- ISO 9001、ISO14001、OHSMS 18001 管理体系认证企业
- 取得国家特种设备制造许可证
- 高新技术企业
- 四川名牌产品

安全阀选型样本



®
四川長儀油氣集輸設備股份有限公司
Sichuan Changyi Oil-gas Gathering Transportation Equipment Co.,Ltd



长仪牌系列安全阀简介

长仪牌安全阀是承压设备、容器和管线上的最佳超压保护装置，当介质压力升高超过允许值时，安全阀自动开启，继而全量排放，防止压力继续升高，当压力降低至规定值时，安全阀及时自动关闭。

长仪牌安全阀设计、制造、验收技术标准符合GB/T12243-2005的要求。

封闭式安全阀的阀盖是封闭的，利于防止灰尘和杂物侵入，防止有毒和易燃介质溢出，开放式安全阀由于阀盖敞开，利于降低弹簧腔窒的温度，主要用于蒸汽介质管道及容器，带散热器安全阀主要适用于介质温度超过350℃的工况。

带扳手弹簧式安全阀当介质压力达到开启压力的75%以上时，能利用扳手作手动开启。

全启式安全阀开启高度≥1/4流道直径，排放量大，微启式安全阀开启高度为1/20-1/40流道直径。

Introduction of changyi Brand Safety valve:

Changyi Brand safety valve, as the best device for extra-pressure protection, will automatically open and fully discharge to protect the equipment pressure from going on rise when medium's pressure rises over the allowed value and will automatically close when the pressure lowers to the setting value.

The valve conforms with GB/T12243-2005 on its design, manufacture and acceptance etc. technical standards.

The bonnet of the sealed safety valve is enclosed in order to protect dust and foreign matters from getting in and protect toxic and combustible media from over-flow, while the opened boonet of the open-type safety valve, which benefits to lower the temperature inside of the spring chamber, is mainly used for the pipeline and container with steam medium and the safety valve with radiator is suitable for the medium with a temperature over 350℃.

For the safety valve with a lever, it can be opened manually with the lever when the medium's pressure is up to over 75% of that at which the valve opens.

Full-bore safety valve's height of opening≥1/4 time the flow diameter with a large amount of discharge, the height of opening for a low-lift safety valve 1/20-1/40 time the flow diameter.

安全阀型号编制方法 Method of compiling the types safety valve

阀门的型号参照机械部标准JB308-2004《阀门型号编制方法》编制，系由以下八个部分组成：

The types of valves are generally compiled in accordance with the standard of the ministry of machine-building industry, JB308-2004 " Method of Compiling the Types of Valves ", which is composed of eight parts:

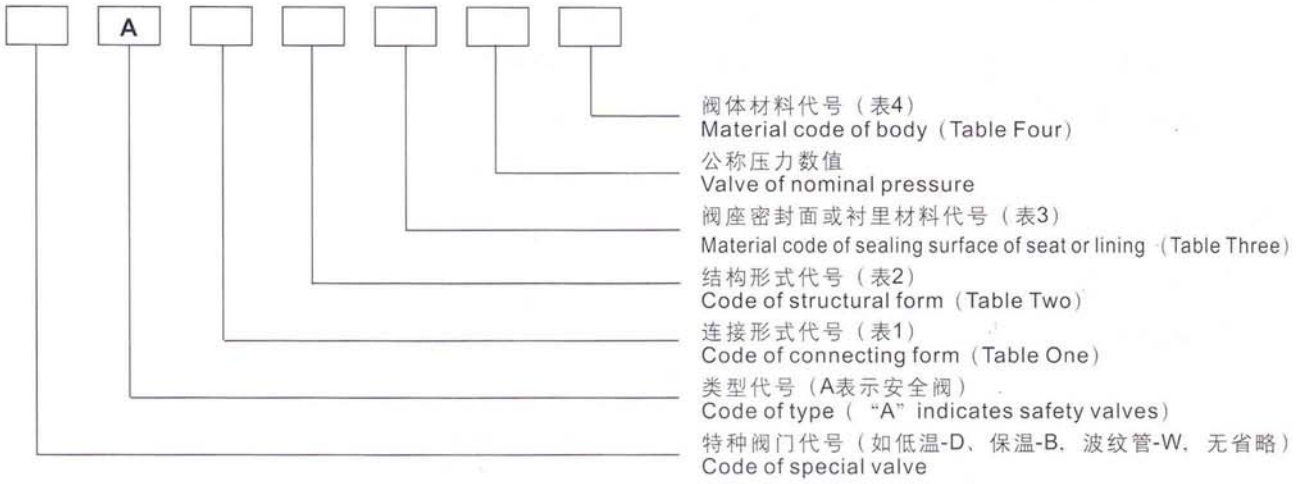


表1 Table One

连接形式 Connecting form	代号 Code
内螺纹 Internal thread	1
外螺纹 External thread	2
法兰 Flange	4
焊接 Welding	6

表2 Table Two

安全阀结构形式 Structural form of safety valve				代号 Code
弹簧式 Spring loaded type	封闭 Closed	带散热片 With radiator	全启式 Full bore type	0
		微启式 Low lift type		1
		全启式 Full bore type		2
	不封闭 Open	带扳手 With lever	全启式 Full bore type	4
			双联弹簧微启式 Double spring loaded low lift type	3
			微启式 Low lift type	7
			全启式 Full bore type	8
			微启式 Low lift type	5
		带控制机构 With controls	全启式 Full bore type	6
			脉冲式 Pulse type	9

阀座密封面或衬里材料代号用汉语拼音字母表示，如表3所列。
The material codes of sealing surface of seal or lining are indicated by Chinese phonetic letters as they are listed in table three.

表3 Table Three

阀座密封面或衬里材料 Material of sealing surface of seat or lining	代号 Code	阀座密封面或衬里材料 Material of sealing surface of seat or lining	代号 Code
铜合金 Copper alloy	T	合金钢 Alloy steel	H
橡胶 Rubber	X	渗氮钢 Nitriding steel	D
尼龙塑料 Nylon plastic	N	硬质合金 Stellite	Y
氟塑料 Fluoro plastics	F	衬胶 Lining rubber	J
锡基轴承合金（巴氏合金）Tin-base bearing alloy（Babbitt metal）	B	搪瓷 Enamel	C

注：由阀体直接加工的阀座密封面材料用“W”表示；当阀座和阀瓣密封面材料不同时，用低硬度材料代号表示。
阀体材料代号用汉语拼音字母表示。如表4所列。
Remarks: “W” indicates the material of sealing surface of seat which is processed directly together with the body. The material of sealing surface of seat is indicated by a code of low hardness material if it different from the material of sealing surface of disc.
The body of materials codes can indicated by Chinese phonetic letters as they are listed in the table four.

表4 Table Four

阀体材料 / Valve body material	代号 / Code	阀体材料 / Valve body material	代号 / Code
HT250	Z	1Cr18Ni9Ti CF8	P
WCB ZG230-450	C	1Cr18Ni12Mo2Ti CF8M	R
15CrMo. Cr5Mo	I	15CrMoV	V

注：PN≤1.6MPa的灰铸铁阀体和PN≥2.5MPa碳素钢阀体，省略本代号。
型号示例：
A42Y-16C表示：弹簧封闭全启式安全阀，法兰连接，密封面材料硬质合金，公称压力1.6MPa阀体材料为碳素钢。
Remarks: If the PN of cast-iron body is as much as or less than 1.6MPa and the PN of carbon steel body is as much as of more than 2.5MPa the present codes can omitted.
Examples:
A42Y-16C indicates: The safety valve of closed spring loaded full bore, Connected with flange. The sealing surface material is stellite. The nominal pressure is PN 1.6MPa and the body material is carbon steel.

