



泉舜流控  
QUANSHUN FLOW CONTROL

河南泉舜流体控制科技有限公司  
HENAN QUANSHUN FLOW CONTROL SCIENCE & TECHNOLOGY CO.,LTD.



角式针型调节阀系列  
Angle Type  
Needle Regulating Valve Series



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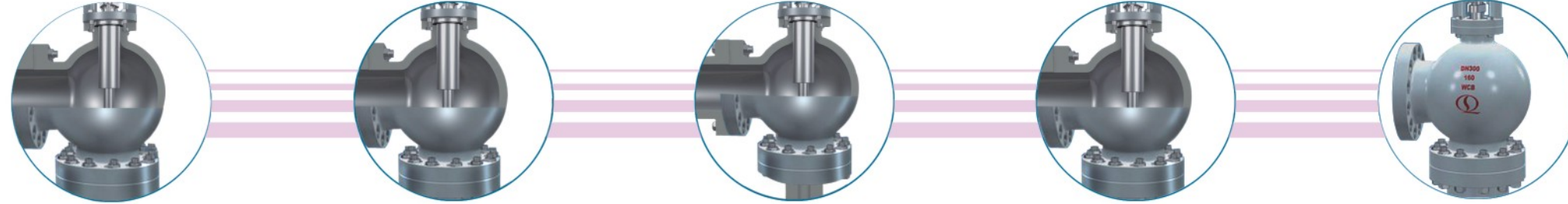


# 角式针型调节阀系列

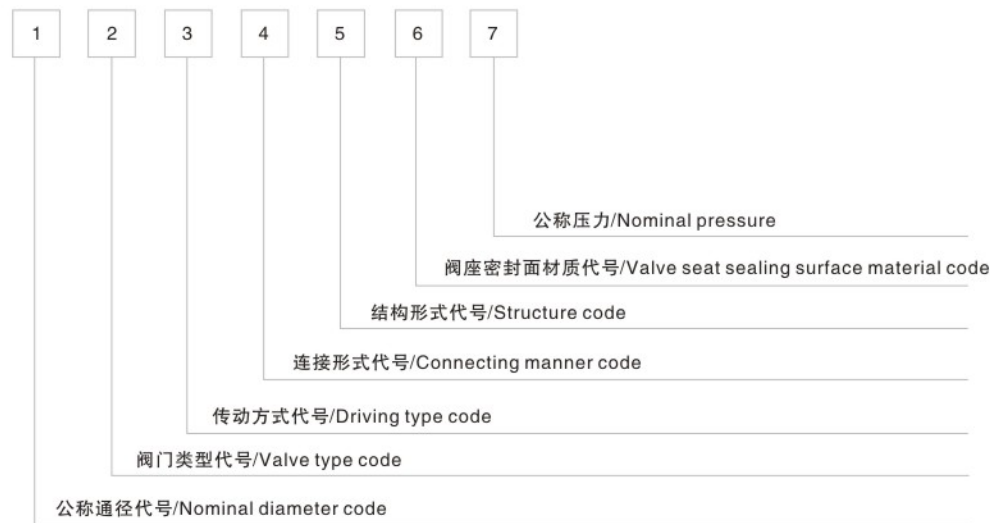
## Angle Type Needle Regulating Valve Series

# 角式针型调节阀系列

## Angle Type Needle Regulating Valve Series



### 型号编制 / Model illustration



角式针型调节阀  
Angle Type Needle Regulating Valve Series

在工艺系统中调节阀属于截流部件，起一个变阻元件的作用，其核心是一个可移动的阀芯与不动的阀座之间形成的截流窗口，改变阀芯位置，就可以改变调节阀的阻力特性，进而改变整个工艺系统的阻力特性，从而达到调节流量和压力的目的。

该系列调节阀主要应用在石油、化工、电站、轻工、造纸、医药、食品、市政环保等行业的工业自动化系统中，它对工艺系统的安全、高效运行起着举足轻重的作用。

本公司调节阀为国内最早采用引进技术开发，经过不断改进，在阀门的密封形式、密封材料、流道设计和新品种开发上均取得重大发展，产品的技术含量、综合性能、销售和服务均处于行业前列，成功应用于云南文山铝业、中铝遵义分公司、中铝河南分公司等企业，深受用户好评。

In the process system, regulating valve works as shut-off part, playing a role of variable resistance element. Its core is a shut-off area formed between movable trim and immovable seat. By changing the position of trim, you can change the resistance characteristics of the valve. Thereby changing the resistance characteristics of the whole process system, and then achieve the purpose of regulating the flow and pressure.

