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## 密闭采样器产品概况 Product Overview

近年来，捷派克公司根据多年服务石化的技术积淀，研发制造的 MYC 系列密闭性采样器。该系列采样器选材考究，制作精良，可以在石化、煤化和精细化工装置实现密闭采样作业。

该产品现已在炼油装置，石化装置上应用，其技术路线涵盖了循环+吹扫、冷却、加热保温，在线采样。采样介质的物态；液态、液态烃和气态。采样容器可以是玻璃瓶，球胆和钢瓶。吹扫尾气排入采样器的活性炭吸附罐。

连接法兰可根据用户要求配置。常温凝固的介质，需要配置带蒸汽加热，保温的箱体。保温的温度由用户调节定，出厂时一般控制值：55℃。

In recent years, our company based on years of service accumulated petrochemical technology, research and develop manufacturing MYC series of airtight samplers. The series sampler selection known, well-made, can be in the petrochemical, coal chemical and fine chemical plant operations to achieve a confined sample.

Our products are now installed in the refinery, petrochemical plant on the application, its technical route covers a loop + blowing, cooling, heating insulation, on-line sampling.

Sampling medium physical state; liquid, liquid and gaseous hydrocarbons. Sample containers can be glass bottles, the ball gall, and cylinders. Purge exhaust gas into the sampler of the activated carbon adsorption tank. Connecting flange can be configured according to user requirements. Solidification temperature of the medium, you need to configure with a steam heating, thermal insulation of the box. Insulation temperature regulation set by the user, the factory general control values: 55 °C.



## 一、 MCY—X 循环型采样器 The airtight sampler

本系列采样器具有循环功能，被采介质在有动力驱动下或在有一定压差下进行循环流动，确保采集样品新鲜真实。

**MCY X密闭型采样器** 采样器的基本型号。结构简单，适应性强，它使用于有压差的场合，系统可以借助压差实现介质循环，保证采样阀随时可以采到新鲜的样品。该流程一般能满足生产装置绝大多数的需求。

MCY X is a kind of basic model of the sampler. This sampler is simple structure, adaptable. It is used in a differential pressure of the occasion, the system can make use of pressure cycles to achieve medium to ensure the sampling valve can be taken at any time to the fresh samples. It generally able to meet the needs of the vast majority of petrochemical plant.



MCY-X正面面板



# 密闭型采样器产品介绍

## Product Documentation Of Airtight Sampler

### 1、 MCY—X/C 循环吹扫型 Purge cycle

本款采样器可配置吹扫功能。

采样器针头内的微量残液可用氮气吹扫，确保下批样品不被污染。采样瓶内少量吹扫气体可通过活性炭吸附后排放，也可直接排放至放空总管回收。

This type of sampler can be configured purge function.

Residual liquid in sampler needle can be flushed with nitrogen. It is ensured that the next batch of samples not being contaminated. A small amount of sweeping gas in sampling bottle can be discharged through the activated carbon adsorption. It can also be directly discharged to the shorting header pipe for reclaiming.



MCY-X/ C 正面面板



## 2、 MCY—X/L 循环冷却型 The airtight model sampler

**MCY X/L密闭型采样器** MCY X/C的派生型号，他在MCY X/C上增加了一套套管式换热冷却装置，以适应高温条件下介质的采样需求。该系统由于采用了套管式物理结构，冷却换热效率较高，加工成型工艺较为简单。采用了捷派克专用的管件元件，使得管程和壳程的分离密封变得十分的便利和可靠。

MCY X /L sealed sampler is a derivative model of MCY X / C ,It adds a set of double-pipe heat exchanger cooling device in order to meet the needs of sampling under high temperature. The system has higher cooling efficiency and molding process is relatively simple. Using SGPEC dedicated pipe components makes the sealing of tube and shell side become very convenient and reliable.