» 安全阀整定压力分级 The conditioning pressure class of safety valve(MPa)

公称压力（MPa） Nominal pressure	整定压力分级 Set pressure grade								
1.6	0.06-0.1	0.1-0.16	0.16-0.25	0.25-0.4	0.4-0.6	0.6-0.8	0.8-1.0	1.0-1.3	1.3-1.6
2.5	>1.3-1.6	>1.6-2.0	>2.0-2.5						
4.0	>1.3-1.6	>1.6-2.0	>2.0-2.5	>2.5-3.2	>3.2-4.0				
6.4	>2.5-3.2	>3.2-4.0	>4.0-5.0	>5.0-6.4					
10.0	>4.0-5.0	>5.0-6.4	>6.4-8.0	>8.0-10					
16.0	>10-13	>13-16							
32.0	>16-19	>19-22	>22-25	>25-29	>29-32				

» 安全阀进出口法兰规定 Standards for safety valve inlet and outlet flange

法兰压力级按表5规定，进出口通径按表6规定。（MPa）
Standards for flange pressure class is table one, Standards for inlet and outlet diameter is table two

表5 Table five

安全阀公称压力 PN Nominal pressure for safety valve	1.6	2.5	4.0	6.4	10.0	16.0	32.0
进口法兰压力级 Inlet flange pressure class	1.6	2.5	4.0	6.4	10.0	16.0	32.0
出口法兰压力级 Outlet flange pressure class	1.6	1.6	1.6	4.0	4.0	4.0/16.0	16.0

表6 Table six

安全阀型式 Safety valve type	微启式 Low lift type	全启式 Full bore type
进口通径 DN Inlet diameter	同公称通径 Same as nominal diameter	
出口通径 DN' Outlet diameter	同公称通径 Same as nominal. Diameter	比公称通径增大一级或一级以上 Bigger than the nominal diameter for one grade or more.

弹簧微启封闭式安全阀
Closed Spring Loaded Low Lift Type Safety Valve

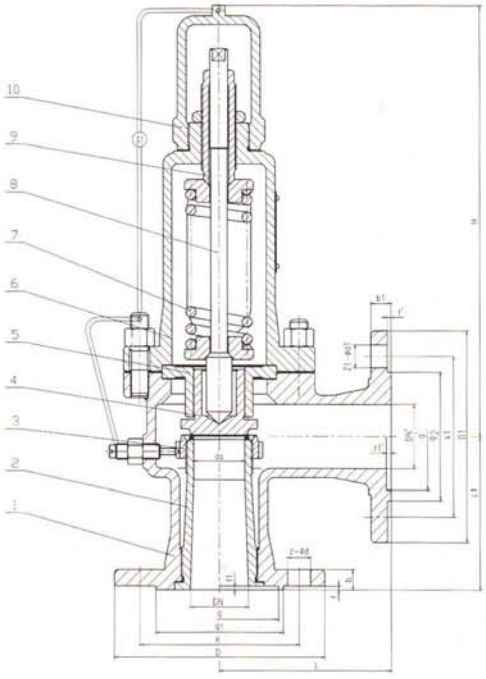
系列 Series

- *A41H-16C*
- *A41Y-16P*
- *A41Y-16R*
- *A41H-40*
- *A41Y-40P*
- *A41Y-40R*
- *A41Y-100*
- *A41Y-100P*
- *A41Y-100R*
- *A41H-25*
- *A41Y-25P*
- *A41Y-25R*
- *A41Y-64*
- *A41Y-64P*
- *A41Y-64R*
- *KA41H-16C*
- *KA41Y-25P*
- *KA41Y-40R*

A41H型适用于工作温度≤300℃的石油气、空气、水等介质的设备或管路上。A41Y-P/R型适用于工作温度≤200℃有腐蚀性介质的设备或管路上，作为超压保护装置。连接法兰标准按JB/T·····-94/系列1。

A41H type are used for the equipment and pipeline of the petroleum gas, air, water etc medium what the working temperature are less than 300℃. A41Y-P/R type are used for the equipment and pipeline of the quality with corrode medium what the working temperature are less than 200℃. Take for extra pressure devices. Flange connecting dimensions of comply with Standard series first of JB/T·····-94.





A41Y
结构图 Structural drawing

主要零部件材料 Materials for main parts

NO.	零件名称 Name of part	A41H-C/KA41Y-C 材料 Materials	A41Y-P/KA41Y-P 材料 Materials	A41Y-R/KA41Y-R 材料 Materials
1	阀体 Body	WCB	ZG1Cr18Ni12Mo2Ti	ZG1Cr18Ni12Mo2Ti
2	阀座 Nozzle	ZG2Cr13/1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti	ZG1Cr18Ni12Mo2Ti
3	调节圈 Adjusting ring	ZG2Cr13/1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti	ZG1Cr18Ni12Mo2Ti
4	阀瓣 Disc	2Cr13/1Cr18Ni9Ti	1Cr18Ni12Mo2Ti	1Cr18Ni12Mo2Ti
5	导向套 Guide sleeve	ZG2Cr13/1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti	ZG1Cr18Ni12Mo2Ti
6	阀盖 Bonnet	ZG230-450	ZG230-450	ZG230-450
7	弹簧 Spring	50CrVA	50CrVA包覆氟塑料 Coated Teflon	50CrVA包覆氟塑料 Coated Teflon
8	阀杆 Stem	2Cr13	1Cr18Ni12Mo2Ti	1Cr18Ni12Mo2Ti
9	调整螺杆 Adjusting bolt	45	2Cr13	2Cr13
10	保护罩 Cap	ZG200-400	ZG200-400	ZG200-400
	密封面材料 Sealing surface of material	堆焊D507	堆焊Co基硬质合金Depositing stellite	

外形尺寸和连接尺寸 Dimensions(mm)

