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容器站 模块化概念

Container stations - modular concept



料罐设备

tank-farms

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PURPLAN
普尔潘

容器站 *Container station*

容器站能够确保聚氨酯的组份获得最佳的预处理。该模块化设计使得量身定制解决方案成为可能。

■ 概念

聚氨酯的组份一般由原材料制造商以1000L IBC集装箱或者运输罐的形式供应。容器站用以存放容器和收集泄漏的聚氨酯组份。

■ 技术

在容器站聚氨酯的组份将被进行处理。处理完成之后日用罐可被自动填充。根据客户的不同要求可以在容器站上增加一些简单或复杂的系统，如带缓冲容器的母女系统，增加特殊的搅拌器，循环泵和搅拌器的周期性断续工作设置等。

■ 容器站优点

- 容器站使得日用罐可被自动填充。
- 优化聚氨酯组份的预处理, 从而提高了生产安全及组份质量。
- 模块化设计使得解决方案更加经济。
- 符合CE认证

Container stations ensure optimum pre-conditioning of PUR components. The modular construction enables tailor-made solutions.

■ **Concept**

PUR components are provided by raw material manufacturers either in barrels, in 1000 L IBC container or in tank trucks. The container station are used for pick up the container and also collect any leaking PUR components.

■ **Technology**

The PUR components are conditioned in the container station. After this, the day containers are filled automatically. Depending on the requirements, the stations can be either very simple or highly complex systems such as mother-daughter systems with additional buffer containers, special stirrers, interval switching for circulating pumps and stirrer etc.

■ **Customer benefits**

- *The container station makes it possible to fill the day containers automatically.*
- *The PUR components are optimally pre-conditioned. This increases production reliability and component quality.*
- *The modular construction enables economically efficient individual solutions.*
- *CE conformity*



订购说明 *Ordering matrix*

容器站 **container station**
 [D] 双容器站 *double version*
 [E] 单容器站 *single version*
 [T] 母女系统 *mother-daughter-system*

液体 **medium**
 [P] 多元醇 *polyol*
 [I] 异氰酸酯 *isocyanate*

排列 **arrangement**
 [L] 左 *left*
 [R] 右 *right*

抽出泵 **extraction pump**
 [M] 隔膜泵 *diaphragm pump*
 [S] 螺杆泵 *screw pump*
 [Z] 齿轮泵 *gear pump*

接收槽结构 **pick up versions**
 [F] 固定角度倾斜 *fixed inclination*
 [P] 气动式倾斜 *pneumatic inclination*

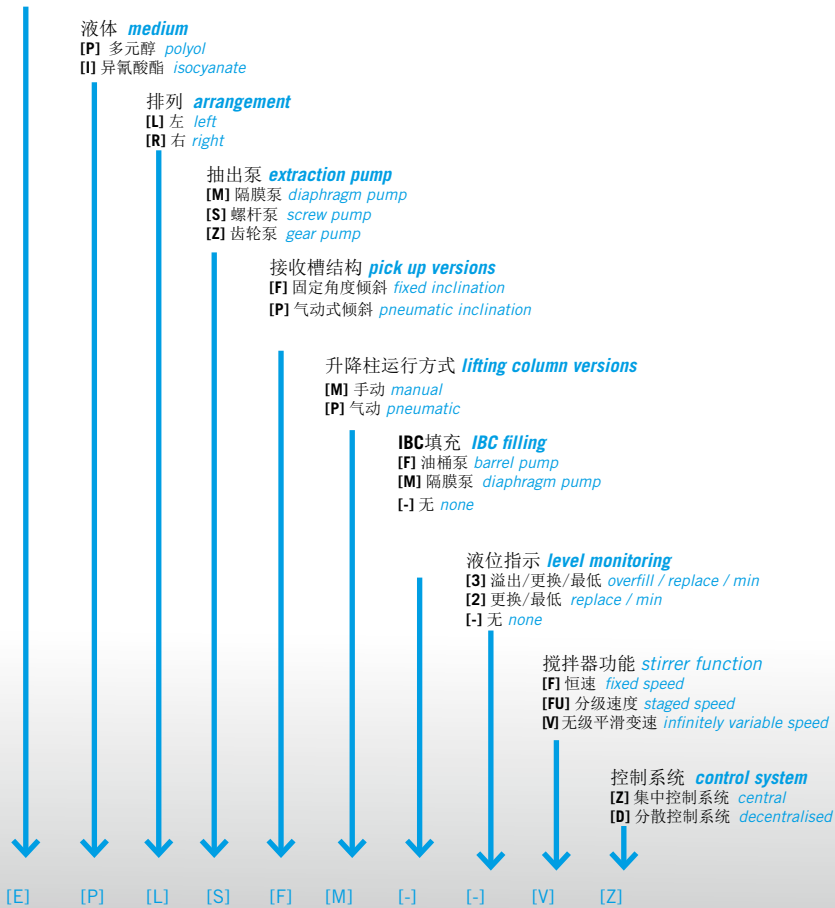
升降柱运行方式 **lifting column versions**
 [M] 手动 *manual*
 [P] 气动 *pneumatic*

