Utmost®

品质与艺术完美结合

艾坦姆流体控制技术（北京）有限公司

Utmost Flow Control Tech.(Beijing) Co.,Ltd

艾坦姆

G110/G150保温夹套阀

Utmost G110/G150 Insulation Jackets Valve

艾坦姆
G110/G150 保温夹套阀
G110 / G150 Insulation Jackets Valve

Utmost®

保温夹套的分类
Classification of Insulation Jacket

- **部分夹套**

连接尺寸为阀门标准法兰尺寸

当需要标准法兰尺寸，并且不需要全夹套形式的情况下，一般选用部分夹套形式。

在半夹套设计中只有中间阀体部分包含在夹套中，因此给法兰螺栓连接留出了足够空间。

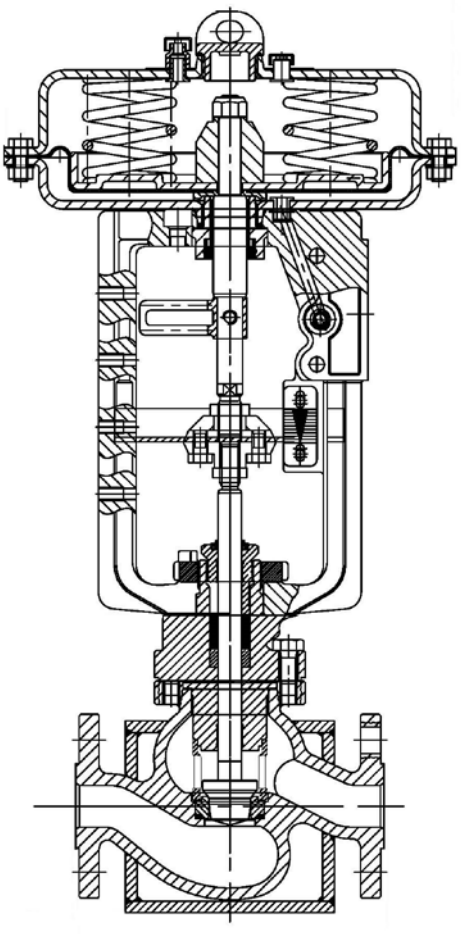
使用部分夹套时阀体形式不受影响，适用于缩颈夹套管或管道配对法兰为标准尺寸的情况。

- **Partial jacket**

Connection sizes are standard flange size.

We usually choose the form of partial jacket, when we only need standard flange size. The design features are that only the middle part of the valve body is jacketed, so we have enough space to connect the flange.

Valve body form is not affected when we choose the form of partial jacket. It is suitable for the piping pairing flange is a standard size or the reducing jacketed pipe.



半夹套

保温夹套的分类
Classification of Insulation Jacket

- **全夹套**

连接尺寸为按照夹套尺寸增大的法兰尺寸

夹套包含阀体，并且延伸到法兰和法兰之间。

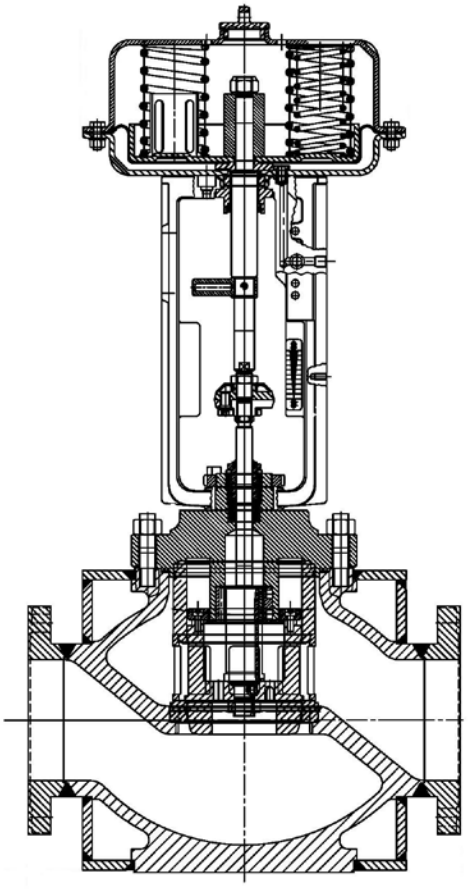
采用该种夹套形式的阀门需要增加其阀体长度及法兰尺寸，其面－面尺寸要与增加后的法兰尺寸对应的标准阀门面－面尺寸一致。例如，3″的阀门采用该种夹套形式，其法兰尺寸要增大到 4 ″ ，相应的该阀门的面－面尺寸要与 4 ″阀门的标准面－面尺寸相同，