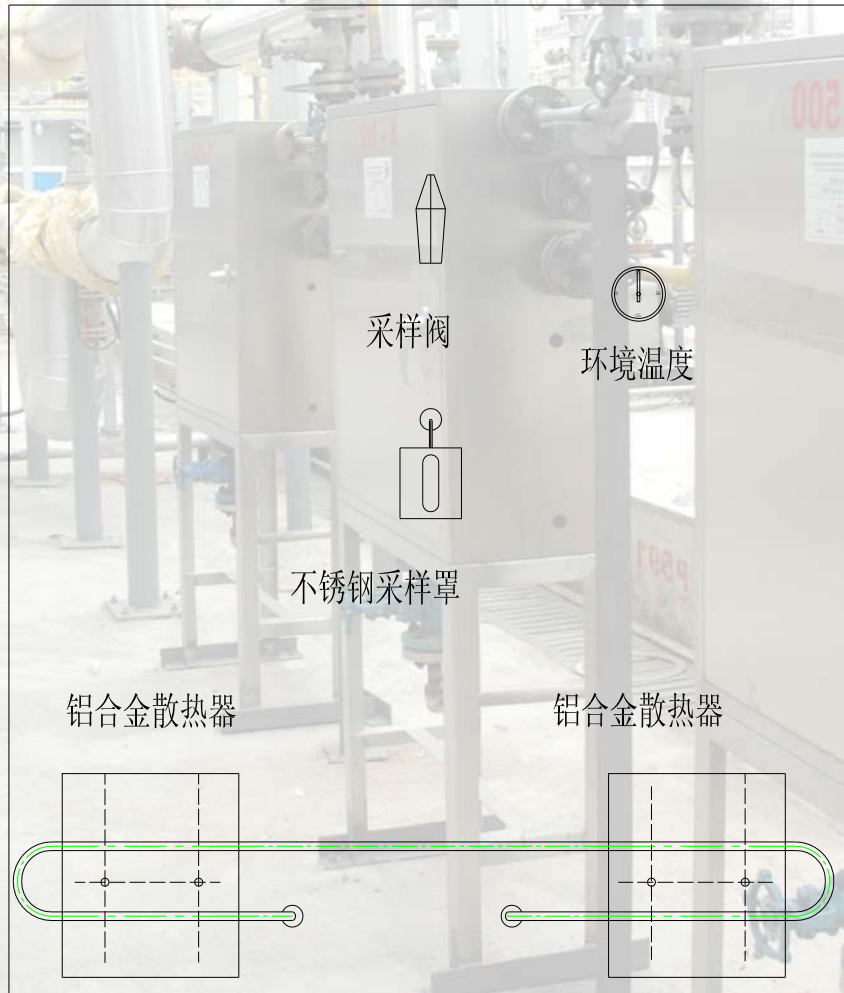
MCY-X /L正面面板



### 3、 MCY—X/B 循环保温型 The airtight sampler

**MCY X/B密闭型采样器** MCY X/C的派生型号，他在MCY X/C型号上增加了一套蒸汽保温加温装置，以适应常温条件下会凝结的介质采样需求。该系统蒸汽加热采用了自力式无源的调节阀，结构简单紧凑节能，且达到本质安全。箱体采用保温型。（夹层填充保温棉）

MCY X / B sealed sampler is a derivative model of MCY X / C, It adds a set of steam heat insulation and warming device on MCY X / C in order to meet the needs of materials which could be coagulation under room temperature. The steam heating system uses passive control valve, simple and compact structure, energy-saving and intrinsically safe. The box with insulation type. (Sandwich filled with insulating cotton)



MCY- X/B/C 正面面板



## 4、MCY—X/G 循环钢瓶型 Cycle steel bottle

本款采样器用大钢瓶对各种液化气体进行采样。

This type of sampler is used to sample various liquefied gas by steel bottle.



MCY-X/G正面面板



## 5、MCY—X/BG 循环玻璃钢瓶型 Cycle glass steel bottle

本款采样器用小玻璃钢瓶对各种液化气体进行采样。

This type of sampler is used to sample various liquefied gas by glass steel bottle.



