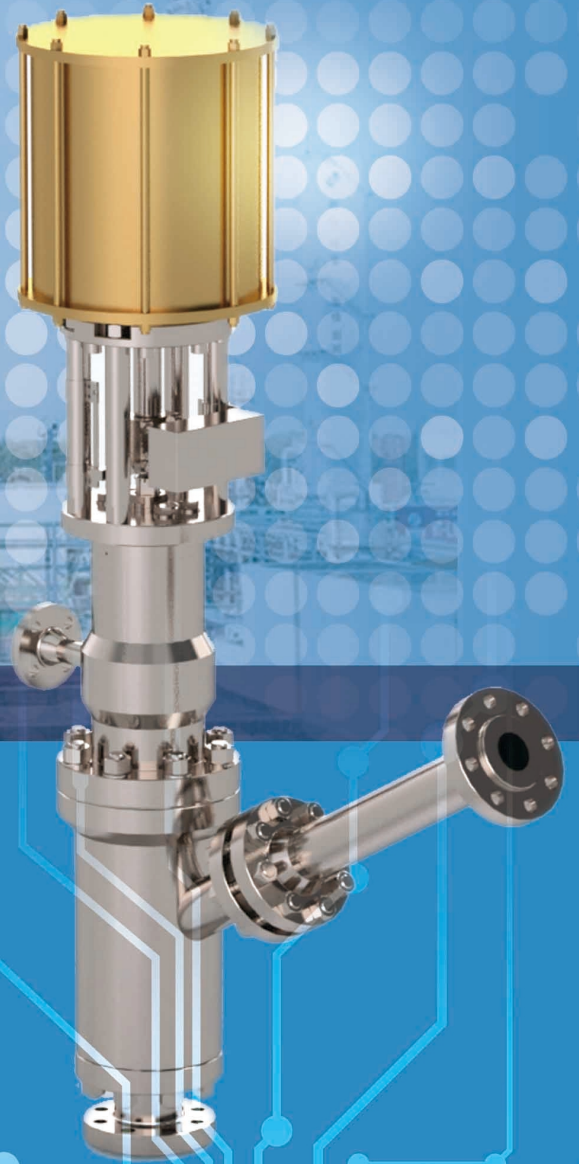


Utmost®

品质与艺术完美结合

艾坦姆流体控制技术有限公司  
Utmost Flow Control Tech.Co.,Ltd



艾坦姆

PA系列粉煤流量调节阀

PA Series Pulverized Coal Flow Regulating Valve



艾坦姆

PA系列粉煤流量调节阀

PA Series Pulverized Coal Flow Control Valve

Utmost®

## PA系列粉煤流量调节阀 PA Series Pulverized Coal Flow Regulating Valve

### PA系列粉煤流量调节阀简介 Introduction of PA Series Pulverized Coal Flow Regulating Valve

粉煤流量调节阀又称粉煤角阀，是SHELL、GSP、HT-L、CHOR等粉煤气化工艺装置中，安装在粉煤给料罐和气化炉之间，用于调节进入气化炉粉煤流量、精确控制气化炉内氧-煤比的关键设备，其性能优劣直接关系到气化炉能否实现安全、长期稳定运行。

粉煤调节阀输送的介质是以高压氮气或二氧化碳为载体，具有一定硬度的固体粉煤颗粒，为气-固两相控制系统。由于介质中粉煤的浓度较高，调节过程中易引起粉煤浓度的较大变化，粉煤易堆积、架桥、堵塞，致使流动不稳定，粉煤外泄漏易燃烧，而且阀门工作时，高速运动的粉煤颗粒对阀门造成很大的冲刷，容易造成粉煤流量不稳定，甚至调节失效，所以要求该阀门具有耐高压、耐冲刷、耐磨损、流量调节稳定等综合性能。

The pulverized coal flow regulating valve, also known as pulverized coal angle valve, is installed between the pulverized coal feeding tank and the gasification furnace in pulverized coal gasification process units such as shell, GSP, HT-L, and CHOR, and is a key device for regulating the flow of pulverized coal entering the gasification furnace and accurately controlling the oxygen-coal ratio in the gasification furnace. Its performance directly to the realization of safe and long-term stable operation of the gasification furnace.

The medium transported by the pulverized coal regulating valve is solid pulverized coal particles with a certain hardness and takes high-pressure nitrogen or carbon dioxide as a carrier, and is a gas-solid two-phase control system. As the concentration of the pulverized coal in the medium is higher, a larger change of the concentration of the pulverized coal is easily caused in the adjusting process, the pulverized coal is easily accumulated, bridged and blocked, so that the flow is unstable, and the pulverized coal is easily leaked and combusted. When the valve works, high-speed moving pulverized coal particles cause great scouring to the valve, so that the pulverized coal flow is unstable or even the adjustment is invalid, and the valve is required to have comprehensive performances of high pressure resistance, scouring resistance, abrasion resistance, stable flow regulation and other comprehensive performance.