The regulating valve series are mainly used in the industrial automation systems in petroleum, chemical, power plants, light industry, paper making, medicine, food, municipal, environmental protection and other industries. It plays a very important role in the safe and efficient operation of process system.

Our company is the earliest to adopt introduced advanced technology to develop regulating valve. And with continuous improvement, we have made significant development in the sealing form, sealing material, flow channel design and development of new varieties of the valve. The technical content, comprehensive performance, sales and service of the product all have been in regard to the forefront of the industry. Our regulating valve has been successfully applied in Yunnan Wenshan Aluminium Co., Aluminum Corporation of China Limited Zunyi Branch and Henan Branch etc., well received by users.

- 1.公称通径代号：以英寸或毫米表示
- 2.阀门类型代号：T—阀门类型为调节阀
- 3.传动方式代号：5—伞齿轮传动 9—电动（手动略）
- 4.连接形式代号：4—法兰连接
- 5.结构形式代号：4—角式（90度）
- 6.阀座密封面材质代号：Y—密封面材质为硬质合金
- 7.公称压力：公称压力以压力等级数表示

- 1.Nominal diameter code : Inches or mm
- 2.Valve type code : T—regulating valve
- 3.Driving type code : 5—bevel gear driven 9—electric driven ( manual driven omitted)
- 4.Connecting manner code : 4—flange type
- 5.Structure code : 4—angle type ( 90° )
- 6.Valve seat sealing surface material code : Y—hard alloy sealing surface material
- 7.Nominal pressure : PN or Class series



主要零部件材料/Material of main parts

序号 No.	名称 Name	材质 Material	序号 No.	名称 Name	材质 Material
1	阀体 Body	WCB	4	阀瓣 Disc	WCB+硬质合金 WCB+hardness alloy
2	支架 Yoke	WCB	5	阀杆 Stem	20Cr13、17-4PH
3	阀座 Seat	WCB+硬质合金 WCB+hardness alloy	6	填料 Packing	柔性石墨、PTFE Grphite、PTFE

