

## 球阀(圆顶阀)

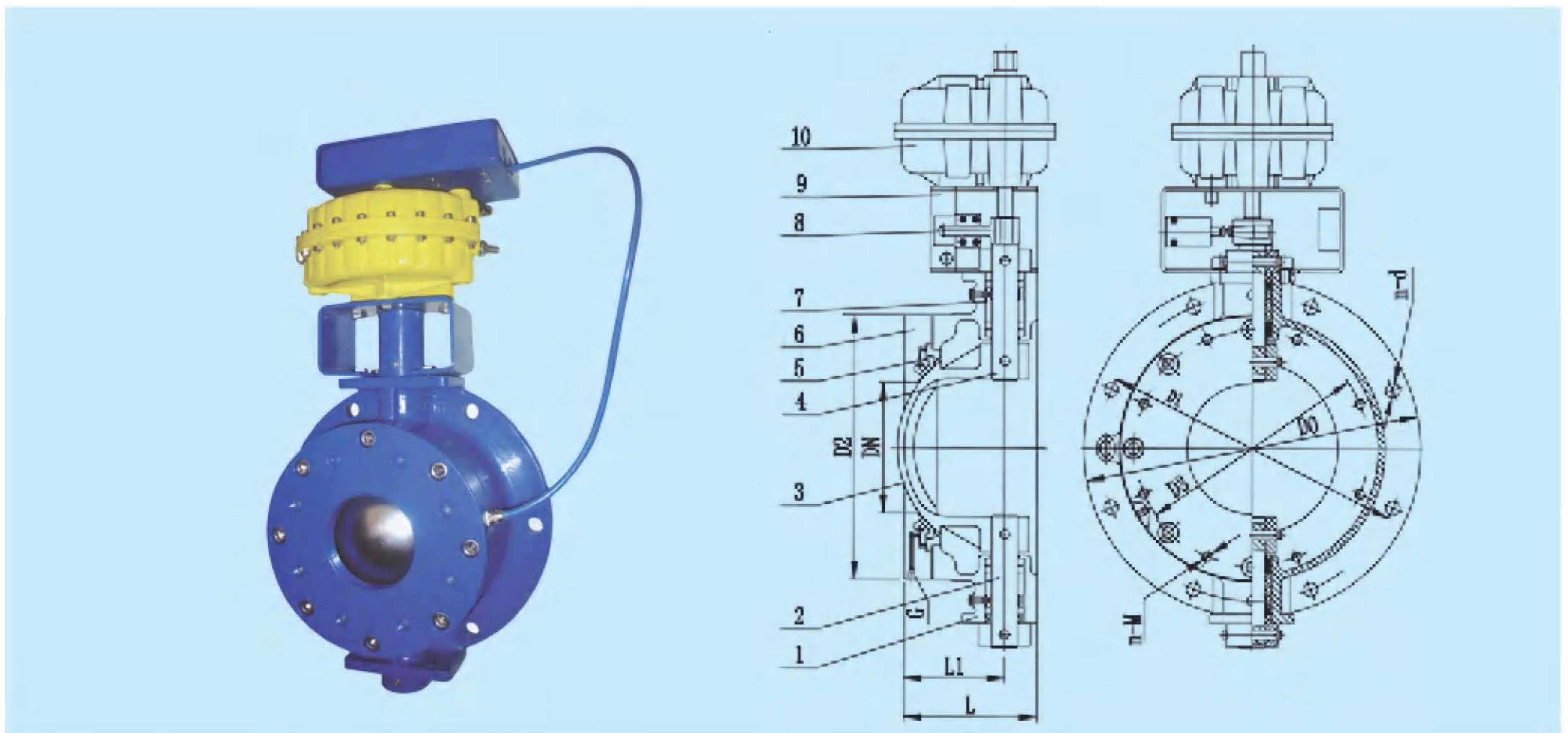
### 用途及特点 USES and features

球阀(圆顶阀)是一种新型的除灰专用阀门,壳体结构内部安装带有两个不锈钢转轴,可旋转的圆顶,在阀门转顶中装有一个充气的圆顶密封圈。阀门工作时圆顶与可充气密封圈之间无接触,密封圈采用特殊配方橡胶制成。是气力输送系统中的关键部件。阀顶动作时与密封圈无接触,运行阻力小、使用寿命长;采用可充气式密封圈,密封性好;气动执行器采用全封闭回转推杆式直缸驱动,回转输出,性能可靠,输出扭矩大,可满足在恶劣工况下工作。密封圈采用特殊材料制成,耐高温范围广;曲轴设计,阀门开启时全截面通流,并保护圆顶密封面。

本阀适用于电厂干灰系统仓泵进出料阀、矿山、水泥、化工等各类有磨损的干灰。

Ball valve (dome valve) is a new type of ash is special valves, inside the shell structure installed with two stainless steel shaft and can rotate in the dome, in turn the valve cap is equipped with an inflatable dome sealing ring. Valve work dome with no contact between inflatable sealing ring, sealing ring using a specially formulated rubber. Is the key components in the pneumatic conveying system. Valve movement with sealing ring out of contact, run small resistance, long service life; Using inflatable sealing ring, sealing well; Pneumatic actuators using closed rotary pusher straight cylinder driving, rotary output, reliable performance, large output torque, can satisfy work in bad working conditions. Seal of the use of special materials, temperature tolerance range is extensive; Crankshaft design, the valve opens when the cross section on flow, sealing surface and protect dome.

This valve is suitable for feeding and discharge pump valve power plant dry ash system storehouse, mining, cement, chemical and other kinds of dry ash with wear.



### 主要零部件材料 The major parts material

序号 serial number	名称 name	材料 material	序号 serial number	名称 name	材料 material
