



**TEDDINGTON**  
AIR CURTAIN SYSTEMS



## L - S E R I E S

The smart entrance for Shop & Business

Equipped with the CORRIGO® air discharge system


DOORS  
MADE OF **AIR**

# The smart energy-saving entrance.

An air curtain system which balances moderate output with comfort meets the everyday requirements of a wide range of applications in the shop & business sector. The devices in the L-Series offer an ideal price/performance ratio specifically designed for situations such as these without forgoing reliable technology and an attractive design.



**PLUG & PLAY**  
Ready to install

-  Put up
-  Connect
-  Done

Good air conditioning.  
Good for your wallet.  
Good for the environment.



A great deal of energy gets lost through unprotected doors. Enormous savings potential exists here.



An air curtain system counteracts incoming cold air using a counter-flow – an invisible air door.







With the Teddington L-Series you can pivot the air discharge element in both directions, thereby individually adapting the air curtain to suit local conditions.



ERP 2015  
Ready



CORRIGO® raises lamella technology to a new level: compact, powerful and versatile.

-  Energy-saving
-  Good air-conditioning
-  Improved sales psychology
-  Environmental protection

## L-Series with CORRIGO® air discharge system



- Versatile deployment of devices with adjustable **CORRIGO®** air discharge system
- Pre-assembled design for simple installation
- Intake on top for suspended, visible assembly directly above the door
- Stable, self-supporting housing
- Quality powder coating in RAL 9016 (white)
- Range of performance categories
- Available from stock in lengths of 1000, 1500 and 2000 mm



As with our GREENtec®, all details of our SMARTtec® devices have been carefully designed. They represent the optimum when it comes to conventional lamella technology.

- ✓ Attractive design
- ✓ Quiet operation
- ✓ Low maintenance
- ✓ Simple operation using 5 or 3-stage controller
- ✓ “Made in Germany” quality

**Design**

CNC manufactured sheet steel housing in modern design, powder coated in RAL 9016 (white).

Efficient CORRIGO® air discharge system for individual adaptation to suit local conditions.

TEDDINGTON Air Curtain Systems are manufactured to highest quality standards in accordance with DIN EN ISO 9001-2008.

**Maintenance**

The special device design means that no air filter is necessary. This guarantees low-maintenance operation.

The easily accessible inspection flap on the underside of the device enables simple access for maintenance work.

**Fans**

Vibration-free radial flow fan with 230 V / 50 Hz AC motors. Full motor protection via thermal contacts.

**Models with heater battery**

**Water-heated model**

Heat exchanger made from Cu / Al for use in LTHW, connectors with 3/4" external thread to prevent twisting.

**Electrically heated model**

Electrical heater battery with resistant heating elements, corrosion-resistant with spiral lamella and thermal overheating protection.

**Ambient model**

The Ambient model without heater battery (circulating air operation) is used to screen cold rooms for example.

**Control**

The applicable electronic controller for the model of heater battery is included with your L-Series device and enables you to adjust the controls as required.

**Order reference**

L = item	100, 150, 200 = unit width in cm
	N = LTHW 70/50°C
	E = electrical heater battery power setting 1 or 2
<b>L- 200- E2 = example</b>	

Devices	Max. air volume [m³/h]	Heat output [kW]	Voltage [V]	Power consumption [A]	ΔT (°C)	Water flow rate [m³/h]	Water resistance [kPa]	Speed levels	Weight [kg]
L-100-E 1	1500	2 / 4 / 6	3 X 400	9,2	12			3	20
L-100-E 2	1500	3 / 6 / 9	3 X 400	13,5	18			3	21
L-150-E 1	2250	3 / 6 / 9	3 X 400	13,6	12			3	28
L-150-E 2	2250	4,5 / 9 / 13,5	3 X 400	20,2	18			3	30
L-200-E 1	3000	4 / 8 / 12	3 X 400	18,4	12			3	37
L-200-E 2	3000	6 / 12 / 18	3 X 400	27,1	18			3	39
L-100-N	1400	8,4 (80/60 °C)	1 X 230	0,5	18	0,4	3,1	5	21
L-150-N	2100	13,2 (80/60 °C)	1 X 230	0,6	19	0,6	4,6	5	30
L-200-N	2800	17,2 (80/60 °C)	1 X 230	1,0	18	0,8	4,7	5	39

