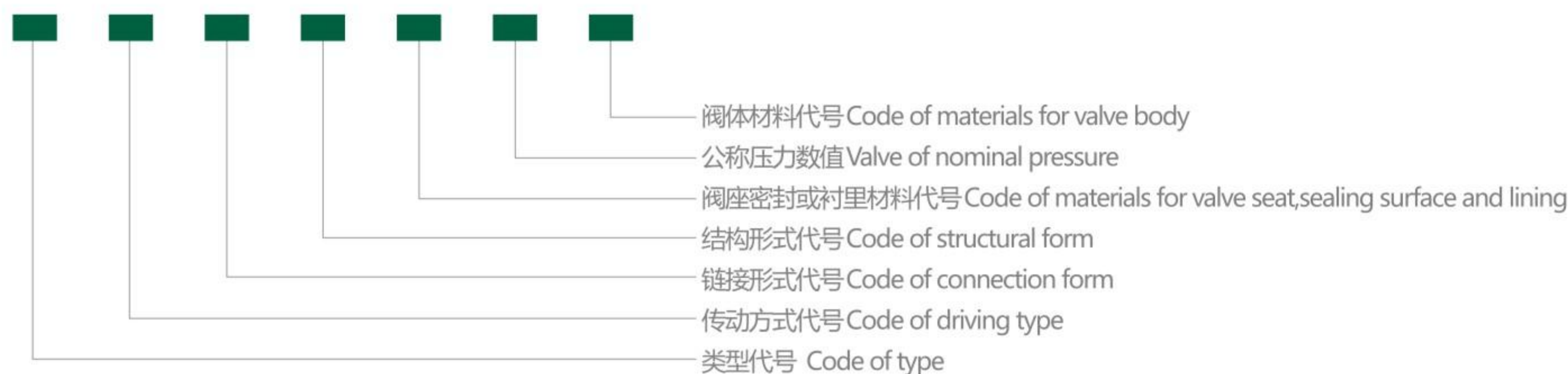


Establishment Method Of Valve Model

阀门型号编制方法

阀门型号由七个单位组成按下列顺序编制

The valve model is composed of seven units and is established according to the following sequence



类型代号 Code of type

类型 Type	代号 Code	类型 Type	代号 Code	类型 Type	代号 Code
闸阀 Gate valve	Z	蝶阀 Butterfly valve	D	安全阀 Safety valve	A
截止阀 Globe valve	J	隔膜阀 Diaphragm valve	G	减压阀 Pressure reducing valve	Y
节流阀 Throttle valve	L	旋塞阀 Plug valve	X	疏水阀 Drainage valve	S
球阀 Ball valve	Q	止回阀 Check valve	H		

传动方式代号 Code of driving type

传动方式 driving type	代号 Code	传动方式 driving type	代号 Code
电磁动 Electromagnetic drive	0	伞齿轮 Bevel gear	5
电磁液动 Electromagnetic and hydraulic	1	气动 Pneumatic	6
电液动 Electric and hydraulic	2	液动 Hydraulic	7
蜗轮 Worm wheel	3	气液动 Pneumatic and hydraulic	8
正齿轮 Spur gear	4	电动 Electric	9

注：(1) 手轮、手柄和扳手传动以及安全阀、减压阀、疏水阀省略本代号。

(2) 对于气动或液动：常开式用6K、7K表示；常闭式用6B、7B表示；气动带手动6S表示；防爆电动用9B。

Note: (1) For the safety valve, pressure reducing valve and drainage valve with handwheel, handle and wrench driving, the code is omitted.

(2) For pneumatic or hydraulic, the constant open type is expressed in 6K and 7K. The constant close type is expressed in 6B and 8B. Pneumatic and manual is expressed in 6S. Electric with anti-explosion in 9B.

连接形式代号 Code of connection form

连接形式 Connection form	内螺纹 Internal thread	外螺纹 External thread	法兰 Flange	焊接 Welding	对夹 Butt clamp	卡箍 Hoop	卡套 ferrule
代号 Code	1	2	4	6	7	8	9

结构形式代号 Code of structural form

闸阀结构形式 Structural form of gate valve				代号Code
明杆 Rising stem	楔式 Wedge type	弹性闸板Flexible gate valve		0
		刚性 Rigid	单闸板Single flashboard	1
			双闸板Double flashboard	2
	单闸板Single flashboard		3	
	双闸板Double flashboard		4	
	暗杆楔式 Non-rising stem wedge type		单闸板Single flashboard	5
		双闸板Double flashboard	6	

截止阀结构形式 Structural form of globe valve 节流阀 Throttle valve	直通式 Direct through type	角式 Angle type	直流式 Direct flow type	平衡 Balance	
				直通式 Direct through type	角式 Angle type
代号 Code	1	4	5	6	7

