

产品概述Product Overview

本公司生产的自力式电控温度调节阀最大的特点只需普通220V电源，利用介质自身热量，直接对蒸汽、热水、热油与气体等介质的温度实行自动调节和控制，也可使用在防止对过热或热交换场合，本产品结构简单，操作方便，选用温度范围广、响应时间快、密封性能可靠，并可在运行中随意进行调节，因而该阀广泛应用于化工、石油、食品、轻纺、宾馆与饭店等部门的热热水供应。

The major characteristic of self-operated electronic control temperature control valve is that it realizes directly automatic adjustment and control of temperatures of many mediums such as steam, hot water, hot oil and gas through using heat of mediums with requirement of 220v power supply. What's more, it can be used in the circumstance that overheating and heat exchange should be prevented. Because of its simple structure, easy operation, wide selected temperature range, fast response time and reliable sealing property as well as being optionally adjusted in service, it is widely used to provide hot water for many departments including chemical engineering, petroleum, food, light textile, hotel and restaurant.



ZZWPE型自力式电控温度调节阀

SELF-OPERATED ELECTRONIC CONTROL TEMPERATURE CONTROL VALVE

MACOTANGO VALVE GROUP

产品特点ProductsFeatures

- 1、使用现场只须具有单相交流电源AC220V和温度传感器（温包）即可自成温控系统。
- 2、执行器内具有高度集成化的FDY-258T型温控模块，将温控仪和执行器合二为一，实现机电一体化，使温控系统简化。
- 3、控制精度高，响应速度快，性能稳定可靠，工作寿命长。
- 4、适应范围广，可在很宽温度范围内进行温度控制。
- 5、结构紧凑，安装调试、使用简便。

- 1. Temperature control system can be automatically formed as long as using single phase alternating current power supply AC220v and temperaturesensor on the site.
- 2.FDY-258T temperature control module of high integration in actuator succeeds in uniting temperature controller and actuator as one, realizingelectromechanical integration and simplifying temperature control system.
- 3.It has the features of high control accuracy, rapid response speed, stable and reliable property, and long working life.
- 4. Possessed of broad subject range, it has the ability to conduct temperature control in extremely wide temperature range.
- 5. It is characterized by compact structure, easy installation and debugging, and simple usage.

技术参数Technical Parameters

阀体形式 Body form	直通式铸造阀体 Straight-through cast body
阀芯形式 Plug form	非平衡式单座阀芯 Non-balanced single seat spool
公称通径 Nominal diameter	DN20~200mm NPS 3/4"~8"
公称压力 Nominal pressure	PN1.6-4.0MPa;CLASS 150-300LB
适用温度 Applicable temperature	-20~+425℃
连接形式Connection form	法兰式 Flange
法兰距 Flange distance	符合IEC 60534 Meet IEC 60534
泄漏等级 Leakage level	按ASME B16.104规定 As per ASME B16.104
设定值偏差 Set value deviation	±5%
执行器 Actuator	温控型电动执行器 Temperature-controlled electric actuator



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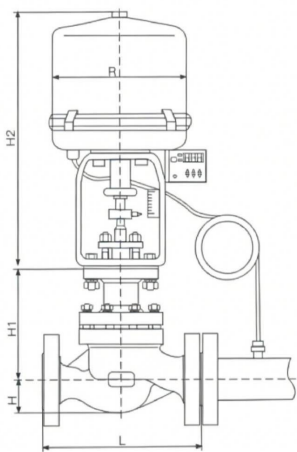
SELF-OPERATED ELECTRONIC CONTROL TEMPERATURE CONTROL VALVE

技术参数Technical Parameters

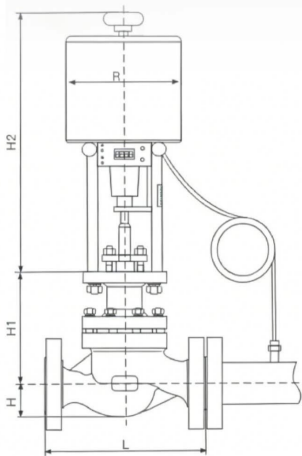
公称通径DN(mm) NPS(In)	20 3/4"	25 1"	32 1-1/4"	40 1-1/2"	50 2"	65 2-1/2"	80 3"	100 4"	125 5"	150 6"	200 8"
流通能力(m³/h) Circulation ability	7	10	16	25	40	63	100	160	250	400	630
额定行程(mm) Rated travel	6		8	10	14		20		30	30	40
阀盖形式 Bonnet type	标准型-17-+230°C、高温型+230~+425°C Standard type-17-+230°C,high temperature type +230-+425°C										
压盖型式 Gland type	螺栓压紧式 Bolt compression type										
密封填料 Sealing packing	V型聚四氟乙烯填料、含浸聚四氟乙烯填料、石棉编织填料、柔性石墨 V-type PTFE packing,impregnated PTFE packing, asbestos braided packing,flexible graphite										
阀芯形式 Plug form	单座、套筒式阀芯 The single seater,sleeve type valve										
流量特性 Flow characteristics	直线性 Straight line										
调节精度(°C) Adjustment precision	±1-±5										
使用介质 Using medium	蒸汽、水、油、气体 Steam, water, oil. gas										
允许泄漏量 Allowable leakage	硬密封 Hard seal	10 ⁻⁴ ×阀额定容量 10 ⁻⁴ x valve rated capacity									
	软密封 Soft seal	"0"									
温包、毛细管材料 Temperature package capillary material	H62、1Cr18Ni9Ti										
毛细管长度 Capillary length	3米、5米、10米 3 meters,5 meters,10 meters										
温度控制范围 Temperature control range	0-250°C										
设定值偏差 Set value bias	+2°C										

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配3810系列温控执行器
Nith 3810 series of temperature control actuator



配GSW系列温控执行器
Nlth Gsw series of temperature control actuator

主要外形连接尺寸MainExternal ConnectionDimensions

公称通径DN(mm) NPS(In)		20 3/4"	25 1"	32 1-1/4"	40 1-1/2"	50 2"	65 2-1/2"	80 3"	100 4"	125 5"	150 6"	200 8"
L	PN16/25	180	188	200	220	252	275	300	350	400	455	555
	PN40	180	188	200	220	252	275	310	370	410	475	600
	PN64	206	210	220	251	290	315	341	398	452	511	610
H	PN16	52.5	57.5	70	75	82.5	92.5	100	110	125	142	170
	PN40	52.5	57.5	70	75	82.5	92.5	100	117.5	135	150	187.5
	PN64	65	70	77	85	90	102.5	107.5	125	147.5	172	207.5
H		132	132	158	170	179	214	221	234	270	294	331
H2	3810L	373	373	495	495	495	700	700	700	725	725	725
	PSL	465	465	465	465	465	560	560	560	560	560	788
D	3810L	225	225	225	225	225	257	257	257	310	310	310
	PSL	177	177	177	177	177	182	182	182	182	182	218

注：1、表中尺寸为不带附件标准数据，附件尺寸根据实际配置计算。
2、由于产品的技术创新与改进，尺寸可能会有所变化，最新资料请联系本公司技术部。
Note:1.The dimensions in the table are standard data without accessories.The dimensions of accessories are calculated according to the actual configuration. 2. Due to the technical innovation and improvement of the product, the size may change. Please contact the technical department of the Company for the latest information.