TROX® TECHNIK
The art of handling air

SLOT DIFFUSERS

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PURELINE18	
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THE RIGHT SOLUTION FOR EVERY REQUIREMENT!

VERSATILE DESIGN AND CONFIGURATION OPTIONS

From different connection options to different airflow directions, number of slots, different installation options and designs; with our versatile and flexible slot diffusers we always have the right solution for you - for every requirement.

The example of our Pureline slot diffuser for the ceiling shows you the almost endless choices available when designing the right slot diffuser.

OVERVIEW SLOT DIFFUSERS - APPLICATION AREAS AND OPTIONS

Well suited Suitable

	PURELINE 18	PURELINE 35	PURELINE 50	SB	KS	CFS	CHS	CHM	CFE
Preferred use									
Office areas	●●	●●	●●	●●	●●	●●	●●	●●	●●
Hallways	●	●	●	●	●	●●	●●	●●	●●
Entrance areas	●●	●●	●●	●●	●●	●	●	●	●
Fresh food counters	●●	●●	●●		●●				
Storage areas	●	●	●	●	●	●	●	●	●
Training and meeting rooms	●●	●●	●●	●	●●	●●	●●	●●	●●
Retail areas	●	●	●	●	●	●	●	●	●
Swimming pools/Wellness areas	●	●	●	●	●				
Cooling	●●	●●	●●	●●	●●	●●	●●	●●	
Heating	●	●	●		●	●	●	●	
Further characteristics ●									
Volume flow rate/m at L_{WA} = 35 dB(A)									
1 Slot	65 - 72 m³/h	105 - 114 m³/h	143 - 157 m³/h	115 m³/h	60 - 100 m³/h	94 - 158 m³/h	95 - 185 m³/h		Usual volume flow rates achieve lower sound power levels than 35 dB(A)
2 Slots	115 - 125 m³/h	167 - 181 m³/h	238 - 267 m³/h		90 - 120 m³/h	117 - 217 m³/h	160 - 285 m³/h		
3 Slots		219 - 238 m³/h	343 - 390 m³/h		95 - 120 m³/h	129 - 212 m³/h	285 m³/h	175 - 200 m³/h	
4 Slots		257 - 300 m³/h	457 - 514 m³/h		120 m³/h		340 m³/h		
Installation location									
Ceiling	●●	●●	●●	●●	●●				
Wall	●	●	●		●●	●●	●●	●●	●●
Air type									
Supply air	●●	●●	●●	●●	●●	●●	●●	●●	
Extract air	●●	●●	●●		●●	●●	●●	●●	
Supply and extract air					●●	●●	●●		
Transferred air	●	●	●					●	●●
Airflow pattern									
Horizontal	●●	●●	●●	●●	●●	●●	●●	●●	
Slanted	●●	●●	●●		●●				
Vertical	●●	●●	●●		●●	●●	●●	●●	
Different airflow directions at the same time	●●	●●	●●	●●	●●				
Further options									
2 or more connecting spigots	●●	●●	●●		●●	●●	●●	●●	
Continuous linear arrangement	●●	●●	●●	●●	●●				
Standard dimension oriented to the drywall grid						●●	●●		●●
Sound-absorbing property						●●	●●	●	●●
Plenum box configurable	●●	●●	●●	●●	●●	●●	●●		●●

AESTHETIC SOLUTIONS FOR WALL INSTALLATION

- WALL DIFFUSERSCHS, CFS UND CHM
- OVERFLOW ELEMENT CFE

The new slim wall diffusers from TROX can be integrated almost invisibly in the room and enable an aesthetic and flexible design.

The clean solution!

PURELINE SLOT DIFFUSER

Unobtrusive
The 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.

Clean
As a big plus, there is less contamination of the ceiling with the 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.

TROX SERVICES

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TOUR DE COMPETENCE

Competence - exciting
staged.