

TPC



TPC air purifier

TPC is a chemical air purifier
for high background levels.

The **TPC** purifier series is designed for use in extremely demanding conditions. It is typically used for removing harmful odors from wastewater systems and composting plants.

The device is also well suited for protecting electronic and electrical devices against airborne corrosion in industrial environments. The TPC purifier includes a two-stage chemical filter with pre- and post-filtering.

Purifier unit

- Structural material: acid-resistant steel
- Connection: flange joint
- Sturdy stand profiles
- Sealed door and hatch structures

Chemical filtration section

- Two-stage medium space, each 30 cm deep
- Refilling and emptying hatches
- Sampling connections
- Interface and by-pass flows structurally prevented

Fields of use

- + Electronic and electrical spaces in process industry
- + Data centers
- + Control rooms
- + Wastewater treatment plants
- + Wastewater pumping stations
- + Composting plants

Other equipment

- Pre-filter: filtration class M5
- Post-filter: filtration class F9

Accessories

- Differential pressure gauges for the pre- and post-filters

Scaling

The contaminant removal efficiency of TPC air purifiers is over 99.9%. The delay of the air flow in the filtration material is scaled between 1.5 and 3 seconds.

Scaling

Type	l mm	h mm	SCALING/DELAY		Total media volume dm ³
			1,5 ... seconds min. dm ³ /s	... 3 seconds min. dm ³ /s	
TPC 500	600	600	150	75	240
TPC 750	600	900	220	110	350
TPC 1000	600	1200	300	150	470
TPC 1500	1200	900	450	225	700
TPC 2000	1200	1200	600	300	920
TPC 3000	1200	1800	900	450	1370
TPC 4000	1800	1800	1300	650	2020
TPC 5000	1800	2100	1600	800	2670

NOTE! The purifier's pressure loss normally varies from 500 to 2,000 Pa depending on the air flow, medium and equipment.

Contact Climecon for the exact values.