IBC填充 **IBC filling**
 [F] 油桶泵 *barrel pump*
 [M] 隔膜泵 *diaphragm pump*
 [-] 无 *none*

液位指示 **level monitoring**
 [3] 溢出/更换/最低 *overflow / replace / min*
 [2] 更换/最低 *replace / min*
 [-] 无 *none*

搅拌器功能 **stirrer function**
 [F] 恒速 *fixed speed*
 [FU] 分级速度 *staged speed*
 [V] 无级平滑变速 *infinitely variable speed*

控制系统 **control system**
 [Z] 集中控制系统 *central*
 [D] 分散控制系统 *decentralised*



订购示例 *Order example*

示例: **E P L S F M - - V Z**

[E] 单个容器站
 [P] 多元醇
 [L] 左边排列
 [S] 带螺杆泵
 [F] 固定倾斜角度的接收槽
 [M] 手动方式运行的升降柱
 [-] 无
 [-] 无
 [V] 带可无级平滑变速的搅拌器
 [Z] 集中控制系统

Example: **E P L S F M - - V Z**

[E] container station as single station
 [P] for polyol
 [L] left-hand version
 [S] with screw pump
 [F] with inclined pick up
 [M] with manually operated lifting column
 [-] none
 [-] none
 [V] with infinitely variable controllable stirrer
 [Z] with central control system

■ 模块化设计的订购说明

由于采用模块化设计，使得客户根据自身需求定制个性化容器站成为可能。从简单的容器站到更高层次的解决方案一切都有可能。

设计的宗旨，为客户实现容器站的个性化。

■ *Ordering matrix for modular design*

Due to the modular design, which is based on a commercially interesting basic version, the customer has the possibility to arrange his individual container station. Everything is possible, from the basic version to the high-end solution. During design, the individuality of each single station version was focus of attention.



料罐设备 . tank-farms . 混料技术 . mixing/blending technology . 人造树脂反应设备 . resin reaction . 热工和冷工技术 . heating and cooling plants . 试验设备 . pilot plants

尺寸，大小和重量

Dimensions, sizes and weights



重量	多元醇	670 kg
	异氰酸酯	435 kg

	流量 [l/min] <i>delivery quantity [l/min]</i>	扬程 [m] <i>delivery height [m]</i>	搅拌器 [U/min] <i>stirrer [U/min]</i>	电压 [V/Hz] <i>voltage [V/Hz]</i>	功率 [kW] <i>power load [kW]</i>	空气要求 [l/min] <i>air con- sumption [l/min]</i>	长 [mm] <i>length [mm]</i>	宽 [mm] <i>width [mm]</i>	高 [mm] <i>height [mm]</i>
不带搅拌器的抽出站 <i>Extraction station without stirrer</i>	20	直到 <i>up to</i> 60	-	400/50	1,5	220	2.000	1.500	1.800
带搅拌器的抽出站 <i>Extraction station with stirrer</i>	20	直到 <i>up to</i> 60	157	400/50	2,6	300	2.000	1.500	最低 <i>min</i> 2.700 最高 <i>max</i> 3.330



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