

## SWIRL DIFFUSERS FOR A RAPID AIR CHANGE



*TROX, Neukirchen-Vluyn, Germany*

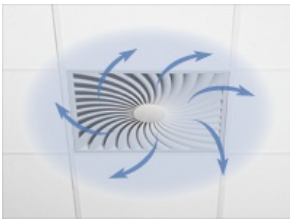
If a rapid air change is required, TROX swirl diffusers are just what is needed. There is hardly any other manufacturer who offers such a wide range of construction variants and attractive designs. Whether installed freely suspended (and with an extended border) or flush with the ceiling, the diffusers always blend in perfectly with the room architecture and offer ideal solutions for both large and small offices. Depending on the construction, swirl diffusers can provide a comfortable airflow at 25 – 40 % of the maximum volume flow rate.

Success factors for effective air discharge.

An ideal air discharge pattern can be achieved with high induction levels that lead to a rapid reduction of airflow velocities and of the temperature differences between supply air and room air.

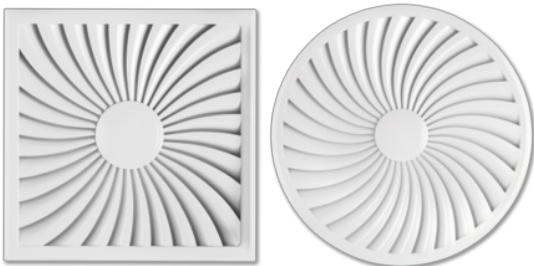
For many years TROX has studied the use of plastics and implemented its findings in the design of perfect swirl diffusers. Three-dimensional blade contours, which are so perfectly shaped that they can only be produced in plastic, create a comfortable airflow and ensure that the supply air mixes well with the room air.

AIRNAMIC and XARTO swirl diffusers are fitted with innovative blades that combine an extremely quiet air discharge with the optimum swirl; the above-mentioned comfort



criteria can be met even with very high

volume flow rates.



### AIRNAMIC SWIRL DIFFUSERS

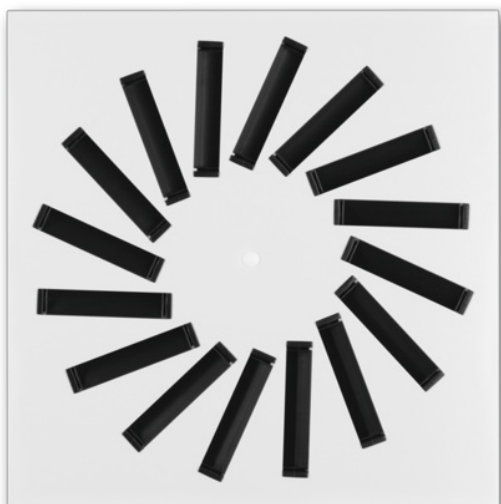
13 – 385 l/s  
47 – 1.386 m<sup>3</sup>/h

300, 400, 600, 625 mm  
Ø 400 und 600 mm



#### XARTO SWIRL DIFFUSERS

31 – 265 l/s  
110 – 954 m<sup>3</sup>/h  
Ø 600 mm  
600, 625 mm



#### VDW AIR TERMINAL DEVICES

7 – 470 l/s  
25 – 1.692 m<sup>3</sup>/h  
Ø 300 – 625 mm  
300 – 825 mm