

► Air terminal devices ►►



**The clean solution!**

**PURELINE slot diffuser**

**TROX<sup>®</sup> TECHNIK**  
The art of handling air

## ► PURELINE slot diffuser ►►

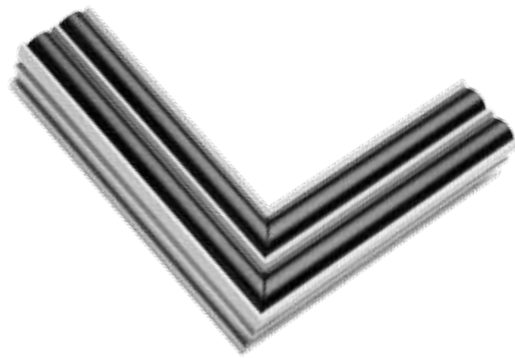
### Unobtrusive

The new PURELINE slot diffusers are neat devices that blend in perfectly with any ceiling.

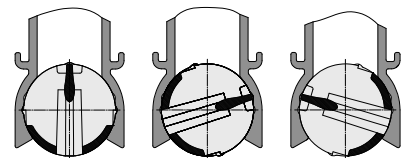
### Versatile

Adjustable air discharge – horizontal, angled or even vertical – makes the diffusers a versatile option for many applications, such as to provide an air curtain to protect fresh food counters. Each of the new air control elements can in fact be set individually.

*Whether continuous linear arrangement or corner sections: PURELINE fits*



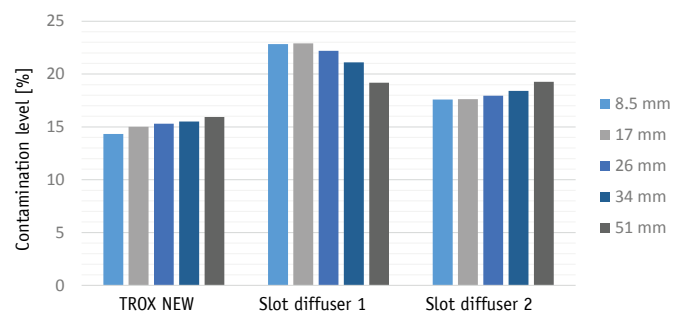
*Different air patterns*



### Clean

As a big plus, there is less contamination of the ceiling with the new PURELINE slot diffusers. This has been tested on a dedicated test rig of RWTH Aachen University, where a standard dust (ASHRAE) was used to compare the contamination caused by different types of diffusers. PURELINE came out as the cleanest slot diffuser by far.

**RWTH AACHEN**  
UNIVERSITY



*Diffusers of different widths, contamination levels*



## ► Clean, quiet, effective ►►

### Variable

PURELINE diffusers are currently available with one or more slots of 18 mm or 35 mm, lending themselves to a wide variety of applications. An aluminium frame (choice of different frames) can be added if required. Continuous linear arrangement is also possible.



*Different sizes and diffuser faces  
with several slots*

### Advantages at a glance

- Less contamination of the ceiling due to intelligent air discharge
- For many applications
- Adjustable supply air discharge, various setting options for air control elements
- Excellent acoustic properties, large volume flow rate range
- Vertical air discharge for air curtains to protect room zones
- High induction results in a rapid reduction of the temperature difference
- Easy installation, no tools required for diffuser face fixing



*Slot sections and plenum box  
can be of different lengths*



➡ 13 – 710 m<sup>3</sup>/h · 4 – 197 l/s

◀▶ PL18: 600 – 2000 mm

PL35: 600 – 1950 mm

You'll find more applications  
and technical details at  
[www.troxtechnik.com](http://www.troxtechnik.com)



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## TROX GmbH

Heinrich-Trox-Platz

47504 Neukirchen-Vluyn

Phone +49(0)2845 2020

Fax +49(0)2845 202265

[www.troxtechnik.com](http://www.troxtechnik.com)

[trox@trox.de](mailto:trox@trox.de)