

Accessories | ZPure™ HC

Pure gas is a critical requirement in gas chromatography, spectroscopy, optics, lithography, and numerous other applications in manufacturing and analytical laboratories. The ZPure™ line of filters remove a wide range of contaminants to trace levels.

Features and benefits

- High-efficiency in-line traps with outstanding capacity.
- High quality activated absorbents for long purifier life and efficient contaminant removal.
- Various size and fitting configurations to fit existing installations.
- Filter lifetime is dependent on quality of incoming gas, and the flow rate.
- Individually leak-tested.

Recommended applications

It can be used to remove hydrocarbons heavier than butane from inert gases, He, Ar, N₂, H₂, and clean dry air (CDA) to low ppb levels. It is recommended for most applications requiring hydrocarbon-free gas.



Product specifications

ZPure™ HC							
Volume	Function	Capacity (nominal-max)	Outlet concentration at nominal flow rate	Flow rate (nominal-max)	Max pressure	Dimensions	Fittings
130 cc	Removes hydrocarbons (C5 and heavier)	11 - 36 g	< 5 ppb	1 - 10 SLPM	68.9 bar / 1000 psi	3.2 cm x 28 cm	1/8" and 1/4" brass and stainless steel compression
475 cc		40 - 131 g		3.7 - 36 SLPM		3.8 cm x 57 cm	
500 cc		42 - 137 g		3.8 - 38 SLPM	13.8 bar / 200 psi	5 cm x 35 cm	
750 cc		63 - 206 g		5.8 - 57 SLPM		5 cm x 50 cm	

- 1) The nominal hydrocarbon capacity is determined for an inlet impurity level of 500 ppm pentane.
- 2) The maximum hydrocarbon capacity is determined for an inlet impurity level of 2300 ppm pentane.
- 3) The nominal flow rate is the recommended flow rate for an estimated gas purifier life of 1 year. This assumes the following inlet impurities: 1 ppm hydrocarbons (C5 and heavier)
- 4) The maximum recommended flow rate is recommended for intermittent use only.

For more information about this product visit www.trajanscimed.com or contact techsupport@trajanscimed.com