**Dimensions**

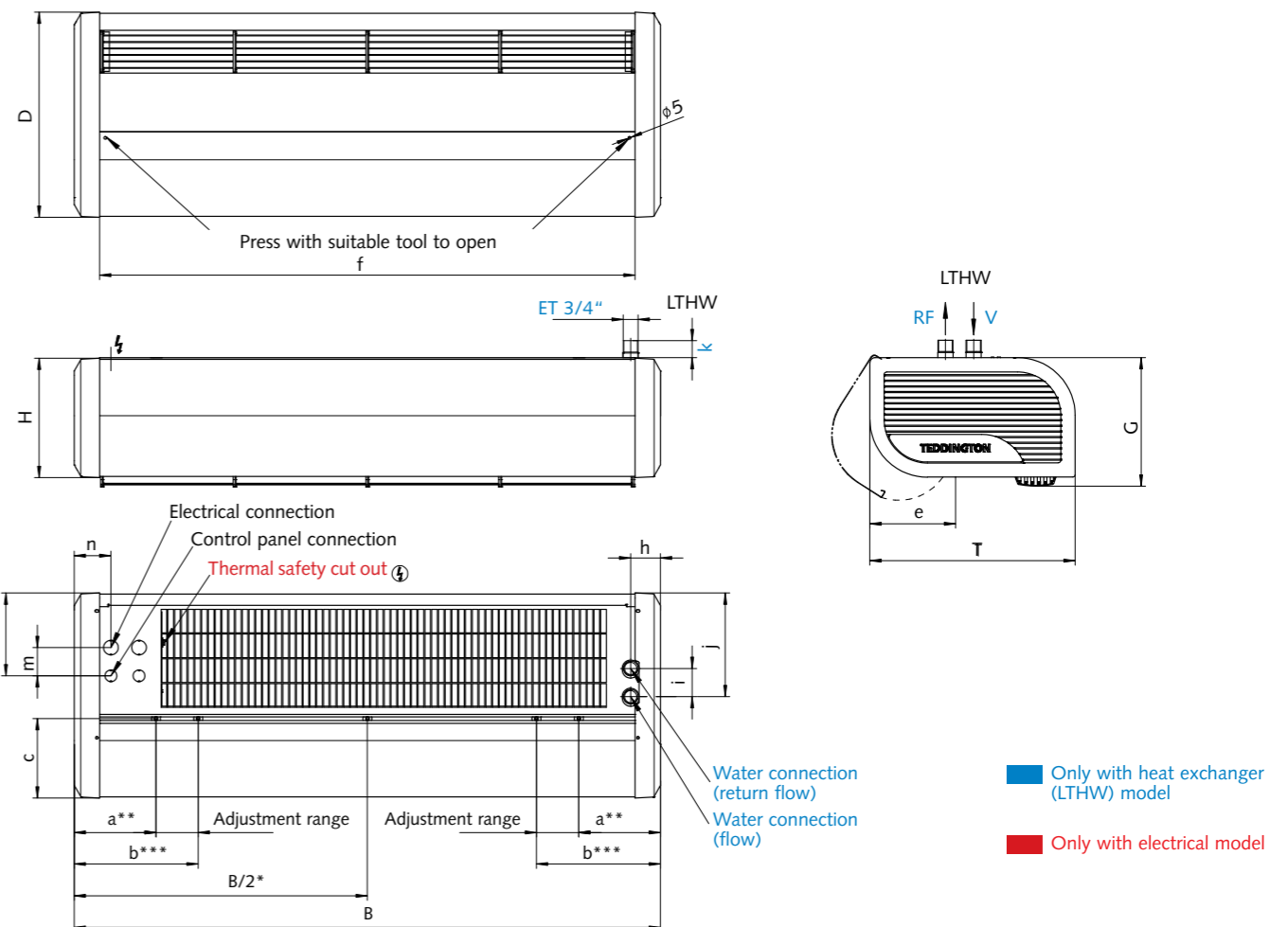
Devices	Dimensions				Mounting				Inspection cover		Pipe connection				Electrical			
	Width W [mm]	Height H [mm]	Total T [mm]	Depth D [mm]	a** [mm]	b*** [mm]	c [mm]	B/2* [mm]	e [mm]	f [mm]	h [mm]	i [mm]	j [mm]	k [mm]	l [mm]	m [mm]	n [mm]	
L-Series-100	1040	212	228	364	145	220	141	-	152	(BL-90)	53	50	184	30	147	50	65	
L-Series-150	1555	212	228	364	145	220	141	-	152	(BL-90)	53	50	184	30	147	50	65	
L-Series-200	1950	212	228	364	145	220	141	975	152	(BL-90)	84	50	184	30	147	50	65	