止回阀结构形式 Structural form of check valve	直通升降式 Direct through lifting type	升降方式 Lifting vertical type	单瓣旋启式 Single-clack swing type	多瓣旋启式 Multi-clack swing type	双瓣旋启式 Double-clack swing type
代号 Code	1	2	4	5	6

Establishment Method Of Valve Model

阀门型号编制方法

隔膜阀结构形式 Structural form of diaphragm valve	屋脊式 Ridge type	截止式 Stopping type	直流板式 Direct flow board type	闸板式 Flashboard type
代号Code	1	3	5	7

球阀结构形式 Structural form of ball valve	浮动球直通式 Floating direct through type	浮动球三通式 Floating ball three-junction type		固定球直通式 Fixing ball direct through type	固定球三通式 Fixing ball Three-junction type
代号Code	1	L型 4	T型5	7	8

蝶阀结构形式 Structural form butterfly valve	垂直板式 Vertical board type	斜板式 Sloping plate type	杠杆式 Lever type
代号Code	1	3	0

减压阀结构形式 Structural form of pressure valve	薄膜式 Film type	弹簧薄膜式 Spring film type	活塞式 Piston type	波纹管事 Bellows type	杠杆式 Lever type
代号Code	1	2	3	4	5

疏水阀结构形式 Structural form of drainage valve	浮球式 Floating ball type	钟形浮子式 Bell-shapde floater	泳冲式 Swimming Type	热动力式 Themal power type
代号Code	1	5	8	9

安全阀结构形式 Structural form of safety valve				代号Code
弹簧 Spring	密封 Closed	带散热片 With radiator	全启式 Complete starting type	0
		微启式 Micro starting type		1
		全启式 Complete starting type		2
				4
	不密封 Non-closed	带扳手 With wrench	全启式 Complete starting type	3
			双弹簧微启式 Double-spring micro starting type	7
			微启式 micro starting type	8
			全启式 Complete starting type	5
			微启式 micro starting type	6
			脉冲式 Swimming type	9
		带控制机构 With control mechanism		
		脉冲式 Swimming type		

注：杠杆式安全阀在类型代号前加 “G” 汉语拼音字母。Note:before the model code of the safety type safety valve,and the Chinese phonetic alphabet “G” .

旋塞阀结构形式 Structural form of plug valve	直通填料式 Direct through filler type	三通填料式 Three-junction filler type	直通油封式 Direct through oil seal type	三通油封式 Three-junction oil seal type
代号Code	3	4	7	8

阀座密封面或衬里材料代号 Code of materials for valve seat, sealing surface and lining

阀座密封面或衬里材料 Code of materials for valve seat, sealing surface and lining	代号Code	阀座密封面或衬里材料 Code of materials for valve seat, sealing surface and lining	代号Code	阀座密封面或衬里材料 Code of materials for valve seat, sealing surface and lining	代号Code
铜合金 Copper alloy	T	巴氏合金 Babbitt alloy	B	衬胶 Rubber lining	J
橡胶 Rubber	X	合金钢 Alloy steel	H	搪瓷 Porcelain enamel	C
尼龙塑料 Nylon plastic	N	渗氮钢 Nitriding steel	D	衬铅 Lead lining	Q
氟塑料 Flourine plastic	F	硬质合金 Hard alloy	Y	渗硼钢 Boron steel	P

注：由阀体直接加工的阀座密封面材料代号 “W” 表示；当阀座和阀瓣（闸板）密封面素材不同时，用低硬度材料代号表示（隔膜阀除外）。
Note:The code of materials for valve seat and sealing surface processed directly by the valve body is expressed in “W” 。If the materials of valve seat and clack(Flashboard)sealing surface are different,it shall be expressed in the code of materials with low hardness.(Except the diaphragm valve)

公称压力数值 Value of nominal pressure

按JB74-59 “管路附件公称压力，实验压力和工作压力” 的规定；用于电站工业阀门，当介质最高温度超过530℃时，按JB74-59第5条的规定，标注工作压力。

The value of nominal pressure shall be in accordance with the stipulations in JB74-59 “Nominal pressure,testing pressure and working pressure of pipe accessories” .For the valve used in power station industry,when the maximum temperature of the medium exceeds 530℃,according to the stipulations 5 of JB74-59,note the working pressure.

阀体材料代号 Code of materials for valve body

阀体材料 materials for valve body	代号Code	阀体材料 materials for valve body	代号Code	阀体材料 materials for valve body	代号Code
灰铸铁 Gray iron	Z	铜合金 Copper alloy	T	1Cr18Ni9Ti	P
可锻铸铁 Malleable cast iron	K	碳钢 Carbon steel	C	1Cr18Ni12Mo2Ti	R
球墨铸铁	Q	Cr5Mo	I	12CrMov	V

注：PN≤16kgf/cm2的灰铸铁阀体和PN≥25kgf/cm2的碳素钢阀体，省略本单元。
Note:For the gray iron valve body with PN≤16kgf/cm2and cast iron calve body with PN≥25kgf/cm2,the unit is omitted.