型号 Type	公称通径 (DN)	do	D	K	g	g1	b	f	f1	Z-φd	DN'	D1	k1	g2	G'	b1	F'	f1'	Z1-φd1	L	L1	≈H
A41H-16C A41Y-16P A41Y-16R KA41Y-16C KA41Y-16P	20	15	105	75		55	16	2		4-14	20	105	75	55		16	2		4-14	100	85	276
	25	20	115	85		65	16	2		4-14	25	115	85	65		16	2		4-14	100	85	276
	32	25	140	100		78	18	2		4-18	32	140	100	78		18	2		4-18	115	100	285
	40	32	150	110		85	18	3		4-18	40	150	110	85		18	3		4-18	120	110	292
	50	40	165	125		100	20	3		4-18	50	165	125	100		20	3		4-18	135	120	370
	65	50	185	145		120	20	3		4-18	65	185	145	120		20	3		4-18	140	130	375
	80	65	200	160		135	20	3		8-18	80	200	160	135		20	3		8-18	160	135	373
	100	80	220	180		155	22	3		8-18	100	220	180	155		22	3		8-18	170	160	513
	125	100	250	210		185	22	3		8-18	125	250	210	185		22	3		8-18	190	190	560
	150	125	285	240		210	24	3		8-23	150	285	240	210		24	3		8-23	205	195	570
	200	150	340	295		265	26	3		12-23	200	340	295	265		26	3		12-23	240	230	717
	250	200	405	355		320	30	3		12-26	250	405	355	320		30	3		12-26	350	320	940
	300	250	460	410		375	30	4		12-26	300	460	410	375		30	4		12-26	350	320	980
A41H-25 A41Y-25P A41Y-25R KA41Y-25 KA41Y-25P	20	15	105	75		55	16	2		4-14	20	105	75	55		16	2		4-14	100	85	276
	25	20	115	85		65	16	2		4-14	25	115	85	65		16	2		4-14	100	85	276
	32	25	140	100		78	18	2		4-18	32	140	100	78		18	2		4-18	115	100	285
	40	32	150	110		85	18	3		4-18	40	150	110	85		18	3		4-18	120	110	292
	50	40	165	125		100	20	3		4-18	50	165	125	100		20	3		4-18	135	120	370
	65	50	185	145		120	22	3		8-18	65	185	145	120		20	3		4-18	140	130	375
	80	65	200	160		135	24	3		8-18	80	200	160	135		20	3		8-18	160	135	373
	100	80	230	190		160	24	3		8-23	100	220	180	155		20	3		8-18	170	160	513
	125	100	270	220		188	28	3		8-26	125	250	210	185		22	3		8-18	190	190	560
	150	125	300	250		218	30	3		8-26	150	285	240	210		24	3		8-23	205	195	570
	200	150	360	310		278	34	3		12-26	200	340	295	265		26	3		12-23	240	230	717
	250	200	425	370		332	36	3		12-30	250	405	355	320		30	3		12-26	350	320	940
	300	250	485	430		390	40	4		16-30	300	460	410	375		30	4		12-26	350	320	980
A41H-40 A41Y-40P A41Y-40R KA41Y-40 KA41Y-40P	20	15	105	75	51	55	16	2	4	4-14	20	105	75	55		16	2		4-14	100	85	276
	25	20	115	85	58	65	16	2	4	4-14	25	115	85	65		16	2		4-14	100	85	276
	32	25	140	100	66	78	18	2	4	4-18	32	140	100	78		18	2		4-18	115	100	285
	40	32	150	110	76	85	18	3	4	4-18	40	150	110	85		18	3		4-18	120	110	292
	50	40	165	125	88	100	20	3	4	4-18	50	165	125	100		20	3		4-18	135	120	370
	65	50	185	145	110	120	22	3	4	8-18	65	185	145	120		20	3		4-18	140	130	375
	80	65	200	160	121	135	22	3	4	8-18	80	200	160	135		20	3		8-18	160	135	373
	100	80	235	190	150	160	24	3	4.5	8-23	100	220	180	155		22	3		8-18	170	160	513
	125	100	270	220	176	188	28	3	4.5	8-26	125	250	210	185		22	3		8-18	190	190	560
	150	125	300	250	204	218	30	3	4.5	8-26	150	285	240	210		24	3		8-23	205	195	570
	200	150	375	320	260	282	38	3	4.5	12-30	200	340	295	265		26	3		12-23	240	230	717
	250	200	450	385	313	345	42	3	4.5	12-34	250	405	355	320		30	3		12-26	350	320	940
	300	250	515	450	364	408	46	4	4.5	16-34	300	460	410	375		30	4		12-26	350	320	980
A41H-64 A41Y-64 A41Y-64P A41Y-64R	20	15	130	90	51	68	20	2	4	4-18	20	105	75	55	51	16	2	4	4-14	100	95	268
	25	20	140	100	58	78	22	2	4	4-18	25	115	85	65	58	16	2	4	4-14	100	95	268
	32	25	155	110	66	82	24	2	4	4-23	32	140	100	78	66	18	2	4	4-18	115	105	279
	40	32	170	125	76	95	24	3	4	4-23	40	150	110	85	76	18	3	4	4-18	135	115	330
	50	40	180	135	88	105	26	3	4	4-23	50	165	125	100	88	20	3	4	4-18	160	125	360
	65	50	205	160	110	130	28	3	4	8-23	65	185	145	120	110	22	3	4	8-18	175	160	503
	80	65	215	170	121	140	30	3	4	8-23	80	200	160	135	121	22	3	4	8-18	175	160	498
	100	80	250	200	150	168	32	3	4.5	8-26	100	235	190	160	150	24	3	4.5	8-23	190	180	530
	150	100	345	280	204	240	38	3	4.5	8-34	150	300	250	218	204	30	3	4.5	8-26	280	260	657
A41H-100 A41Y-100 A41Y-100P A41Y-100R	20	15	130	90	51	68	22	2	4	4-18	20	105	75	55	51	16	2	4	4-14	100	95	268
	25	20	140	100	58	78	24	2	4	4-18	25	115	85	65	58	16	2	4	4-14	100	95	268
	32	25	155	110	66	82	24	2	4	4-23	32	140	100	78	66	18	2	4	4-18	115	105	279
	40	32	170	125	76	95	26	3	4	4-23	40	150	110	85	76	18	3	4	4-18	135	115	330
	50	40	195	145	88	112	28	3	4	4-26	50	165	125	100	88	20	3	4	4-18	160	125	360
	65	50	220	170	110	138	32	3	4	8-26	65	185	145	120	110	22	3	4	8-18	175	160	503
	80	65	230	180	121	148	34	3	4	8-26	80	200	160	135	121	22	3	4	8-18	175	160	498
	100	80	265	210	150	172	38	3	4.5	8-30	100	235	190	160	150	24	3	4.5	8-23	190	180	530
	150	100	355	290	204	250	46	3	4.5	12-34	150	300	250	218	204	30	3	4.5	8-26	280	260	657

系列 Series

- ***A41Y-160***
- ***A41Y-160P***
- ***A41Y-160R***
- ***A41Y-320***
- ***A41Y-320P***
- ***A41Y-320R***

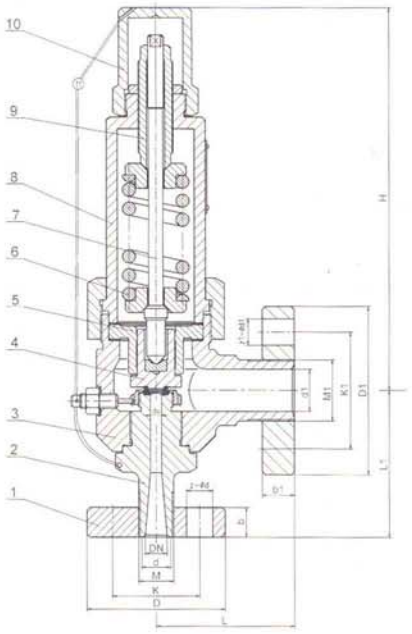
A41Y-160、320型适用于工作温度≤200℃空气、氮氢混合气、水等介质的设备和管路上。A41Y-160P/320P、A41Y-160R/320R型适用于工作温度≤200℃有腐蚀性的气体或液体介质的设备和管路上，作为超压保护装置。

连接法兰按JB/T2769-92的标准。

A41Y-160/320 type are used for the equipment and pipeline of the air, N2,H2 mixed gas, water etc. Medium what the working temperature are less than 200℃. A41Y-160P/320P, A41Y-160R/320R type are used for the equipment and pipeline of the quality with corrode gas and liquid medium what the working temperature are less than 200℃. Take for extra pressure protection devices.