\* = central mounting (only in the case of 200 length)      ⚡ = electrical connection  
 \*\* = minimum measurement      N = 3/4" water connectors  
 \*\*\* = maximum measurement



The devices in the L-series are extremely simple to install. Delivery includes powder coated wall mounting brackets which permit fast and safe installation.

Other optional mounting systems are also available (see Page 9).



The applicable electronic controller for the model of heater battery is included with your L-Series device and enables you to adjust the controls as required.

	TSC 5	TSC 3-E
LTHW controller	•	
Electrical controller		•
Three air volume levels		•
Five air volume levels	•	
External release	•	•
Summer/winter function	•	
Manual / automatic function	•	•
WFS-function	•	•
Potential-free operating message	•	•
Run-on function	•	•
Speed control from the DDC / BMS	•	•

## Air volume control

### TSC 5



5-stage electronic air volume controller to set operating parameters and LEDs to display operating statuses.

Manual / automatic operating mode with adjustable run-on time and ability to activate a base load level. Summer / winter function with activation of solenoid valve or pump. Display and evaluation of the frost alert using the optional frost protection thermostats.

In the event of a risk of frost, the integrated frost protection circuit switches the fans off and releases the valve or pump.

An external release, operating message and input (0-10 V) to change level are available for connection to the building management system.

The potential-free operating message indicates whether fans are running or are idle.

Connection of the control panel and connection to slave devices takes place using an RJ-45 cable (included with delivery).

Dimensions: 70 x 70 x 26 mm

### TSC 3-E



3-stage electronic air volume controller for electrically heated air curtain devices to set operating parameters and LEDs to display operating statuses. Three settings each are available to set air volume and heat output. The heat output is locked using the fan level. Manual / automatic operating mode with adjustable run-on time and ability to activate a base load level.

An external release, operating message and input (0-10 V) to change level are available for connection to the building management system.

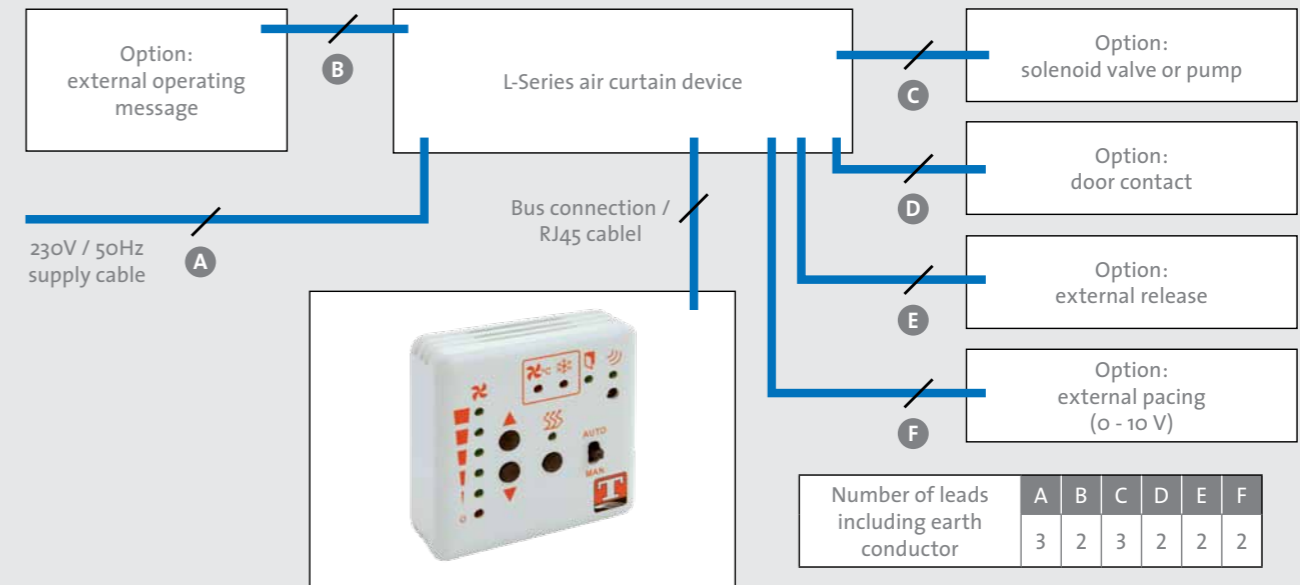
The potential-free operating message indicates whether fans are running or are idle.