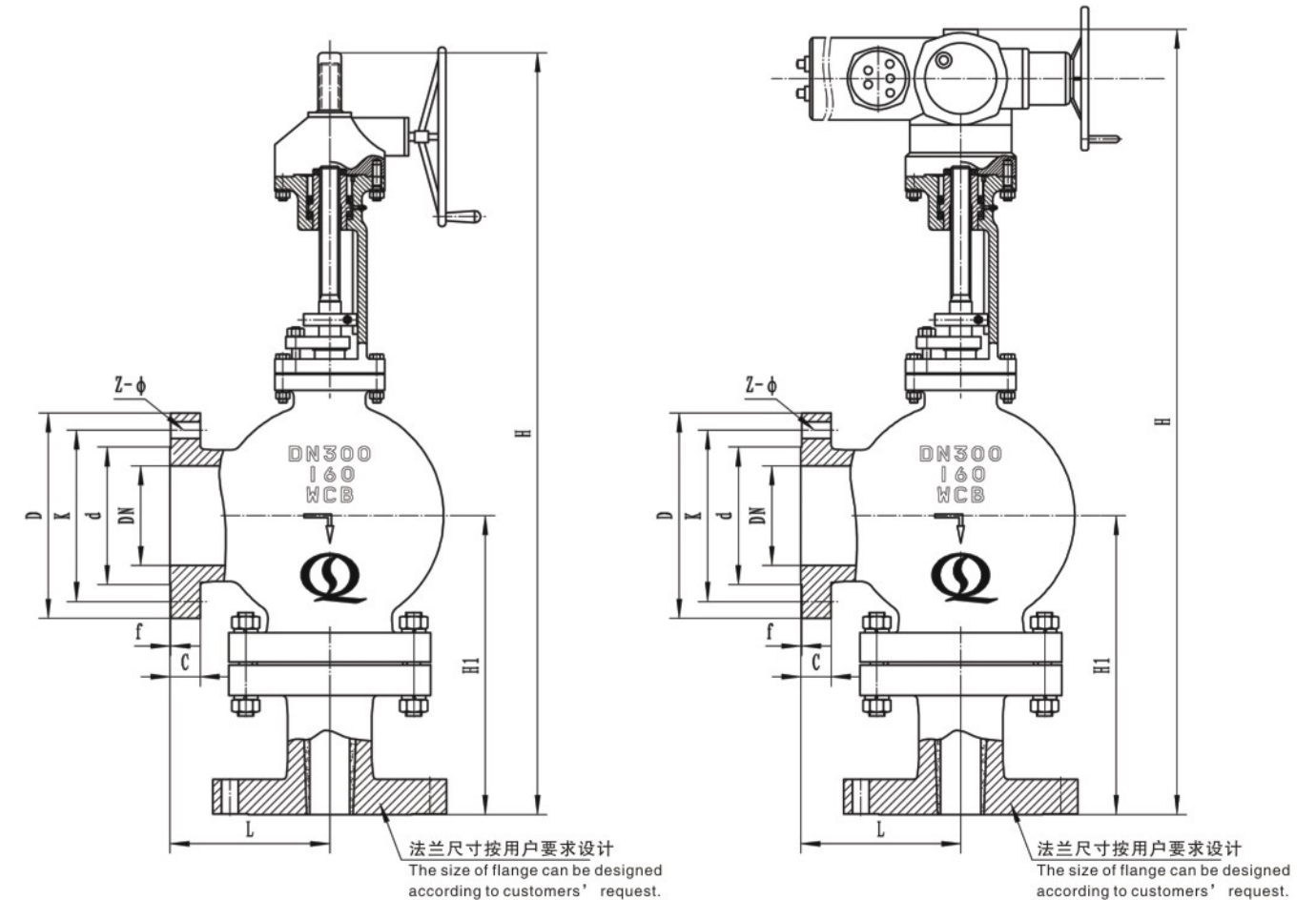
引用标准/Applicable standards

GB/T10869	电站调节阀 Control valves for power station
ASME16.34	法兰、螺纹和焊接连接的阀门 Valves—flanged, threaded and welding end
BS1873	石油、石油化工及相关工业的钢制阀 Steel valves for the petroleum, petrochemical and allied industries
GB/T9113, GB/T9115	国标法兰 Integral steel pipe flanges, steel pipe welding neck flanges
HG/T20592, HG/T20615	化工部钢制管法兰(欧洲系列) Steel pipe flanges, gaskets and bolting (PN designated)
API598	阀门检验和试验 Valve inspection and testing
GB/T12220	通用阀门标志 General purpose industrial valves—Marking
JB/T9092	检验及试验标准 Valve inspection and testing
JB/T5300	通用阀门材料 General purpose industrial valves material—Selection

产品性能规范/Products performance specification

公称压力 Nominal pressure	壳体试验压力 Shell test (MPa)	密封试验压力 Seal test (MPa)	工作温度 Applicable temperature	适用介质 Applicable medium	驱动方式 Operated type
PN2.5	3.75	2.75	≤425℃	黑水、灰水、氧化铝料浆等固、液、气三相流高冲蚀介质。 Black water, gray water, alumina slurry solid-liquid-gas stream of high erosion media	齿动、电动 Gear operated Electric operated
PN4.0	6	4.4			
PN6.3	9.6	7.04			
PN10.0	15	11			
PN16.0	24	17.6			

结构图/Structure diagram



设计参照标准/Design reference standard

- 1.设计与制造标准: GB/T10869、ASME16.34
- 2.法兰连接尺寸标准: GB/T9113、GB/T9115、HG/T20592
- 3.结构长度: 本厂标准
- 4.压力试验: API598
- 5.制造和验收: JB/T9092—1999

1. Design and manufacture standard : GB/T10869、ASME16.34
2. Flange connection dimension standard : GB/T9113、GB/T9115、HG/T20592
3. Face to face dimension : Manufacturer's standard
4. Pressure testing : API598
5. Manufacture and acceptance standard : JB/T9092—1999

注: 以上产品可按用户要求尺寸定制

Note: Above products can be produced according to the customers' request.



