

Thermal Desorption Tube

Thermal desorption tube,

also known as adsorption tube, parsing tube. It is mainly used for concentration and extraction of organics and semi-volatile organics in ambient air and other samples, also used in conjunction with thermal desorption/gas chromatograph or thermal desorption/gas chromatography-mass spectrometry.



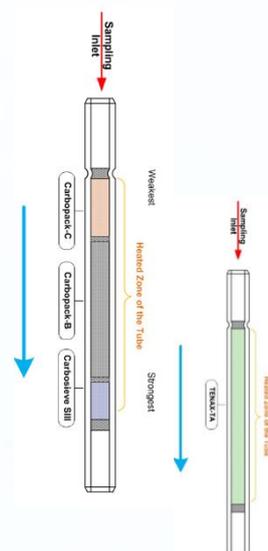
Common thermal desorption tube specifications and dimensions

Texture	Outer diameter	length	Applicable models for thermal desorption tube
Stainless steel or quartz/inch	1/4	3.5	PE, Markes, Dani, Shimadzu and domestic brand thermal desorption instrument, etc
Stainless steel /mm	6	90	China domestic brand thermal desorption instrument
	6	120	
	6	150	

Note: There are various types of thermal desorption tubes, please consult local sales for details

Key Features

- Special loading process , ensure consistency of back pressure to resistance across batches
- Screen mesh is used instead of glass wool , Keep the packing in place to ensure its reproducibility
- The residual rate < 2%



Application

Application	Common standard	Product
Environmental industry	HJ/T 734-2014 Determination of volatile organic compounds in waste gas from stationary sources; HJ/T 644-2013 Ambient air - Determination of volatile organic compounds;	TA001 TSC100 TS130 TCB200 TCB300

	HJ583-2010 Ambient air - Determination of benzene series; DB-44/816 Voc emission standard for surface coating.	
Occupational health	GBZ/T 300.62-2017 Workplace air toxic substance determination: solvent gasoline, etc; GBZ/T 300.38-2017 Workplace air determination of toxic substances: Carbon disulphide.	TA001 TS130 TCS2
Indoor air	GB50325 Determination of indoor environmental pollutants benzene and TVOC in civil building factories; GB18883-2002 Determination of benzene and TVOC in indoor air.	TA001 TS130 TC2102 TS50
The air inside the car	HJ/T-400 Method for sampling and determination of volatile organic compounds and aldehydes and ketones in vehicles.	TA001 TA002
Other applications	GB 36246-2018 CS ₂ , TVOC test of synthetic material surface sports ground in primary and secondary schools; GB/T 33871-2017 Determination of TVOC, benzene and styrene in powder; GB/T 37757-2019 Volatile organic compounds in materials and components used in electrical and electronic products.	TA001 TCS2

Ordering Guide of Thermal Desorption Tube

Part No	Application	Packaging
TA001	Porous synthetic filler // Suitable for C7~C26 analysis	10/PK
TA002	Porous synthetic filler // Suitable for C7~C26 analysis	10/PK
TS130	Activated carbon filler // Suitable for C4~C12 analysis, solvent gasoline analysis	10/PK
TCB200	Carbon composite pipe // Suitable for C3~C12 analysis	10/PK
TCB300	Carbon composite pipe // Suitable for C3~C20 analysis	10/PK
TSC100	Combination tube packing // Suitable for C3~C30 analysis	10/PK
TC2102	Combination tube packing // Suitable for C4~C26 analysis	10/PK
TCS2	Activated carbon filler // Suitable for CS ₂ analysis	10/PK
TS50	Activated carbon filler // Suitable for C5~C8 analysis	10/PK
TC 000000	Develop customized thermal desorption tubes according to required test compounds	10/PK

Related Products

- Matching brass storage cap ,Samples can be stored for 15 days
- Equipped with PTFE analysis cap, Sample can be stored for 3 days