MCY-X/BG正面面板

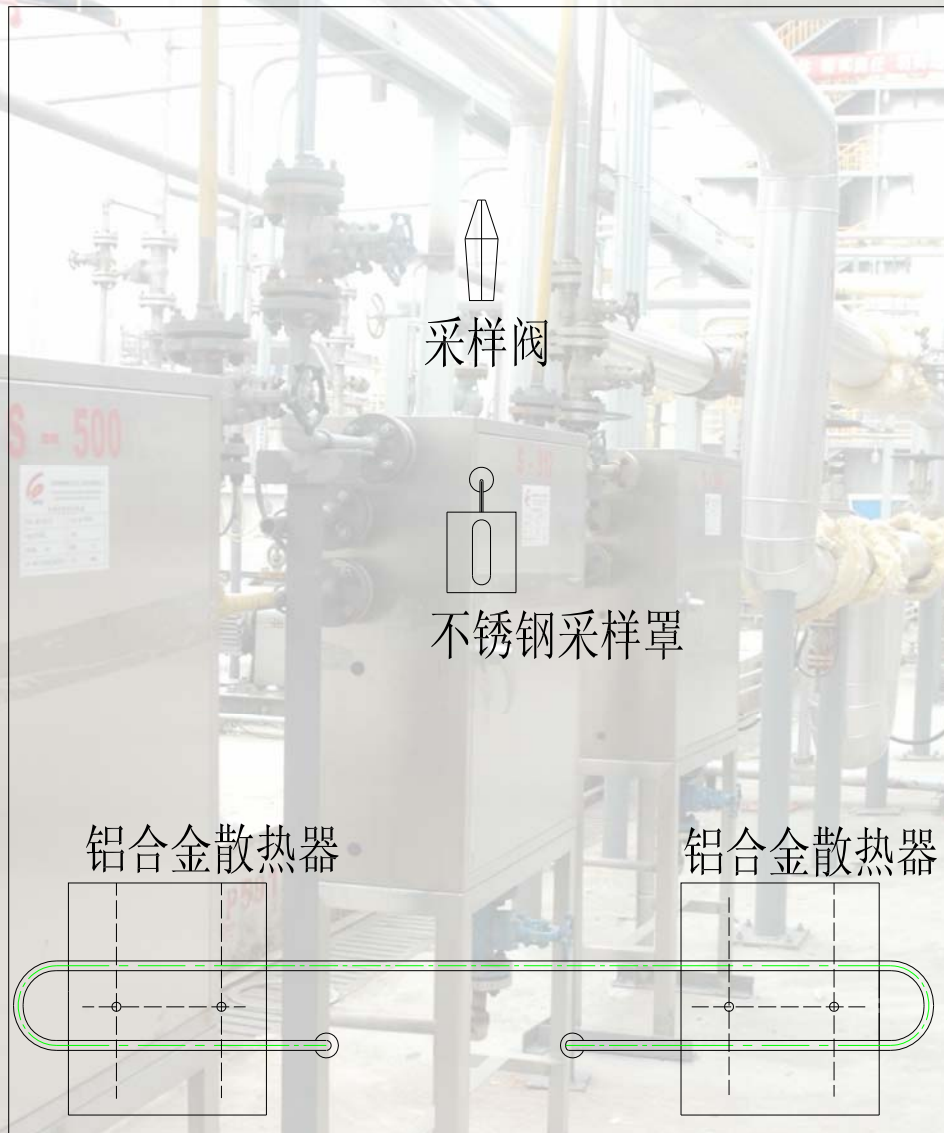




## 6、MCY—X/L/B/C 循环冷却保温吹扫型 Circulating cooling insulation purge

本款采样器也可将各种功能任意组合在一起，以满足各种采样要求。

This type of sampler can be combined with any of a variety of functions to meet the requirements of various sampling.