Chemical Composition And Mechanical Properties Of Steel Castings

钢制常用铸件(钢件)化学成分和力学性能

标准号 Standard number	牌号 Trademark	化学成分 Chemical composition										力学性能 Mechanical property				
		C≥	Si≥	Mn≥	P≥	S≥	Cr	Ni	Mo	V	Cu	Ob Mpa	Os Mpa	δ%	ψ%	AK/J
GB12223	WCB	0.30	0.60	1.00	0.04	0.045						485	350	22	35	
GB12229	WCC	0.25	0.60	1.2	0.04	0.045						485	275	22	35	
ZBJC8015	ZG1Cr5Mo	0.15	0.50	0.60	0.035	0.030	4.0~6.0		0.50~0.65			590	390	18	-	
ZBJC8015	ZG20CrMoV	0.18~0.24	0.17~0.37	0.4~0.70	0.030	0.030	0.9~1.2		0.50~0.70		2.00~3.0	500	320	14	30	30
ZBJC8015	ZG15Cr1Mo1V	0.14~0.20	0.17~0.30	0.4~0.70	0.030	0.030	1.20~1.7		1.00~1.2		3.00~4.0	500	350	14	30	30
GB/T5263	WC1	0.25	0.60	0.5~0.80	0.40	0.045			0.45~0.65			450	240	24	35	
GB/T5263	WC5	0.20	0.60	0.4~0.70	0.040	0.045	0.50~0.9	0.06~1.0	0.90~1.2			483	276	20	35	
GB/T5263	WC6	0.20	0.60	0.5~0.80	0.040	0.045	1.0~1.50		0.45~0.65			483	276	20	35	
GB/T5263	WC9	0.18	0.60	0.4~0.70	0.040	0.045	2.0~2.75		0.90~1.20			483	276	20	35	
GB12230 (GB2100)	ZG00Cr18Ni10	0.03	1.5	0.8~0.20	0.040	0.030	17.0~20	8.0~11.0				392	177	25	(32)	(98)
GB12230 (GB2100)	ZG0Cr18Ni9	0.08	1.5	0.8~0.20	0.040	0.030	17.0~20	8.0~11.0				441	196	25	(32)	(98)
GB12230 (GB2100)	ZG1Cr18Ni9	0.12	1.5	0.8~0.20	0.045	0.030	17.0~20	8.0~11.0				441	196	25	(32)	(98)
GB12230 (GB2100)	ZG0Cr18Ni9Ti	0.80	1.5	0.8~0.20	0.040	0.030	17.0~20	8.0~11.0		0.50~0.70		441	196	25	(32)	(98)
GB12230 (GB2100)	ZG0Cr18Ni9Ti	0.102	1.5	0.8~0.20	0.045	0.030	17.0~20	8.0~11.0		0.50~0.70		441	196	25	(32)	(98)
GB12230 (GB2100)	ZG0Cr18Ni12Ni2Ti	0.8	1.5	0.8~0.20	0.040	0.030	16.0~19	11.0~13	2.00~3.0	0.50~0.70		490	216	30	(30)	(98)
GB12230 (GB2100)	ZG1Cr18Ni12Ni2Ti	0.12	1.5	1.50	0.045	0.030	16.0~19	11.0~13	3.00~4.0	0.50~0.70		490	216	30	(30)	(98)
GB12230	CF3	0.03	2.00	1.50	0.04	0.04	17.0~21	8.0~11.0				485	206	35	-	
GB12230	CF8	0.08	2.00	1.50	0.04	0.04	18.0~21	8.0~11.0				485	206	35	-	
GB12230	CF3M	0.03	1.5	1.50	0.04	0.04	17.0~21	9.0~12.0	2.00~3.0			485	206	30	-	
GB12230	CF8M	0.08	1.50	1.50	0.04	0.04	18.0~21	9.0~12.0	3.00~4.0			485	206	30	-	
GB12230	CF8C	0.08	2.00	1.50	0.04	0.04	18.0~21	9.0~12.0			(Nb) 8xC% ~1.0	485	206	30		AKV J(mm)/ °C
JB/T7248	LCB	030	0.60	1.00	0.04	0.045						450~620	240	24	35	14/-46
JB/T7248	LC1	0.25	0.60	0.5~0.80	0.04	0.045			0.45~0.65			450~620	240	24	35	14/-59
JB/T7248	LC2	0.25	0.60	0.5~0.80	0.04	0.045		2.00~3.0				435~655	275	24	35	16/-73
JB/T7248	LC3	0.15	0.60	0.5~0.80	0.04	0.045		3.00~4.0				435~655	275	24	35	16/-101

注: 杂志 (残余) 元素的总和最大值的100%
Note:100% of total maximum value of impurity (residue)element.