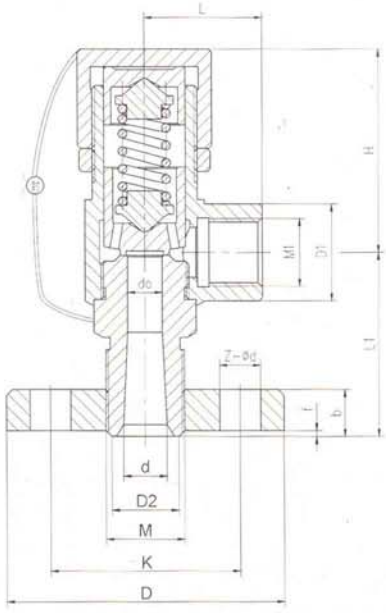
Flange connecting dimensions of comply with Standard of JB/T2769-92.





A41Y-320
结构图 Structural drawing





A41Y-160 (单法兰)
结构图 Structural drawing

主要零部件材料 Materials for main parts

NO.	零件名称 Name of part	A41Y-160 A41Y-320 材料 Materials	A41Y-160P A41Y-320P 材料 Materials	A41Y-160R A41Y-320R 材料 Materials
1	法兰 Flange	35/35CrMoA	2Cr13	1Cr18Ni9Ti
2	阀座 Nozzle	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
3	阀体 Body	35/40	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
4	阀瓣 Disc	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
5	导向套 Guide sleeve	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
6	弹簧 Spring	50CrVA	50CrVA包覆氟塑料 Coated Teflon	50CrVA包覆氟塑料 Coated Teflon
7	阀杆 Stem	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
8	阀盖 Bonnet	ZG230-450	1Cr18Ni9Ti	1Cr18Ni9Ti
9	调整螺杆 Adjusting bolt	45	2Cr13	2Cr13
10	阀帽 Cap	ZG200-400	1Cr18Ni9Ti	1Cr18Ni9Ti
	阀座、阀瓣密封面 Sealing surface of seat and disc		堆焊Co基硬质合金 Depositing stellite	

外形尺寸和连接尺寸 Dimensions (mm)

型号 Type	公称通径 (DN)	do	d	M	D	K	Z-φd	b	d_1	M_1	D_1	K_1	Z_1-φd_1	b_1	L	L_1	≈H
A41Y-160 (单法兰)	15	8	20	M24 × 2	95	60	3-18	20	/	M33 × 2	36	/	/	/	50	80	85
	20	10	25	M27 × 2	95	60	3-18	20	/	M33 × 2	48	/	/	/	50	80	85
	25	12	28	M33 × 2	105	68	3-18	20	/	M33 × 2	48	/	/	/	50	80	85
A41Y-160	10	8	18	M24 × 2	95	60	3-18	20	29	M42 × 2	115	80	4-18	22	95	100	261
	15	8	20	M24 × 2	95	60	3-18	20	29	M42 × 2	115	80	4-18	22	95	100	261
	20	10	27	M33 × 2	105	68	3-18	20	29	M42 × 2	115	80	4-18	22	95	100	261
	25	12	28	M33 × 2	105	68	3-18	20	50	M64 × 3	165	115	6-26	32	130	135	285
	32	12.14.16	37	M42 × 2	115	80	4-18	22	50	M64 × 3	165	115	6-26	32	130	135	285
	40	20	47	M52 × 2	165	115	6-26	28	65	M80 × 3	200	145	6-29	40	180	165	495
	50	25	58	M64 × 3	165	115	6-26	32	80	M100 × 3	225	170	6-33	80	190	190	510
A41Y-320	10	8	18	M24 × 2	95	60	3-18	20	29	M42 × 2	115	80	4-18	22	95	100	261
	15	8	27	M33 × 2	105	68	3-18	20	29	M42 × 2	115	80	4-18	22	95	100	261
	20	10	30	M36 × 2	110	75	3-18	20	29	M42 × 2	115	80	4-18	22	95	100	261
	25	12	35	M42 × 2	115	80	4-18	22	50	M64 × 3	165	115	6-26	32	130	135	285
	32	12.14.16	41	M48 × 2	135	95	4-22	25	50	M64 × 3	165	115	6-26	32	130	135	285
	40	20	58	M64 × 3	165	115	6-26	32	65	M80 × 3	200	145	6-29	40	180	115	495
	50	25	70	M80 × 3	200	145	6-29	40	80	M100 × 3	225	170	6-33	50	190	190	510

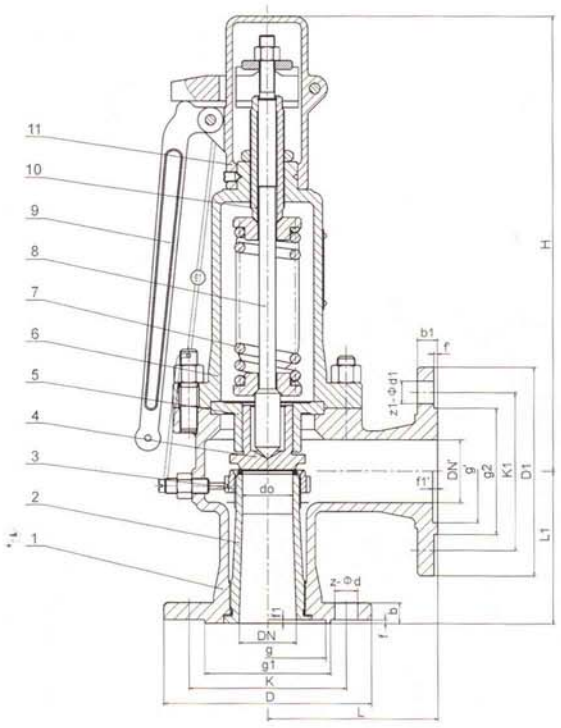
系列 Series

- *A47H-16C*
- *A47H-25*
- *A47H-40*
- *A47Y-64*
- *A47H-64*
- *A47Y-100*
- *A47H-100*

本阀门适用于工作温度≤350℃的蒸汽、空气等介质的设备或管路上。作为超压保护装置。连接法兰标准按JB/T-94的系列1。

This safety valve are used for the equipment and pipeline of the steam, air etc medium what the working temperature are less than 350℃. Take for extra pressure protection devices.
Flange connecting dimensions of comply with Standard series first of JB/T-94.