Safety functions:

A run-on function controlled by a 50 °C thermostat switches the fans on in the event of excess residual heat after the system has been switched off. Overheating protection is provided by a 60 °C thermostat which switches the heating off and automatically switches to the preset heat level as soon as the temperature falls back below 60 °C. Overheating protection is provided by an 60 °C thermostat: the heating is switched off and locked. Connection of the control panel and connection to slave devices takes place using an RJ-45 cable (included with delivery).

Dimensions: 70 x 70 x 26 mm

## Example of activation via the TSC 5 control unit



You can find detailed circuit diagrams and other technical information at [www.teddington.de](http://www.teddington.de)

## Accessories



TSC 5-IR infrared remote control (for operation with TSC 5)



Mounting options



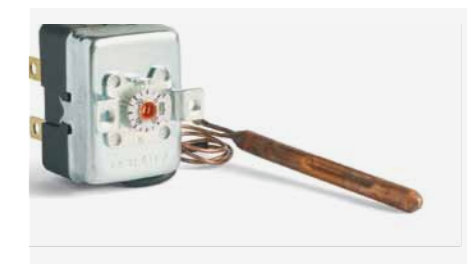
Door contacts



Thermostatic control valves



Room thermostats



Frost protection thermostats

We will be happy to advise you if you have any questions about our extensive range of accessories.

# Devices for all applications.

## Always the right system.

You will always find the right solution in our range of devices – from the smart entry model through to the high-end model to satisfy the most demanding requirements.

If you need something that is specific to your particular needs, we can develop a customised solution with you –  
**TEDDINGTON MANUFACTURING.**



SHOP & BUSINESS

With a wide range of device models specially designed for operation in buildings with high demands on comfort.  
**Extremely quiet, unobtrusive and effective.**



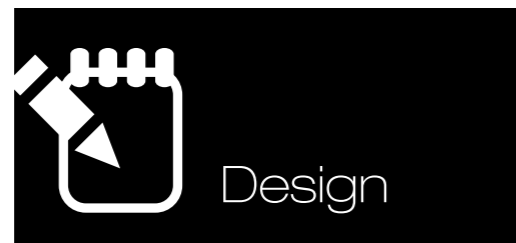
DESIGN

For the greatest visual demands and precisely adapted to suit various door situations.  
**Elegant surfaces, quality materials, the finest workmanship.**



INDUSTRIES

With maximum output, fast reaction and adapted to suit specific requirements.  
**Extremely robust, high performance potential and optimum energy balance.**



We have perfected the principle of “air doors” and in doing so have developed a wide range of applications.

Energy-saving air curtain systems can be used in the following areas:

-  **Shops & stores**
-  **Public buildings**
-  **Shopping malls**
-  **Industrial buildings & logistics centres**
-  **Banks & office buildings**


We are especially proud of having set new benchmarks through our innovations in air curtain technology. This enables us to offer our customers not only convenient solutions but also first and foremost the opportunity to save a great deal of energy and money.

Moreover Teddington air curtain systems make an important contribution to the protection of our valuable environment.



**GREENTec**<sup>®</sup>

The green technology for energy efficiency with EC technology and the EVOLVENT<sup>®</sup> pressure chamber nozzle system



- E-Series
- C-Series

- Ellipse
- Charisma
- Delta
- Saphir
- Topas
- Sintra
- Silent

- Ratiovent
- Induvent
- Friguvent

**SMARTec**<sup>®</sup>

The smart devices with CORRIGO<sup>®</sup> air discharge system



- A-Series
- P-Series
- L-Series

- 

- Ratiovent

**VRFtec**<sup>®</sup>

Variable Refrigerant Flow. The efficient devices for refrigerant operation.

- E-Series
- C-Series
- A-Series

- 

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**Innovative Technology**



**Greatest efficiency**



**Trend-setting design**



**Top quality**



**Perfect service**

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