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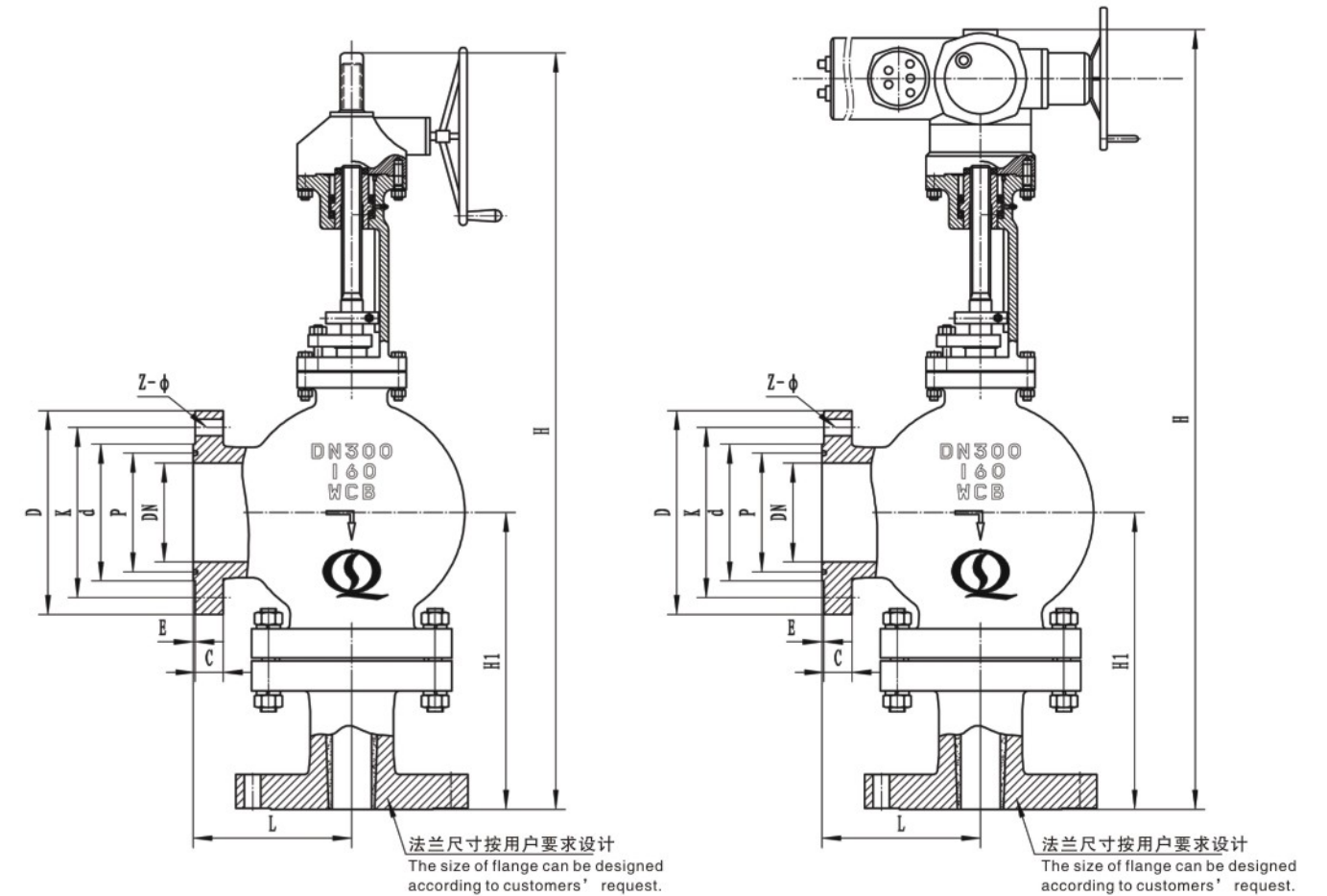
## Angle Type Needle Regulating Valve Series