A47H
结构图 Structural drawing

主要零部件材料 Materials for main parts

NO.	零件名称 Name of part	材料 Materials
1	阀体 Body	WCB
2	阀座 Nozzle	ZG2Cr13
3	调节圈 Adjusting ring	ZG2Cr13
4	阀瓣 Disc	2Cr13
5	导向套 Guide sleeve	2Cr13
6	阀盖 Bonnet	ZG230-450
7	弹簧 Spring	50CrVA
8	阀杆 Stem	2Cr13
9	扳手 Lever	ZG200-400
10	调整螺杆 Adjusting bolt	45
11	保护罩 Cap	ZG200-400
	密封面材料 Sealing surface of material	“H” 型堆焊D507, “Y” 堆焊Co基硬质合金 “H” type Depositing D507, “Y” type Depositing stellite

» 外形尺寸和连接尺寸 Dimensions (mm)

型号 Type	公称通径 (DN)	do	D	K	g	g_1	b	f	f_1	Z-ϕd	DN'	D_1	k_1	g_2	g'	b_1	f'	f_1'	Z_1-ϕd_1	L	L_1	≈H
A47H-16C	20	15	105	75		55	16	2		4-14	20	105	75	55		16	2		4-14	100	85	270
	25	20	115	85		65	16	2		4-14	25	115	85	65		16	2		4-14	100	85	270
	32	25	140	100		78	18	2		4-18	32	140	100	78		18	2		4-18	115	100	312
	40	32	150	110		85	18	3		4-18	40	150	110	85		18	3		4-18	120	110	320
	50	40	165	125		100	20	3		4-18	50	165	125	100		20	3		4-18	135	120	390
	65	50	185	145		120	20	3		4-18	65	185	145	120		20	3		4-18	140	130	395
	80	65	200	160		135	20	3		8-18	80	200	160	135		20	3		8-18	160	135	400
	100	80	220	180		155	22	3		8-18	100	220	180	155		22	3		8-18	170	160	600
	125	100	250	210		185	22	3		8-18	125	250	210	185		22	3		8-18	190	190	620
	150	125	285	240		210	24	3		8-23	150	285	240	210		24	3		8-23	205	195	625
	200	150	340	295		265	26	3		12-23	200	340	295	265		26	3		12-23	240	230	798
	250	200	405	355		320	30	3		12-26	250	405	355	320		30	3		12-26	350	320	981
	300	250	460	410		375	30	4		12-26	300	460	410	375		30	4		12-26	350	320	1005
A47H-25	20	15	105	75		55	16	2		4-14	20	105	75	55		16	2		4-14	100	85	270
	25	20	115	85		65	16	2		4-14	25	115	85	65		16	2		4-14	100	85	270
	32	25	140	100		78	18	2		4-18	32	140	100	78		18	2		4-18	115	100	312
	40	32	150	110		85	18	3		4-18	40	150	110	85		18	3		4-18	120	110	320
	50	40	165	125		100	20	3		4-18	50	165	125	100		20	3		4-18	135	120	390
	65	50	185	145		120	22	3		8-18	65	185	145	120		20	3		4-18	140	130	395
	80	65	200	160		135	24	3		8-18	80	200	160	135		20	3		8-18	160	135	400
	100	80	230	190		160	24	3		8-23	100	220	180	155		20	3		8-18	170	160	600
	125	100	270	220		188	28	3		8-26	125	250	210	185		22	3		8-18	190	190	620
	150	125	300	250		218	30	3		8-26	150	285	240	210		24	3		8-23	205	195	625
	200	150	360	310		278	34	3		12-26	200	340	295	265		26	3		12-23	240	230	798
	250	200	425	370		332	36	3		12-30	250	405	355	320		30	3		12-26	350	320	981
	300	250	485	430		390	40	4		16-30	300	460	410	375		30	4		12-26	350	320	1005
A47H-40	20	15	105	75	51	55	16	2	4	4-14	20	105	75	55		16	2		4-14	100	85	270
	25	20	115	85	58	65	16	2	4	4-14	25	115	85	65		16	2		4-14	100	85	270
	32	25	140	100	66	78	18	2	4	4-18	32	140	100	78		18	2		4-18	115	100	312
	40	32	150	110	76	85	18	3	4	4-18	40	150	110	85		18	3		4-18	120	110	320
	50	40	165	125	88	100	20	3	4	4-18	50	165	125	100		20	3		4-18	135	120	390
	65	50	185	145	110	120	22	3	4	8-18	65	185	145	120		20	3		4-18	140	130	395
	80	65	200	160	121	135	22	3	4	8-18	80	200	160	135		20	3		8-18	160	135	400
	100	80	235	190	150	160	24	3	4.5	8-23	100	220	180	155		22	3		8-18	170	160	600
	125	100	270	220	176	188	28	3	4.5	8-26	125	250	210	185		22	3		8-18	190	190	620
	150	125	300	250	204	218	30	3	4.5	8-26	150	285	240	210		24	3		8-23	205	195	625
	200	150	375	320	260	282	38	3	4.5	12-30	200	340	295	265		26	3		12-23	240	230	798
	250	200	450	385	313	345	42	3	4.5	12-34	250	405	355	320		30	3		12-26	350	320	981
	300	250	515	450	364	408	46	4	4.5	16-34	300	460	410	375		30	4		12-26	350	320	1005
A47H-64 A47Y-64	20	15	130	90	51	68	20	2	4	4-18	20	105	75	55	51	16	2	4	4-14	100	95	301
	25	20	140	100	58	78	22	2	4	4-18	25	115	85	65	58	16	2	4	4-14	100	95	301
	32	25	155	110	66	82	24	2	4	4-23	32	140	100	78	66	18	2	4	4-18	115	105	312
	40	32	170	125	76	95	24	3	4	4-23	40	150	110	85	76	18	3	4	4-18	135	115	366
	50	40	180	135	88	105	26	3	4	4-23	50	165	125	100	88	20	3	4	4-18	160	125	396
	65	50	205	160	110	130	28	3	4	8-23	65	185	145	120	110	22	3	4	8-18	175	160	570
	80	65	215	170	121	140	30	3	4	8-23	80	200	160	135	121	22	3	4	8-18	175	160	565
	100	80	250	200	150	168	32	3	4.5	8-26	100	235	190	160	150	24	3	4.5	8-23	190	180	597
	150	100	345	280	204	240	38	3	4.5	8-34	150	300	250	218	204	30	3	4.5	8-26	280	260	738
A47H-100 A47Y-100	20	15	130	90	51	68	22	2	4	4-18	20	105	75	55	51	16	2	4	4-14	100	95	301
	25	20	140	100	58	78	24	2	4	4-18	25	115	85	65	58	16	2	4	4-14	100	95	301
	32	25	155	110	66	82	24	2	4	4-23	32	140	100	78	66	18	2	4	4-18	115	105	312
	40	32	170	125	76	95	26	3	4	4-23	40	150	110	85	76	18	3	4	4-18	135	115	366
	50	40	195	145	88	112	28	3	4	4-26	50	165	125	100	88	20	3	4	4-18	160	125	396
	65	50	220	170	110	138	32	3	4	8-26	65	185	145	120	110	22	3	4	8-18	175	160	570
	80	65	230	180	121	148	34	3	4	8-26	80	200	160	135	121	22	3	4	8-18	175	160	565
	100	80	265	210	150	172	38	3	4.5	8-30	100	235	190	160	150	24	3	4.5	8-23	190	180	597
	150	100	355	290	204	250	46	3	4.5	12-34	150	300	250	218	204	30	3	4.5	8-26	280	260	738

弹簧全启封闭式安全阀
Closed spring loaded full bore type safety valve

系列 Series

- *A42Y-16C*
- *A42Y-16P*
- *A42Y-16R*
- *KA42Y-16*
- *DA42Y-16C(P)*
- *A42Y-25*
- *A42Y-25P*
- *A42Y-25R*
- *KA42Y-25(P)*
- *DA42Y-25(P)*
- *A42Y-40*
- *A42Y-40P*
- *A42Y-40R*
- *KA42Y-40*
- *DA42Y-40(P)*
- *A42Y-64*
- *A42Y-64P*
- *A42Y-64R*
- *KA42Y-64*
- *DA42Y-64(P)*
- *A42Y-100*
- *A42Y-100P*
- *A42Y-100R*
- *KA42Y-100*
- *DA42Y-100(P)*