该种夹套阀门适用于配合标准夹套管使用的情况。

- **Full Jacket**

The size of the connecting flange is expansile according to jacket size.

The jacket wraps around the valve body and extends to the flange edge. We need to increase the body length and the size of flange when we choose the full jacket. It is consistent that the dimension of both ends of valve body and the size of the connecting flange is expansile according to jacket size. For example, when we apply this form to the 3-inch valve, its flange size should be enlarged to 4-inch. At the same time, the dimension of both ends of valve body should be consistent with the dimensions between two flange faces of the standard valve of 4-inch.



全夹套

保温夹套的分类
Classification of Insulation Jacket

法兰尺寸为标准阀门尺寸

夹套包含阀体，并且延伸到法兰和法兰之间。夹套结束于法兰的边缘。

法兰螺栓孔被修正成镶嵌插入式。阀门与配对法兰安装时必须使用插入式的螺栓。

镶嵌插入式的螺栓孔部分焊接到法兰上，其为双向密封结构，从而保证与夹套内介质接触时做到无泄漏。

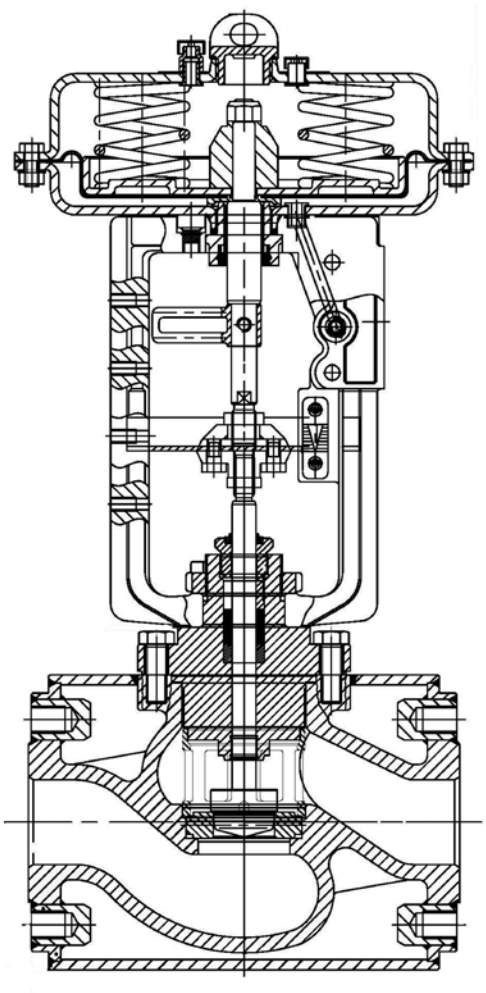
该种夹套阀门适用于缩径夹套管或配合标准尺寸管道配对法兰使用的情况

Flange size equally with standard nominal valve size.

The jacket wraps around the valve body and extends to the flange edge.

Flange bolt hole change into embedded. We must use the plug-in bolts to connect valve and companion flange. We welded the embedded bolt hole to the flange. It is a two-way sealing structure, so that we can ensure that the medium in the jacket does not leak.

It is suitable for the reducing jacketed pipe or standard size piping pair flange.