MCY-X /L/B/C 正面面板



## 二、 MCY—Z 在线型采样器 On-line-type

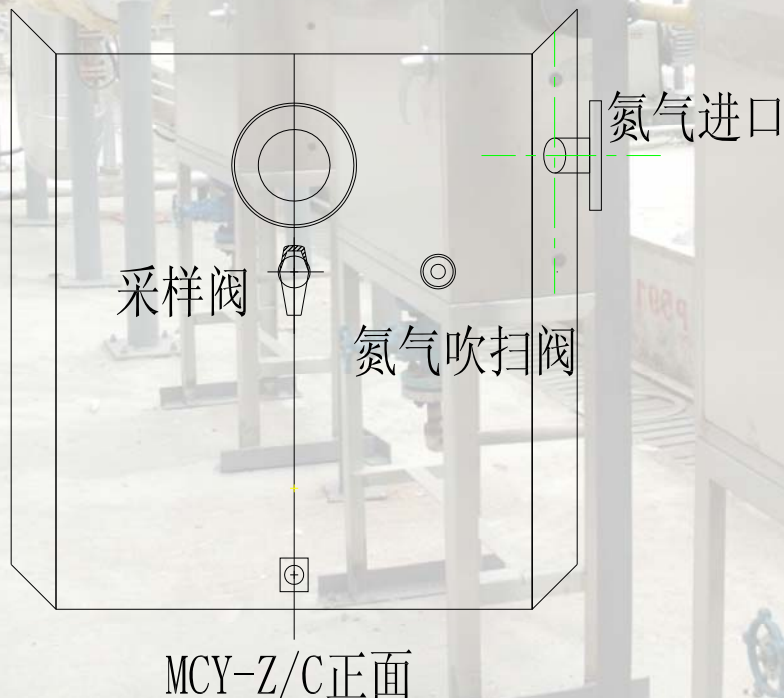
本系列采样器是被采介质在没有动力驱动或压差，无法进行循环的情况下，只能直接在工艺管线上采集新鲜样品的采样器。

This type of sampler is adopted in the condition of having not a power drive or pressure head or the case of not being circulating. It only can be directly used in process pipeline to collect fresh samples.

### 1、 MCY—Z/C 在线吹扫型 The airtight model sampler

当受到工艺条件限制没有压差，可以采用在线式采样器，由于该采样器有 2” 管道深入到物料管内部，所以，系统的采样新鲜度有保证。由于流程较短，配以氮气吹扫后，即不存在残液。对采样非常的有利。

On-line sampler can be used when there is no pressure, the sampling device has 2 "pipes deep into the material tube inside, so the freshness of sampling system is guaranteed. As the process is shorter, accompanied by nitrogen purge there is no residue. that is very favorable.





## 2、 MCY—Z/L 在线冷却型 On line cooling

本款采样器可配置冷却功能。被采介质温度过高可通过套管冷却器用循环水冷却后进行采样。

This type of sampler can be configured cooling function, the medium with high temperature can be cooler with a circulating water cooling tube after sampling.