A42Y-C型适用于工作温度≤300℃空气、石油气、液体等介质的设备和管路上。A42Y-P型及A42Y-R型适用于工作温度≤200℃有腐蚀性的介质的设备和管路上，作为超压保护装置。

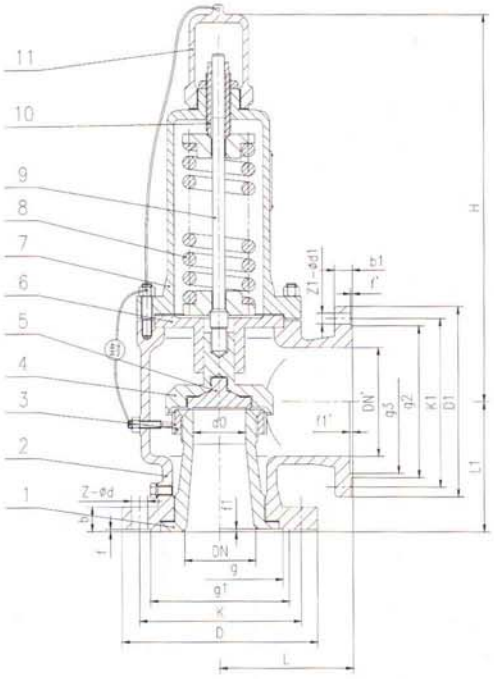
连接法兰标准按JB/T·····-94系列1。≥6.4MPa按JB/T·····-94系列2。

A42Y-C type are used for the equipment and pipeline of the air, petroleum gas, liquid etc medium what the working temperature are less than 300℃.

A42Y-P type and A42Y-R type are used for the equipment and pipeline of the quality with corrode medium what the working temperature are less than 200℃. Take for extra pressure protection devices.

Flange connecting dimensions of comply with Standard series first of JB/T·····94, Comply with Standard series twice of JB/T·····-94 when more than 6.4MPa.





A42Y
结构图 Structural drawing

主要零部件材料 Materials for main parts

NO.	零件名称 Name of part	A42Y-C/KA42Y-C 材料 Materials	A42Y-P/KA42Y-P 材料 Materials	A42Y-R 材料 Materials	DA42Y-P 材料 Materials
1	阀体 Body	2Cr13/1Cr18Ni9Ti	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti	ZG1Cr18Ni9Ti
2	阀座 Nozzle	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti	LCB/ZG1Cr18Ni9Ti
3	调节圈 Adjusting ring	2Cr13/1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti	1Cr18Ni9Ti
4	反冲盘 Disc holder	2Cr13/1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti	1Cr18Ni9Ti
5	阀瓣 Disc	2Cr13/1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti	1Cr18Ni9Ti
6	导向套 Guide sleeve	2Cr13/1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti	1Cr18Ni9Ti
7	阀盖 Bonnet	ZG230-450	ZG230-450	ZG230-450	ZG1Cr18Ni9Ti
8	弹簧 Spring	50CrVA	50CrVA包覆氟塑料 Coated Teflon	50CrVA包覆氟塑料 Coated Teflon	50CrVA
9	阀杆 Stem	2Cr13	1Cr18Ni9Ti/1Cr18Ni12Mo2Ti	1Cr18Ni9Ti/1Cr18Ni12Mo2Ti	1Cr18Ni9Ti
10	调整螺杆 Adjusting bolt	45	2Cr13	2Cr13	2Cr13
11	阀帽 Cap	ZG200-400	ZG200-400	ZG200-400	ZG230-450
	密封面材料 Sealing surface of material		堆焊Co基硬质合金 Depositing stellite		

» 外形尺寸和连接尺寸 Dimensions(mm)

