

轨道球阀

产品概述 Product overview

轨道球阀阀杆上设有导向槽和楔臂，球体下轴采用球面结构并由阀体底部支撑。球体上端设有限位销，阀杆楔臂配合，支架上装有导向销并与导向槽接触。该系列轨道球阀采用全通径结构，流阻小。密封性能可靠。广泛用于水煤浆、黑水、等含有固体颗粒的介质工况，也可用于石油，石化等行业。

Track ball valve on the stem has a guide slot and wedge arm, sphere under shaft adopts spherical structure and supported by the bottom of the valve body. Ball top sets limit pin, stem wedge arm coordination, guide pin mounted on the bracket and contact with the guide groove. This series of orbit ball valve adopts full size structure, small flow resistance. Sealed performance is reliable. Widely used in coal water slurry, blackwater, medium containing solid particles, such as working conditions, can also be used for petroleum, petrochemical and other industries.

产品特点 Product features

- 球体摆动式设计，开关无摩擦。
- 单阀座设计，避免双阀座阀门中腔压力升高的危险。
- 球体密封硬化设计，非常苛刻工况下的密封性能。
- 顶装式设计，在线维修。
- 低扭矩特性，选配较经济的执行机构。
- 阀杆防飞出设计。
- 加长阀盖设计，可满足低温时密封填料的安全要求。
- 可注入式填料设计，满足阀杆填料在线注脂维。
- Low ball swing design, the switch without friction.
- Single seat design, avoid double seat valve lumen pressure rise in danger.
- Low ball seal design, sealed performance is very harsh working conditions.
- Top mounted design, online service.
- Low torque characteristic, matching the economic actuators.
- Low stem fly out proof design.
- Lengthen the cover design, can meet the safety requirements of low temperature when packing.
- Low injection packing design, meet online on the stem packing dimension.

产品采用标准 Product Specification

设计标准 Design standard	结构长度 Structural length	连接法兰 Flanged ends	试验和检验 Inspection and test
GB 12237	QB/ZMV 107	JB/T79.1-79.4 GB/T9113.1-9113.4	GB 13927

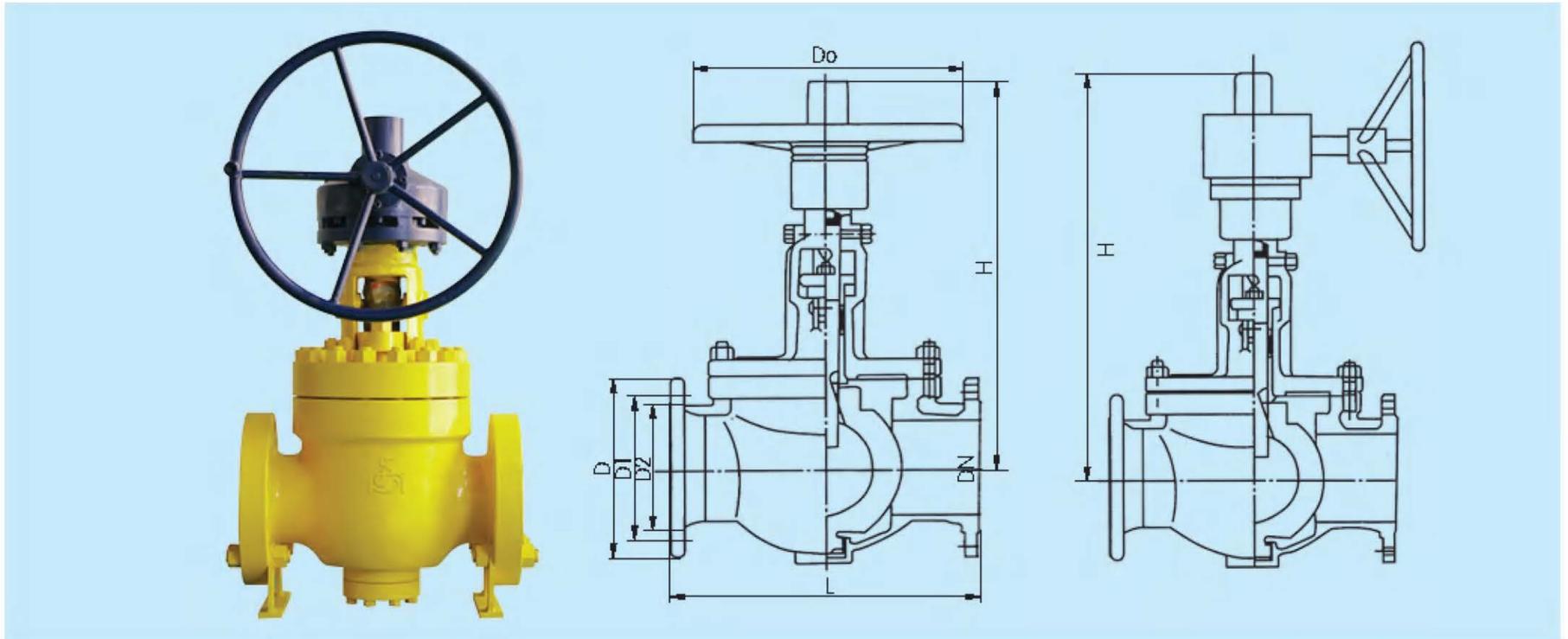
产品性能规范 Product performance specification