#### 应用领域 Application Area

煤化工、其它领域气固两相介质流量调节的工况。

Coal chemical industry and other areas in gas-solid two-phase medium flow regulation conditions.

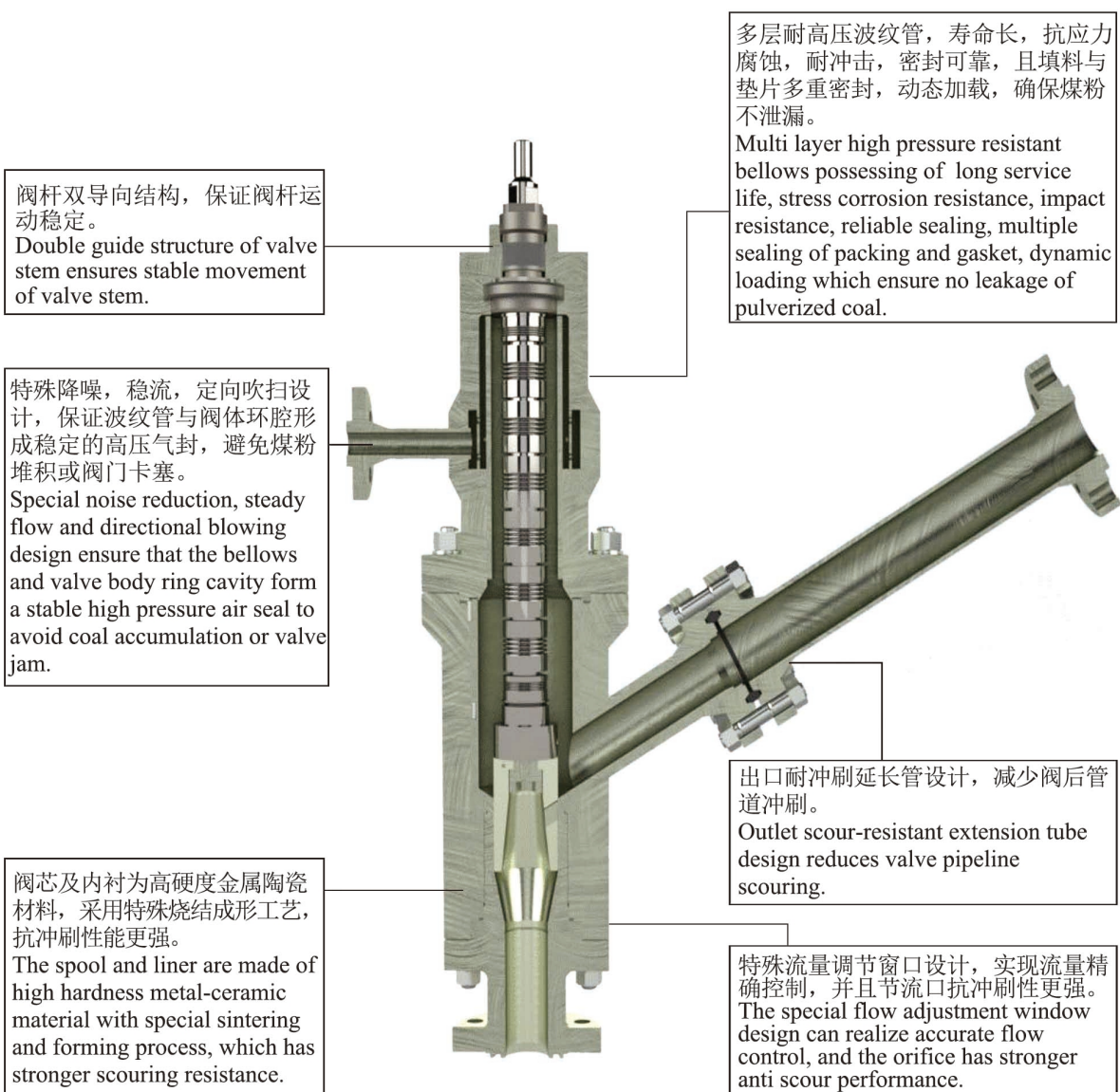


## PA系列粉煤流量调节阀

PA Series Pulverized Coal Flow Regulating Valve

### PA系列粉煤流量调节阀结构特点

Structural Characteristics of PA Series Pulverized Coal Flow Regulating Valve





## PA系列粉煤流量调节阀

### PA Series Pulverized Coal Flow Regulating Valve

#### PA系列粉煤流量调节阀技术数据

#### Technical Data of PA Series Pulverized Coal Flow Regulating Valve

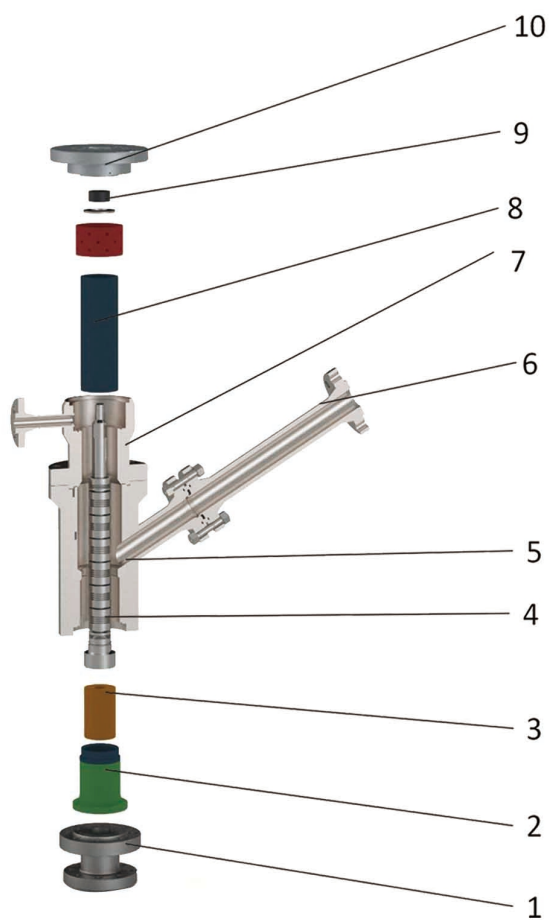
公称通径 Nominal Diameter	DN25、 40、 65、 80
公称压力 Pressure Rating	CL300, CL600, CL900
适用温度 Applicable Temperature	-20 °C — 230 °C
阀体材质 Body Material	碳钢、 不锈钢 Carbon Steel, Stainless Steel
内件材质 Inner Part Material	特殊碳化钨 Special Tungsten Carbide
波纹管材质 Bellows Material	316Ti、 321、 316L
适用介质 Suitable Media	煤粉 Pulverized Coal
流量特性 Flow Characteristics	线性 Linear
密封等级 Sealing Grade	ANSI/FCI 70-2 IV/V级
执行机构 Actuator	气缸式或膜片式气动执行机构 Cylinder Type or Diaphragm Type Pneumatic Actuator
参照标准 Reference Standards	ASME B16. 34、 ASME B16. 10、 ASME B16. 5、 API 598、 ANSI/FCI 70-2

PA系列粉煤流量调节阀  
PA Series Pulverized Coal Flow Regulating Valve

PA系列粉煤流量调节阀技术数据  
Technical Data of PA Series Pulverized Coal Flow Regulating Valve

主要零部件

Main Parts



1 入口端盖 Entrance End Caps	2 阀座组件 Valve Seat Assembly	3 阀芯 Valve Spool	4 阀杆组件 Valve Stem Assembly	5 阀体组件 Valve Housing Assembly
