

石化闪蒸仪器 辅助气相色谱进样 汽化液化气丁烷气体

产品名称	石化闪蒸仪器 辅助气相色谱进样 汽化液化气丁烷气体
公司名称	鑫昕仪器科技（上海）有限公司
价格	1.00/个
规格参数	品牌:YUNTEK 型号:SVPI
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产品详情

SVPI型 超级闪蒸器（Super VPI）

一．应用范围

YunTek 超级闪蒸器适用于带压力液体样品进入分析仪器进行分析的前端气化以及样品传输。其设计与性能与国内同种产品相比有一定优势。

YunTek Super VPI is suitable for front-end gasification and sample transfer with pressure liquid samples entering the analysis instrument for analysis. Its design and performance have certain advantages compared with the same kind of

domestic products.

本产品适用于下述分析前的样品处理：

This product is suitable for sample processing prior to the following analysis：

1. 各类工业用烯烃中微量一氧化碳、二氧化碳的分析，配合气相色谱仪使用。 Analysis of trace amounts of carbon monoxide and carbon dioxide in various kinds of industrial olefins, used in conjunction with gas chromatography.

2. 液态烃组成分析，配合气相色谱仪使用。

Analysis of the composition of liquid hydrocarbons, used in conjunction with gas chromatography.

3. 其他组分分析，如烃类中硫化物分析。

Other component analyses, such as sulphide analysis in hydrocarbons.

二．仪器特点

1.本仪器相比一般的液体进样阀更加方便，而且分析结果更加精确。

This instrument is more convenient than the general liquid sample valve and the analysis results are more accurate.

2.所有液样品均在恒压环境中被汽化和传输，克服了液态样品在气化过程中，由于其密度变化而导致的错误，确保了分析谱图出峰良好。

All liquid samples are vaporized and transmitted in a constant pressure environment, which overcomes the errors caused by the change of density in the liquid sample during the gasification process, and ensures that the analysis spectrum peaks well.

3.全程传输管线具有可调伴热功能，保证样品不会冷凝。

The whole transmission pipeline has adjustable thermal function to ensure that the sample does not condense.

4.可以实现液体和气体样品的进样

Sampling of liquid and gas samples can be achieved

5.高样品通量

High sample flux

6.系统自带吹扫功能，减少交叉污染

The system has its own cleaning function to reduce cross-contamination

三．产品优势

1.全程惰性化管路及惰性化处理过滤器，杜绝腐蚀、吸附。

The whole process of inert pipeline and inert treatment filter, to prevent corrosion, adsorption.

2.可用于硫化物及氧化物的痕量物质检测。

Trace substances that can be used for the detection of sulfides and oxides.

3.具备压力精确控制功能，使每次进样压力一致，保证分析效果。

Has the pressure accurate control function, makes each sample pressure consistent, guarantees the analysis effect.

4.设计带有用户可调式加热器两个，分别对闪蒸温度

及进样管路进行温度控制，实现全程伴热，防止样品气化后二次冷凝。

Two user-adjustable heaters are designed to control the temperature of the flash steam and the feeding pipe

respectively, so as to achieve the full range of heat and prevent the second condensation after the sample is vaporized.

5.经闪蒸后样品，进行重复进样分析，分析结果相对标准偏差大控制在 0.5%，优于同类国内产品。

After the flash steam sample, repeated sample analysis, the analysis results relative to the standard deviation of the

maximum control at 0.5 %, superior to the same domestic products.

四．技术参数

项目

参数

产品货号 Product number

YXY01702

高进样压力 Maximum liquid pressure (已修改)

闪蒸器可根据特殊要求进行定制，用于承受高约 70 barg 的液体进样压力

高气化温度 Maximum gasification temperature

200

温控精度 Temperature control accuracy

± 0.1

标准液体进样压力 Standard liquid injection pressure

40 barg

仪器 RSD% Instrument RSD %

0.5%

外观尺寸 Dimensions

W x D x H= 254x500x200mm

重量 weight

11 公斤

供电 power supply

220V / 50Hz

控制管路 Control Pipeline

全程钝化管路，杜绝吸附、腐蚀，全程伴热管路，杜绝二次冷凝

五．应用分析

石化客户样品组分以液态碳四为主，理论上液态样品热水浴气化进样存在挥发不完全的问题，挥发性组分的重现性较差（重烃组分重复性很差，甚至大于 50%）。实际数据也验证了，客户直接气态进样数据重复性很差，即使用国产品牌闪蒸器，由于使用了过大的传输管路，导致样品不能够被完全气化，进而会导致样品分析结果的不完整以及其它错误，亦存在重烃组分挥发不充分或二次冷凝的现象。通过闪蒸进样的硫化物分析结果谱图中，羰基硫组分峰面积相对标准偏差低于 0.5%，保证了分析结果的重复性。证明了 YunTek 闪蒸器对硫化物组分的进果。

Petrochemical customers 'sample components are dominated by liquid carbon. Theoretically, there is a problem of incomplete volatilisation in the gaseous sample of hot water bath in liquid samples, and the recurrence of volatile components is poor (the repeatability of heavy hydrocarbon components is poor, even greater than 50 %). The actual data also verified that the customer's direct gaseous sample data is poorly repeatable, that is, the use of domestic brand

flash evaporators. Due to the use of excessive transmission lines, the sample can not be completely gasified, which in turn will lead to incomplete sample analysis results and other errors., There is also the phenomenon of insufficient volatilisation or secondary condensation of heavy hydrocarbon components. The peak area of carbonyl sulfur component is less than 0.5 % of the standard difference in the spectrum of sulphide analysis by Flash steaming sample, which ensures the repeatability of the analysis results. The results of YunTek flash evaporator on sulphide composition were proved.

六．系统需求

1.分析仪器需安装气体进样阀

A gas sample valve on the analyzer interface.

2.分析仪器需具备外部连接端口

The analytical instrument needs an external connection port.

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相关产品：闪蒸, 石化, 自动进样, 高温汽化