全夹套

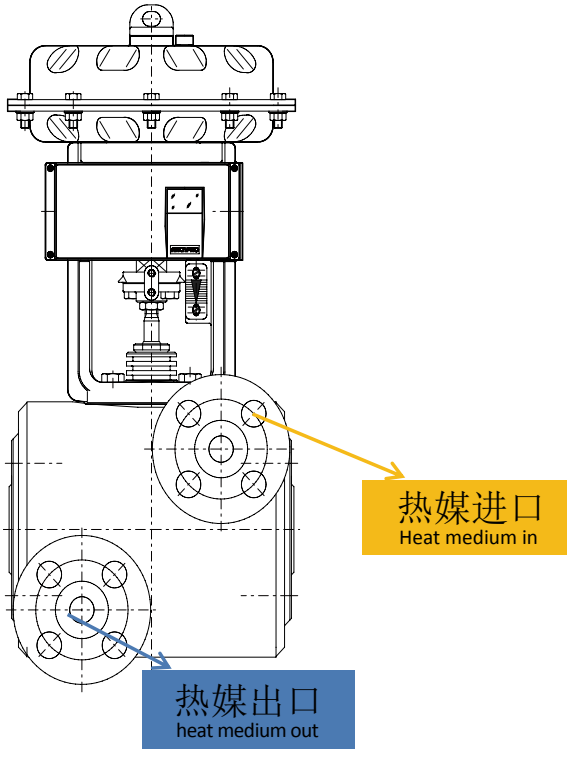
G110/G150 系列保温调节阀技术数据
Technical Data of G110/G150 Series Insulation Jackets Valve

热媒进出口的位置将影响到热传导的效果，UTM 推荐的布置方式为：

热媒的进出口为对角式布置，这种高低对角的布置方式能有效避免热媒在流动过程中存在的死角（也就是热媒积存、流通不畅从而影响加热效果）。该种布置方式尤其适用于以热水或热油等液体进行加热 的情况。
一般来说，UTM 提供的热媒进出口的连接形式为法兰连接（如图）。

The effect of heat conduction will be affected by the location of the import and export of the heat medium. The recommended arrangement by UTM is:

The location of the import and export of the heat medium is diagonally distributed, this can be effectively avoided the heat medium flow exists in the process of blind Angle (Uneven heating due to poor circulation). It is suitable for this arrangement form when the thermal medium is hot water or hot oil.
Generally speaking, the connection form of heat medium import and export is flange connection provide by UTM.

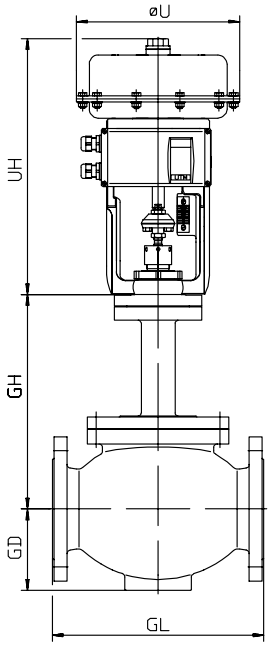


基本规格 General Data

保温夹套控制阀 Heating Jacket Control Valve	G110	G150
公称尺寸 Nominal Size DN /NPS	DN15~DN400 1/2”~16”	DN15~DN250 1/2”~10”
压力等级 Nominal Pressure PN / ANSI	PN16~40 ANSI150/300	PN63~250 ANSI600/1500
流量特性 Characteristics	等百分比特性或线型 Equal percentage or linear	
可调比 Rangeability	50:1	
阀芯导向 Plug guide	阀杆导向 Stem guided, 双导向 Double guiding	
泄漏等级 Seat leakage	金属硬密封 IV 级 Metal sealing IEC 60534-4 leakage class IV 金属硬密封 V 级 Metal sealing IEC 60534-4 leakage class V 软密封：VI 级 Soft sealing IEC IEC 60534-4 leakage class VI	
波纹管密封 Bellow sealing (Option)	无缝双壁波纹管，标准材质 316SS，可选材质：哈氏合金、Monel、Inconel 等其他材料 Seamless,double walled,made of 316SS,Option:Hastelloy, Monel、Inconel etc.	
保温夹套 Heating jacket (Option)	热媒进出口连接方式：法兰 1/2“ 或 1“ Connections 1/2“ or 1“ flanges	
填　料 Packing	V 型聚四氟乙烯填料、纯石墨、加强石墨、编织石墨。 V-PTFE Ring,Pure Graphite,Incone reinforced Graphite,PTFE Braided Graphite	
执行机构 Actuator	多弹簧执行机构 Multi-spring actuator	