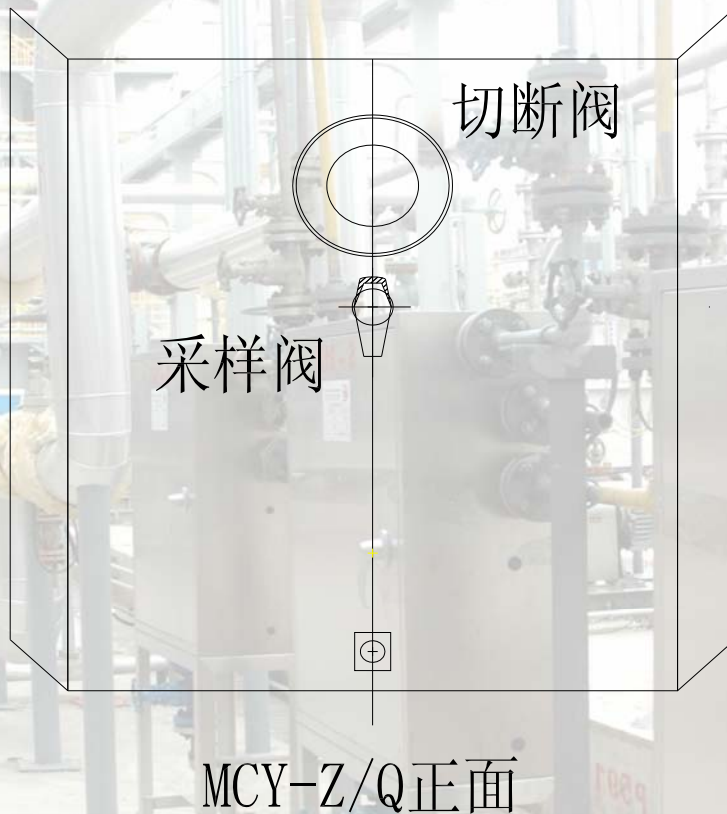




### 3、 MCY—Z/Q 在线球胆型 On line ball bladders

本款采样器可配置球胆采样功能。被采介质为气相需用各种球胆采样的，可选用此款采样器。

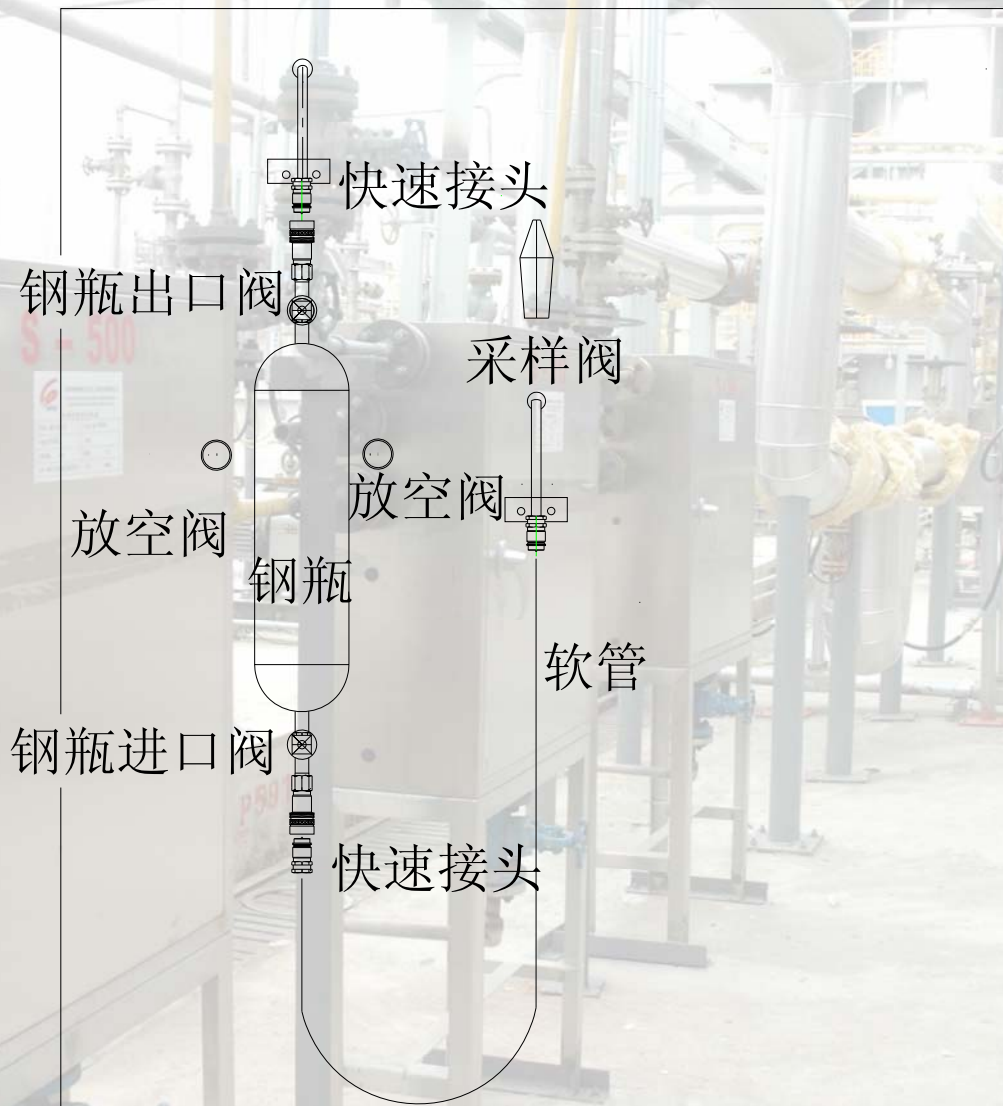
This type of sampler can be configured to sample the ball bladder function. If the medium as a gas, need to sample a variety of ball bladder, users can chose this type of sampler.