### 主要外形及连接尺寸/Main outline & Connection dimension

DN/规格 DN/Nominal diameter		L	D	K	Z-φ	d	C-f	H1	H	
mm	in								齿轮 Gear- operated	电动 Electric- operated
T44/944Y-25(RF)										
125	5	265	270	220	8-26	184	26-2	435	-	1475
150	6	315	300	250	8-26	211	28-2	535	-	1610
200	8	365	360	310	12-26	274	30-2	565	-	1800
250	10	385	425	370	12-30	330	32-2	625	-	1850
300	12	400	485	430	16-30	389	34-2	750	-	2000
350	14		555	490	16-33	448	38-2	760	-	
400	16		620	550	16-36	503	40-2	800	-	
T44/944Y-40(RF)										
125	5	265	270	220	8-26	184	26-2	435	-	1475
150	6	315	300	250	8-26	211	28-2	535	-	1610
200	8	365	375	320	12-30	284	34-2	565	-	1800
250	10	385	450	385	12-33	345	38-2	625	-	1850
300	12	400	515	450	16-33	409	46-2	750	-	2000
350	14		580	510	16-36	465	46-2	760	-	
400	16		660	585	16-39	535	50-2	800	-	
T44/944Y-63(RF)										
125	5	265	295	240	8-30	184	32-2	435	-	1475
150	6	315	345	280	8-33	211	36-2	535	-	1610
200	8	365	415	345	12-36	284	42-2	565	-	1800
250	10	385	470	400	12-36	346	46-2	625	-	1850
300	12	400	530	460	16-36	409	52-2	750	-	2000
350	14		600	525	16-39	465	56-2	760	-	
400	16		670	585	16-42	535	60-2	800	-	
T44/944Y-100(RF)										
125	5	265	315	250	8-33	184	40-2	435	-	1475
150	6	315	355	290	12-33	211	44-2	535	-	1610
200	8	365	430	360	12-36	284	52-2	565	-	1800
250	10	385	505	430	12-39	345	60-2	625	-	1850
300	12	400	585	500	16-42	409	68-2	750	-	2000
350	14		655	560	16-48	465	74-2	760	-	
400	16		715	620	16-48	535	82-2	800	-	
T44/944Y-160(RF)										
125	5	265	315	250	8-33	184	56-2	435	-	1475
150	6	315	355	290	12-33	211	62-2	535	-	1610
200	8	365	430	360	12-36	284	66-2	565	-	1800
250	10	385	515	430	12-42	345	76-2	625	-	1850
300	12	400	585	500	16-42	409	88-2	750	-	2000

# 角式针型调节阀系列

## Angle Type Needle Regulating Valve Series



DN/规格 DN/Nominal diameter		L	D	K	Z-φ	d	p	C-E	H1	H	
mm	in									齿轮 Gear- operated	电动 Electric- operated
T44/944Y-100(RJ)											
125	5	265	315	250	8-33	212	175	40-8	435	-	1475
150	6	315	355	290	12-33	250	205	44-8	535	-	1610
200	8	365	430	360	12-36	312	365	52-8	565	-	1800
250	10	385	505	430	12-39	376	320	60-8	625	-	1850
300	12	400	585	500	16-42	448	375	68-8	750	-	2000
350	14		655	560	16-48	505	420	74-11	760	-	
400	16		715	620	16-48	565	480	82-11	800	-	
T44/944Y-160(RJ)											
125	5	265	315	250	8-33	215	190	56-8	435	-	1475
150	6	315	355	290	12-33	255	205	62-10	535	-	1610
200	8	365	430	360	12-36	322	275	66-11	565	-	1800
250	10	385	515	430	12-42	388	330	76-11	625	-	1850
300	12	400	585	500	16-42	456	380	88-14	750	-	2000