G110/G150 系列保温调节阀技术数据
Technical Data of G110/G150 Series Insulation Jackets Valve

保温夹套阀密封控制阀重量和外形尺寸
Weights and dimensions of G110 series Bellows Sealing Control Valve



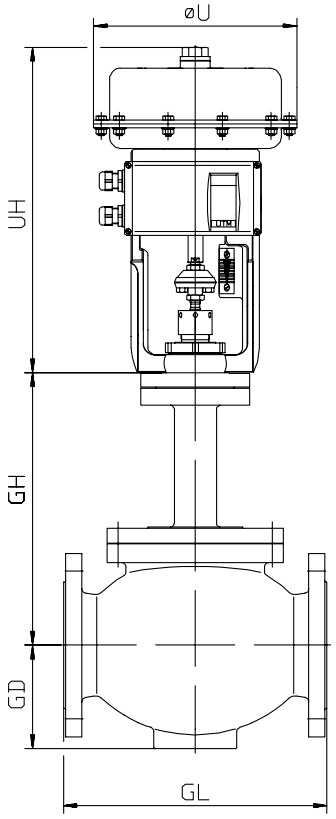
重量和尺寸　Weights and Dimensions

	公称尺寸 DN 压力等级 ANSI NPS		15 1/2''	20 3/4''	25 1''	32 -	40 1 1/2''	50 2''	65 -	80 3''	100 4''
G110 系列 G110 series	GL PN10-PN40		130	150	160	180	200	230	290	310	350
	GL Class 150 RF		177.8	181	184.1	-	222.2	254	290	298.4	352.5
	GL Class 150 RTJ		-	-	193.6	-	231.7	263.5	-	307.9	362
	GL Class 300 RF		190.5	193.6	196.8	-	234.9	266.7	290	317.5	368.3
	GL Class 300 RTJ		198	203.1	206.3	-	244.3	279.3	-	330.1	381
	DEK4		228				233			365	389
	GD		47.6	58.75	61.9	70	77.8	82.55	95	107	137
UT 型执行机构 Actuator Type UT	ØU	UT I	270							-	
		UT II	400								
		UT III	-							400	
	UH	UT I	361							-	
		UT II	489								
		UT III	618							625	
	UHV	UT I	497							-	
		UT II	652								
		UT III	-							848	
	Weight* ca. kg	UT I	20	22	23	24	31	33	41	70	93
		UT II	45	47	48	49	56	58	66	95	118
		UT III	50	52	53	54	61	63	71	100	123

*) 重量 Weight: 执行机构不含手轮的重量 Actuator weight without hand wheel

G110/G150 系列保温调节阀技术数据
Technical Data of G110/G150 Series Insulation Jackets Valve

保温夹套阀密封控制阀重量和外形尺寸
Weights and dimensions of G114 Series Bellows Sealing Control Valve



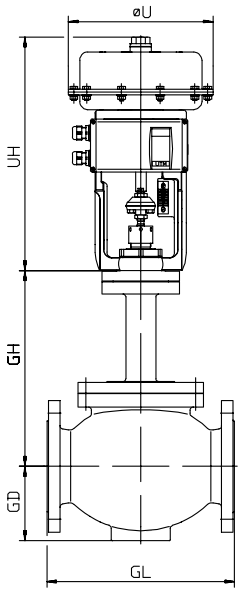
重量和尺寸　Weights and dimensions

G114 系列 G114 series	公称尺寸 DN 压力等级 ANSI NPS		150 6''	200 8''	250 10''	300 12''	350 14''	400 16''	500 20''
	GL PN10-PN40		480	600	730	850	980	1100	1250
	GL Class 150 RF		450.8	543	673	737	889	1016	1250
	GL Class 150 RTJ		460.3	553	682.5	744	898.5	1025	-
	GL Class 300 RF		473	568.4	708	777	927	1057	1250
	GL Class 300 RTJ		485.6	581	720.6	785	939.6	-	-
	DEK4		575	605	850	850	880	1069	-
	GD		189	239	305	335	395	443	540
UT 型 /UTA 型执行机构 Actuator Type UT/UTA	ØU	UT III	400		-				-
		UTA	596						
	UH	UT III	625		-				
		UTA	840.3		988.3			1580	
	UHV	UT III	848		-				
	Weight* ca. kg	UT III	200	260	-				
		UTA	340	400	460	760	850	1500	1800