型号 Type	公称通径 (DN)	do	D	K	g	g1	b	f	f1	Z-φd	DN'	D1	k1	g3	g2	b1	f'	f1'	Z1-φd1	L	L1	≈H
	20	15	105	75		55	16	2		4-14	25	115	85		65	16	2		4-14	110	95	378
	25	16	115	85		65	16	2		4-14	32	140	100		78	18	2		4-18	110	95	378
	32	20	140	100		78	18	2		4-18	40	150	110		85	18	3		4-18	115	100	378
	40	25	150	110		85	18	3		4-18	50	165	125		100	20	3		4-18	120	110	406
	50	32	165	125		100	20	3		4-18	65	185	145		120	20	3		4-18	135	120	450
A42Y-16C	65	40	185	145		120	20	3		4-18	80	200	160		135	20	3		8-18	160	140	520
A42Y-16P	80	50	200	160		135	20	3		8-18	100	220	180		155	22	3		8-18	170	135	525
A42Y-16R	100	65	220	180		155	22	3		8-18	125	250	210		185	22	3		8-18	195	175	690
KA42Y-16C	125	80	250	210		185	22	3		8-18	150	285	240		210	24	3		8-23	210	190	780
DA42Y-16C(P)	150	100	285	240		210	24	3		8-23	175	310	270		240	26	3		8-23	255	230	838
	200	125	340	295		265	26	3		12-23	250	405	355		320	30	3		12-26	300	260	992
	250	150	405	355		320	30	3		12-26	300	460	410		375	30	4		12-26	350	320	1266
	300	220	460	410		375	30	4		12-26	400	580	525		485	36	4		16-30	370	350	1283
	350	250	520	470		435	34	4		16-26	500	715	650		608	44	4		20-34	500	450	1520
	400	280	580	525		485	36	4		16-30	500	715	650		608	44	4		20-34	500	450	1530
	20	15	105	75		55	16	2		4-14	25	115	85		65	16	2		4-14	110	95	378
	25	16	115	85		65	16	2		4-14	32	140	100		78	18	2		4-18	110	95	378
	32	20	140	100		78	18	2		4-18	40	150	110		85	18	3		4-18	115	100	378
	40	25	150	110		85	18	3		4-18	50	165	125		100	20	3		4-18	120	110	406
A42Y-25C	50	32	165	125		100	20	3		4-18	65	185	145		120	20	3		4-18	135	120	450
A42Y-25P	65	40	185	145		120	22	3		8-18	80	200	160		135	20	3		8-18	160	140	520
A42Y-25R	80	50	200	160		135	22	3		8-18	100	220	180		155	22	3		8-18	170	135	525
KA42Y-25C	100	65	230	190		160	24	3		8-23	125	250	210		185	22	3		8-18	195	175	690
DA42Y-25(P)	125	80	270	220		188	28	3		8-26	150	285	240		210	24	3		8-23	210	190	780
	150	100	300	250		218	30	3		8-26	175	310	270		240	26	3		8-23	255	230	838
	200	125	360	310		278	34	3		12-26	250	405	355		320	30	3		12-26	300	260	992
	250	150	425	370		332	36	3		12-30	300	460	410		375	30	4		12-26	350	320	1266
	300	220	485	430		390	40	4		16-30	400	580	525		485	36	4		16-30	370	350	1283
	20	15	105	75	51	55	16	2	4	4-14	25	115	85		65	16	2		4-14	110	95	378
	25	16	115	85	58	65	16	2	4	4-14	32	140	100		78	18	2		4-18	110	95	378
	32	20	140	100	66	78	18	2	4	4-18	40	150	110		85	18	3		4-18	115	100	378
	40	25	150	110	76	85	18	3	4	4-18	50	165	125		100	20	3		4-18	120	110	406
A42Y-40C	50	32	165	125	88	100	20	3	4	4-18	65	185	145		120	20	3		4-18	135	120	450
A42Y-40P	65	40	185	145	110	120	22	3	4	8-18	80	200	160		135	20	3		8-18	160	140	520
A42Y-40R	80	50	200	160	121	135	22	3	4	8-18	100	220	180		155	22	3		8-18	170	135	525
KA42Y-40	100	65	235	190	150	160	24	3	4.5	8-23	125	250	210		185	22	3		8-18	195	175	690
DA42Y-40(P)	125	80	270	220	176	188	28	3	4.5	8-26	150	285	240		210	24	3		8-23	210	190	780
	150	100	300	250	204	218	30	3	4.5	8-26	175	310	270		240	26	3		8-23	255	230	838
	200	125	375	320	260	282	38	3	4.5	12-30	250	405	355		320	30	3		12-26	300	260	992
	250	150	450	385	313	345	42	3	4.5	12-34	300	460	410		375	30	4		12-26	350	320	1266
	20	10	125	90	51	68	22	2	4	4-18	25	115	85	58	65	16	2	4	4-14	96	85	264
	25	16	140	100	58	78	22	2	4	4-18	32	140	100	66	78	18	2	4	4-18	110	100	277
	32	20	155	110	66	82	24	2	4	4-23	40	150	110	76	85	18	3	4	4-18	130	110	289
A42Y-64	40	25	170	125	76	95	24	3	4	4-23	50	165	125	88	100	20	3	4	4-18	130	120	319
A42Y-64P	50	32	180	135	88	105	26	3	4	4-23	65	185	145	110	120	22	3	4	8-18	155	130	389
A42Y-64R	65	40	205	160	110	130	28	3	4	8-23	80	200	160	121	135	22	3	4	8-18	175	160	493
DA42Y-64(P)	80	50	215	170	121	140	30	3	4	8-23	100	235	190	150	160	24	3	4.5	8-23	175	160	483
	100	65	250	200	150	168	32	3	4.5	8-26	125	270	220	176	188	28	3	4.5	8-25	195	195	613
	150	100	345	280	204	240	38	3	4.5	8-34	200	375	320	260	282	38	3	4.5	12-30	280	265	894
	20	10	125	90	51	68	22	2	4	4-18	25	115	85	58	65	16	2	4	4-14	96	85	264
	25	16	140	100	58	78	24	2	4	4-18	32	140	100	66	78	18	2	4	4-18	110	100	277
	32	20	155	110	66	82	24	2	4	4-23	40	150	110	76	85	18	3	4	4-18	130	110	289
A42Y-100	40	25	170	125	76	95	26	3	4	4-23	50	165	125	88	100	20	3	4	4-18	130	120	319
A42Y-100P	50	32	195	145	88	112	28	3	4	4-26	65	185	145	110	120	22	3	4	8-18	155	130	389
A42Y-100R	65	32	220	170	110	138	32	3	4	8-26	80	200	160	121	135	22	3	4	8-18	175	160	493
DA42Y-100(P)	80	40	230	180	121	148	34	3	4	8-26	100	235	190	150	160	24	3	4.5	8-23	175	160	483
	100	50	265	210	150	172	38	3	4.5	8-30	125	270	220	176	188	28	3	4.5	8-25	195	195	613
	150	80	355	290	204	250	46	3	4.5	12-34	200	375	320	260	282	38	3	4.5	12-30	285	260	894

系列 Series

- *A42Y-160*
- *A42Y-320*
- *A42Y-160P*
- *A42Y-320P*
- *A42Y-160R*
- *A42Y-320R*

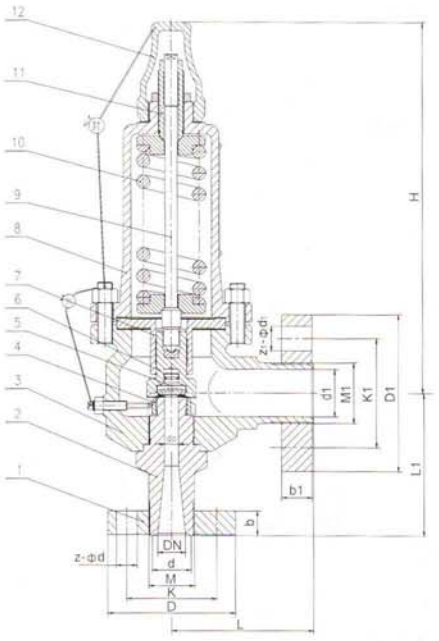
A42Y-160/320适用于工作温度≤200℃的空气、氮氢混合气等介质的设备或管路上。A42Y-160P/320P、A42Y-160R/320R适用于工作温度≤200℃有腐蚀性介质的设备或管路上，作为超压保护装置。

连接法兰按JB/T2769-92的标准。

A42Y-160/320 type are used for the equipment and pipeline of the air, N2, H2 mixed gas, etc.medium what the working temperature are less than 200℃. A42Y-160P/320P, A42Y-160R /320R type are used for the equipment and pipeline of the quality with corrode medium what the working temperature are less than 200℃. Take for extra pressure protection devices.

Flange connecting dimensions of comply with Standard of JB/T2769-92.





A42Y-160/320
结构图 Structural drawing

主要零部件材料 Materials for main parts

NO.	零件名称 Name of part	A42Y-160 材料 A42Y-320 Materials	A42Y-160P 材料 A42Y-320P Materials	A42Y-160R 材料 A42Y-320R Materials
1	法兰 Flange	35/35CrMoAi	2Cr13	1Cr18Ni12Mo2Ti
2	阀座 Nozzle	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
3	阀体 Body	40	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
4	调节圈 Adjusting ring	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
5	阀瓣 Disc	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
6	反冲盘 Disc holder	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
7	导向套 Guide sleeve	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
8	阀盖 Bonnet	ZG230-450	ZG230-450	ZG230-450
9	阀杆 Stem	2Cr13	1Cr18Ni9Ti	1Cr18Ni9Ti
10	弹簧 Spring	50CrVA	50CrVA包覆氟塑料 Coated Teflon	50CrVA包覆氟塑料 Coated Teflon
11	调整螺杆 Adjusting bolt	45	2Cr13	2Cr13
12	阀帽 Cap	ZG200-400	ZG200-400	ZG200-400
	密封面材料 Sealing surface of material		堆焊Co基硬质合金 Depositing stellite	

外形尺寸和连接尺寸 Dimensions(mm)