## 4、 MCY—Z/G/F 在线钢瓶放空型 On line steel bottle shorting

本款采样器用大钢瓶对各种液化气体进行采样，钢瓶内的残余气体可排放至放空总管回收，同时用新鲜气洗清钢瓶后采样。

This type of sampler to sample the various liquefied gases with large steel bottle, the residual gas inside the cylinder can be discharged to the shorting Explorer recycling, cleared of steel bottles with fresh air after the sampling at the same time.



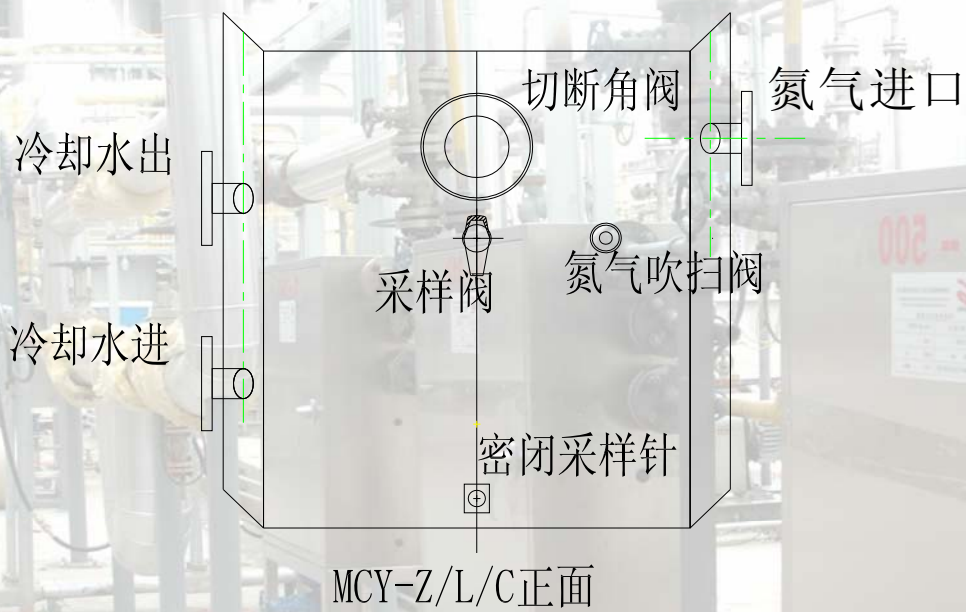
MCY—Z/G/F正面面板



## 5、MCY—Z/L/在线冷却吹扫型 On-line purge-type cooling

本款采样器也可将各种功能任意组合在一起，以满足各种采样要求。

This type of sampler can be any combination of the various functions together to meet a variety of sampling requirements.