压力 pressure	试验压力 (MPa) Test pressure (MPa)		适用环境 Applicable environmental
	壳体试验 Shell test	密封试验 Sealing test	
1.6	2.4	1.76	易燃、易爆、易挥发、易聚合及剧毒场合。 Inflammable, explosive, volatile, easy to aggregate and virulent.
2.5	3.75	2.75	
4.0	6.0	4.4	
6.4	9.6	7.04	
适用温度 Suitable temperature	-190- ≤ 550°C		
适用介质 applicable medium	水、油、天然气及各种软性介质与悬浮液等 Water, oil, natural gas and various soft medium and slurry, etc		
驱动方式 Drive way	气动、手动、电动 Pneumatic, manual, electric		

主要零件材料 The major parts material

序号 No.	零件名称 Name	材质 material			
1	阀体、阀盖 Body and bonnet	WCB	ZG1Cr15Mo	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
2	球体 sphere	2Cr13	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
3	阀杆 valve stem	2Cr13	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
4	密封圈 Sealing ring	硬质合金、合金钢 Hard alloy, alloy steel			
5	导向销 guide pin	2Cr13 40CrMn			
6	阀杆螺母 Stem nut	铸铁黄铜 Cast iron brass			
7	螺栓 bolt	3.5	3.5	1Cr18Ni9Ti	1Cr18Ni9Ti
8	螺母 nut	35	45	1Cr18Ni9Ti	1Cr18Ni9Ti
9	填料 packing	柔性石墨球 Flexible graphite ball PTFE			
10	垫片 gasket	柔性石墨复合垫 柔性石墨缠绕垫 Flexible graphite composite gasket flexible graphite winding pads			
11	手轮 handwheel	可锻铸铁 Malleable iron			

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主要外形尺寸 (mm) Main External and Connection Dimension

型号 type	DN	L	D	D1	D2	H	Do
GQ341/941H/F/Y -16C/P/R	50	230	160	125	100	360	300
	65	290	180	145	120	410	300
	80	310	195	160	135	483	350
	100	350	215	180	155	512	350
	125	480	245	210	185	581	400
	150	480	280	240	210	581	400
	200	600	335	295	265	617	500
	250	730	405	355	320	672	600
	300	850	460	410	375	723	600
	350	980	520	470	435	758	600
	400	1100	580	525	485	791	600
450	1200	640	585	545	828	600	
500	1250	705	650	608	870	600	
GQ341/941H/F/Y -25P/R	50	230	160	125	100	360	300
	65	290	180	145	120	430	300
	80	310	195	160	135	490	350
	100	350	230	190	160	525	350
	125	480	270	220	188	604	400
	150	480	300	250	218	604	400
	200	600	360	310	278	642	500
	250	730	425	370	332	695	600
	300	850	485	430	390	742	600
	350	980	550	490	448	781	600
	400	1100	610	550	505	815	600
450	1200	660	600	555	864	600	
500	1250	730	660	610	905	600	
GQ341/941H/F/Y -40P/R	50	230	160	125	100	360	300
	65	290	180	145	120	436	300
	80	310	195	160	135	495	350
	100	350	230	190	160	530	350
	125	480	270	220	188	640	400
	150	480	300	250	218	640	400
	200	600	375	320	282	701	500
	250	730	445	385	345	750	600
	300	850	510	450	408	755	600
	350	980	570	510	465	790	600
	400	1100	655	585	535	832	600
450	1200	680	610	560	885	600	
500	1250	755	670	612	950	600	