1	阀体 valve body	WCB	6	阀体 valve body	WCB
2	阀杆 valve stem	1CR13	7	隔环 Every ring	F6A
3	球体 sphere	WCB+ 球面镀硬铬 Spherical hard chrome plating	8	摆杆 Swinging rod	Q235
4	阀杆 valve stem	1CR13	9	支架 stents	Q235
5	密封座 Seal seat	氟橡胶 Fluorine rubber	10	气动装置 Pneumatic device	根据客户要求 According to the customer request



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## 应用规范 Application specification

设计与制造 Design and manufacture		GB/T 12224
连接端尺寸 End connection size	结构长度 The length of the structure	厂商标准 Manufacturer's standard
	法兰尺寸 Flange dimensions	厂商标准 Manufacturer's standard
检验与试验 Inspection and test		GB/T 9092
材料 material	碳钢 Carbon steel	GB/T 12229
	不锈钢 Stainless steel	GB/T 12230
标志 mark		GB/T 12220
供货 supply		GB/T 12252

## 主要技术参数 The main technical parameters

口径 DN ( mm )		100	125	150	175	200	250	300
能耗 energy consumption MPa		≤ 0.5						
工作温度 Working temperature °C		≤ 150						
控制气源 Control air supply	压力 pressure MPa	0.4-0.6						
	耗气量 Gas consumption L/ 次 time	1-3						
气缸输出转矩 Cylinder output torque N.m/5bar		75-650						

## 主要外形和连接尺寸 The main form and the connection size

DN	L	L1	D0	D1	D2	D3	G	n-M	n-d
80	120	80	280	240	200	160	1/8	4-M12	6-18
100	130	95	335	295	240	200	1/8	4-M12	6-18
125	140	110	365	325	280	240	1/8	6-M12	6-22
150	160	125	390	350	320	280	1/8	6-M12	6-22
175	180	140	440	400	360	320	1/8	8-M16	8-22
200	205	155	520	470	406	360	1/8	8-M16	8-22
250	240	185	580	525	460	420	1/8	8-M20	12-27
300	280	220	640	585	530	470	1/8	8-M20	12-27
350	320	250	740	675	605	480	1/8	8-M20	12-27