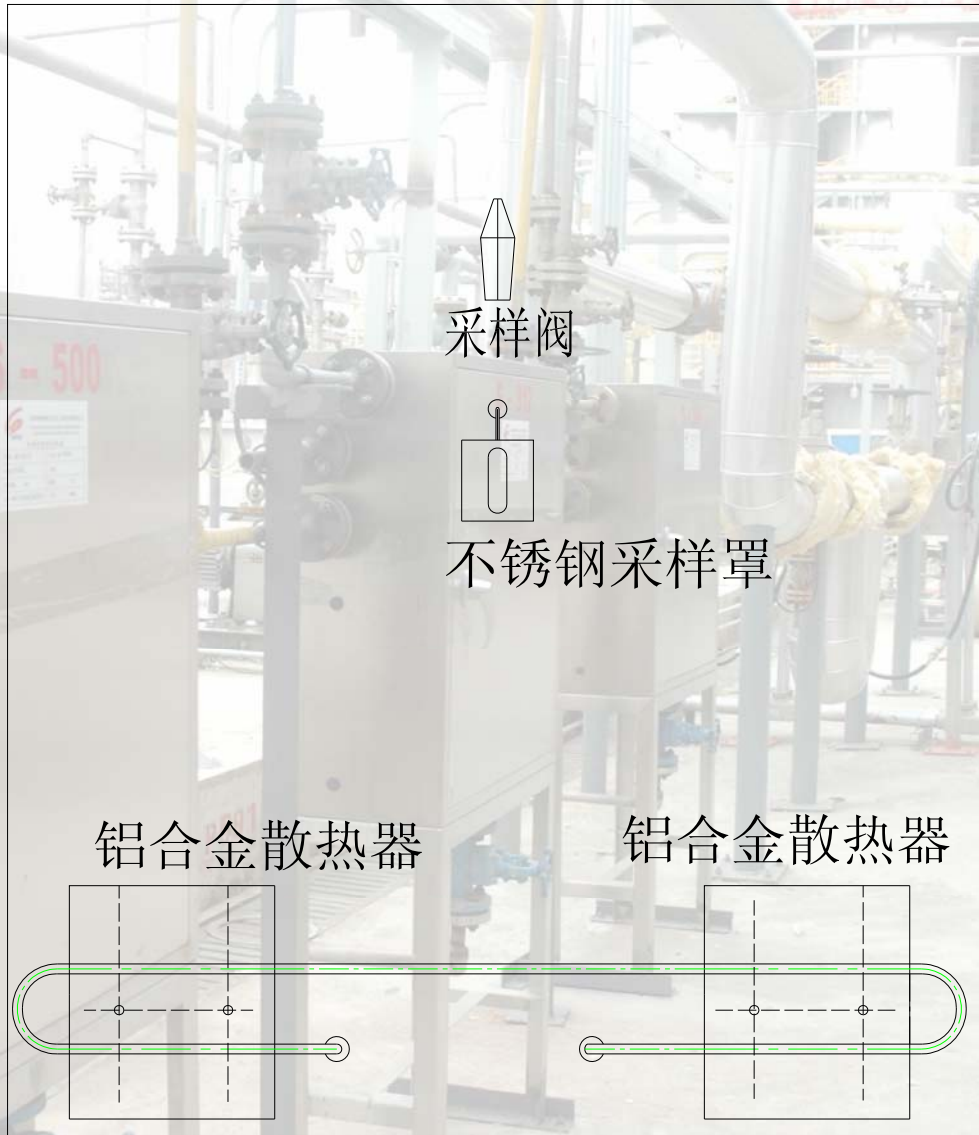




## 6、 MCY—Z/B 在线保温型 On line sampler

本款采样器也可根据用户及物料特性要求做成箱式保温型。用低压蒸汽加热器使采样器箱内保持恒温，满足要求。

The sampler can be made of box-type insulation type according to material properties and user demands. The sampler uses the low pressure steam heater to maintain a constant temperature inside the sampler to meet the requirements



MCY—Z/B 正面面板



### 三、MCY 非标型 Non-standard type of MCY sample

本公司可根据用户特殊要求量身定做非标采样器，以满足客户的各种要求。

Our company can made non-standard type of sampler according to the special requirements to meet customer demands.







专利名称：  
恒温型密闭采样器  
专利号：  
ZL200820156993.1