*) 重量 Weight: 执行机构不含手轮的重量 Actuator weight without hand wheel

G110/G150 系列保温调节阀技术数据
Technical Data of G110/G150 Series Insulation Jackets Valve

保温夹套阀密封控制阀重量和外形尺寸
Weights and dimensions of G150 Series Bellows Sealing Control Valve



重量和尺寸　Weights and Dimensions

根据 DIN EN 1092-1 或 ANSI class 600/900/1500 RF/RTJ 标准的法兰连接的阀门尺寸 (mm) Dimensions (in mm) for valve c/w flanges acc. to DIN EN 1092-1 or ANSI Class 600/900/1500 RF/RTJ									
G150 系列 G150 series	公称尺寸 DN 压力等级 ANSI NPS		25 1“	40 1 ½“	50 2“	80 3“	100 4“	150 6“	200 8“
	GL PN63/100/160		230	260	300	380	430	550	700
	GL PN250		260	300	350	450	520	700	800
	GL Class 600 RF		216	251	292	355.6	431.8	558.8	660
	GL Class 600 RTJ		216.5	251	295	358.8	435	562	663
	GL Class 900 RF		254	305	368	381	457.2	609.6	736.6
	GL Class 900 RTJ		254	305	372	384	460.4	612.8	739.8
	GL Class 1500 RF		254	305	368	470	546	705	832
	GL Class 1500 RTJ		254	305	372	473	549	711.5	842
	DEK4		** 按需提供 on request						
UT 型 /UTA 型执行机构 Actuator Type UT/UTA	ØU	UT I	270		-				
		UT II	400					-	
		UT III	-		400				
		UTA	598					596	
	UH	UT I	361		-				
		UT II	489					-	
		UT III	-		625				
		UTA	1100					840.3	
	UHV	UT I	497		-				
		UT II	652					-	
		UT III	-		848				
	Weight* ca. kg	UT I	34	42	-				
		UT II	59	67	97	126	161	-	
		UT III	64	72	102	131	166	322	612
		UTA	204	212	242	271	306	462	752

*) 重量 Weight: 执行机构不含手轮的重量 Actuator weight without hand wheel
**) 按需提供 On request

Utmost®
品质与艺术完美结合

不仅仅是性能卓越的产品. . . . . .
艾坦姆还通过技术方案和综合的售后服务体系，
增强产品价值，为您的工厂提供全面支持！

More than just excellent products!
Utmost also supply technical solution and integrated after service system to increase products value and fully support your factory!

声明：本样本所记载的数值为标准阀门理论值及测量值，数值规格更新恕不另行通知。
Annoucement: The data of this brochure comes from standard valve in theory and measurement, data updates without notice.

艾坦姆流体控制技术（北京）有限公司
Utmost Flow Control Tech.(Beijing) Co.,Ltd
地址：北京市顺义区林河工业开发区顺仁路54号1栋1层
Add: FL, No54 of shunrenlu, Linhe Industrial Park, Shunyi district,Beijing.
电话/Tel: (8610)80490441
传真/Fax: (8610)80490446-800
网站/Web: www.utmost-valve.com

艾坦姆流体控制技术（山东）有限公司
Utmost Flow Control Tech. (Shandong) Co.,Ltd.
地址：山东省济宁市邹城市北宿镇恒发路1号
Add: No. 1 of Hengfalu, Beisu area, Zoucheng, Jining City, Shandong Province.
电话/Tel: (86537)5305966
网站/Web: www.utmost-valve.com

本艾坦姆样本设计版权和内容归艾坦姆流体控制技术（北京）有限公司所拥有，未经允许任何复制翻印将追究法律责任。