6 出口耐冲刷管 Export Scour-Resistant Pipes	7 阀盖组件 Valve Cover Assembly	8 内衬套 Inner Bushing	9 填料组件 Stuffing Box	10 填料函 Packing Box

## PA系列粉煤流量调节阀

PA Series Pulverized Coal Flow Regulating Valve

### PA系列粉煤流量调节阀技术数据

Technical Data of PA Series Fly Ash Flow Control Valve

#### 材质

#### Material

零件名称 Parts Name	阀体 Valve Housing	内件 Trim	波纹管 Bellows	密封件 Sealing Parts	紧固件 Fastener
材质 Material	A216 WCB A351 CF8M A182 F316 A105	A182 F316+WC	316Ti 321 316L	聚四氟乙烯 PTFE 石墨 Graphite	A193 B7/A194 2H A193 B8M/A194 8

特殊材质需求请接洽艾坦姆销售部

For special material requirements, please contact our sales department.





Utmost®

品质与艺术完美结合

不仅仅是性能卓越的产品.....

艾坦姆还通过技术方案和综合的售后服务体系，  
增强产品价值,为您的工厂提供全面支持!

More than just excellent products!

Utmost also supply technical solution and integrated after service  
system to increase products value and fully support your factory!

声明：艾坦姆保留技术进步与结构更改的权力，更新恕不另行通知。

Statement: Utmost reserves the right to technical progress and structural  
changes without notice.

艾坦姆流体控制技术(北京)有限公司

Utmost Flow Control Tech.(Beijing) Co.,Ltd

地址:北京市顺义区林河工业开发区顺仁路54号1栋1层

Add: FL, No54 of shunrenlu, Linhe Industrial Park, Shunyi district, Beijing.

电话/Tel: (8610)80490441

传真/Fax:(8610)80490446-800

网站/Web: [www.utmost-valve.com](http://www.utmost-valve.com)

艾坦姆流体控制技术有限公司

Utmost Flow Control Tech.Co,Ltd.

地址:山东省济宁市邹城市北宿镇恒发北路1号

Add: No.1 of Hengfalu, Beisu area, Zoucheng, Jining City, Shandong Province.

电话/Tel: 0537-5300022

网站/Web: [www.utmost valve.com](http://www.utmost valve.com)