 kPa)
Nominal capacity "qm N" (DP = 10 KPa) angle - straight	qm N	220 Kg/h
Maximum working temperature		110 °C
Maximum storage temperature		50 °C
Hysteresis	C	0.3 K
Authority	a	0,9
Response time	Z	25 min
Differential pressure influence	D	0.2
Water temperature influence		
Declared value in combination with polymer cap valves	W	0,57 K
The valve with thermostatic option is fitted with manual adjustment handwheel (rotation)		60° = 1K



Piero Lissoni is an architect, designer and art director and is recognised as one of the masters of contemporary design. For more than 30 years, he has been developing international projects in architecture, interior, product design and graphic design. Lissoni has received numerous awards, including the Good Design Award, the Red Dot Award and the ADI Compasso d'Oro.

TL1

Piero Lissoni

Discover more



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