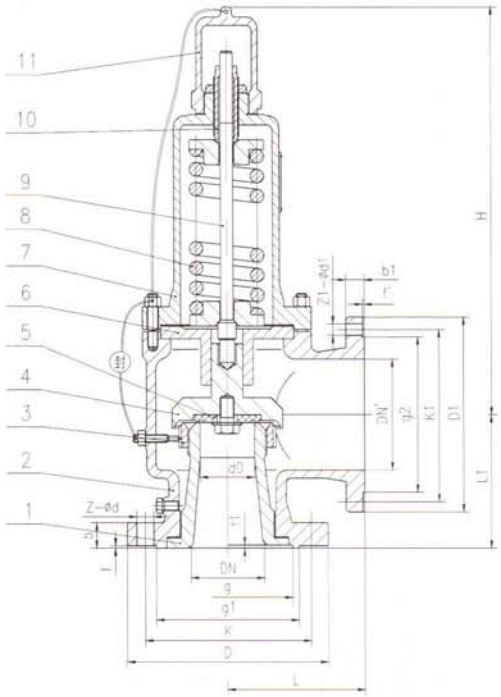
型号 Type	公称通径 (DN)	do	d	M	K	D	Z-φd	b	d_1	M_1	K_1	D_1	Z_1-φd_1	b_1	L	L_1	≈H
A42Y-160	15	8	20	M24×2	60	95	3-18	20	29	M42×2	80	115	4-18	22	95	100	220
	20	8	27	M33×2	68	105	3-18	20	29	M42×2	80	115	4-18	22	95	100	220
	25	14	28	M33×2	68	105	3-18	20	50	M64×3	115	165	6-26	32	150	150	280
	32	15	37	M42×2	80	115	4-18	22	50	M64×3	115	165	6-26	32	150	150	390
	40	20	47	M52×2	115	165	6-26	28	65	M80×3	145	200	6-29	40	180	165	495
	50	25	59	M64×3	115	165	6-26	32	80	M100×3	170	225	6-33	50	190	190	510
A42Y-320	15	8	27	M33×2	68	105	3-18	20	29	M42×2	80	115	4-18	22	95	100	220
	20	8	30	M33×2	75	110	3-18	22	29	M42×2	80	115	4-18	22	95	100	220
	25	14	35	M42×2	80	115	4-18	22	50	M64×3	115	165	6-26	32	150	150	280
	32	15	41	M48×2	95	135	4-22	25	50	M64×3	115	165	6-26	32	150	150	390
	40	20	58	M64×3	115	165	6-26	32	65	M80×3	145	200	6-29	40	180	165	495
	50	25	70	M80×3	145	200	6-29	40	80	M100×3	170	225	6-33	50	190	190	510
A42Y-400	32	15	41	M48×2	95	135	4-22	25	50	M64×3	115	165	6-26	32	150	150	397

AH42F-16C/25/40、A42F-16C/25/40

AH42F、A42F适用于工作温度在-40~80℃的液化石油气的液相出口管上，当进出口压差大于0.5MPa时液化石油气能自动回流入罐。

AH42F、A42F type are applicable in liqued phase outlet pipes with operation temperature range of -40~80℃, when the inlet and outlet differential pressure is larger than 0.5MPa, the liquefied gas will return to the gas rank automatically.





AH42F、A42F
结构图 Structural drawing

主要零部件材料 Materials for main parts

NO.	零件名称 Name of part	AH42F-C A42F-C 材料 Materials
1	阀座 Nozzle	2Cr13
2	阀体 Body	WCB
3	调节圈 Adjusting ring	2Cr13
4	反冲盘 Disc holder	2Cr13
5	阀瓣 Disc	2Cr13+PTFE
6	导向套 Guide sleeve	2Cr13
7	阀盖 Bonnet	ZG230-450
8	弹簧 Spring	50CrVA
9	阀杆 Stem	2Cr13
10	调整螺杆 Adjusting bolt	45
11	阀帽 Cap	ZG200-400

外形尺寸和连接尺寸 Dimensions (mm)

型号 Type	公称通径 (DN)	do	D	K	g	g_1	b	f	f_1	Z-φd	DN'	D_1	k_1	g_2	b_1	f'	Z_1-φd_1	L	L_1	≈H
AH42F-16C A42F-16C	20	15	105	75		55	16	2		4-14	25	115	85	65	16	2	4-14	110	95	378
	25	16	115	85		65	16	2		4-14	32	140	100	78	18	2	4-18	110	95	378
	32	20	140	100		78	18	2		4-18	40	150	110	85	18	3	4-18	115	100	378
	40	25	150	110		85	18	3		4-18	50	165	125	100	20	3	4-18	120	110	406
	50	32	165	125		100	20	3		4-18	65	185	145	120	20	3	4-18	135	120	450
	65	40	185	145		120	20	3		4-18	80	200	160	135	20	3	8-18	160	140	520
	80	50	200	160		135	20	3		8-18	100	220	180	155	22	3	8-18	170	135	525
	100	65	220	180		155	22	3		8-18	125	250	210	185	22	3	8-18	195	175	690
	125	80	250	210		185	22	3		8-18	150	285	240	210	24	3	8-23	210	190	780
	150	100	285	240		210	24	3		8-23	175	310	270	240	26	3	8-23	255	230	838
	200	125	340	295		265	26	3		12-23	250	405	355	320	30	3	12-26	300	260	992
	250	150	405	355		320	30	3		12-26	300	460	410	375	30	4	12-26	350	320	1266
	300	220	460	410		375	30	4		12-26	400	580	525	485	36	4	16-30	370	350	1283
	350	250	520	470		435	34	4		16-26	500	715	650	608	44	4	20-34	500	450	1520
	400	280	580	525		485	36	4		16-30	500	715	650	608	44	4	20-34	500	450	1530
AH42F-25 A42F-25	20	15	105	75		55	16	2		4-14	25	115	85	65	16	2	4-14	110	95	378
	25	16	115	85		65	16	2		4-14	32	140	100	78	18	2	4-18	110	95	378
	32	20	140	100		78	18	2		4-18	40	150	110	85	18	3	4-18	115	100	378
	40	25	150	110		85	18	3		4-18	50	165	125	100	20	3	4-18	120	110	406
	50	32	165	125		100	20	3		4-18	65	185	145	120	20	3	4-18	135	120	450
	65	40	185	145		120	22	3		8-18	80	200	160	135	20	3	8-18	160	140	520
	80	50	200	160		135	22	3		8-18	100	220	180	155	22	3	8-18	170	135	525
	100	65	230	190		160	24	3		8-23	125	250	210	185	22	3	8-18	195	175	690
	125	80	270	220		188	28	3		8-26	150	285	240	210	24	3	8-23	210	190	780
	150	100	300	250		218	30	3		8-26	175	310	270	240	26	3	8-23	255	230	838
	200	125	360	310		278	34	3		12-26	250	405	355	320	30	3	12-26	300	260	992
	250	150	425	370		332	36	3		12-30	300	460	410	375	30	4	12-26	350	320	1266
	300	220	485	430		390	40	4		16-30	400	580	525	485	36	4	16-30	370	350	1283
AH42F-40 A42F-40	20	15	105	25	51	55	16	2	4	4-14	25	115	85	65	16	2	4-14	110	95	378
	25	16	115	85	58	65	16	2	4	4-14	32	140	100	78	18	2	4-18	110	95	378
	32	20	140	100	66	78	18	2	4	4-18	40	150	110	85	18	3	4-18	115	100	378
	40	25	150	110	76	85	18	3	4	4-18	50	165	125	100	20	3	4-18	120	110	406
	50	32	165	125	88	100	20	3	4	4-18	65	185	145	120	20	3	4-18	135	120	450
	65	40	185	145	110	120	22	3	4	8-18	80	200	160	135	20	3	8-18	160	140	520
	80	50	200	160	121	135	22	3	4	8-18	100	220	180	155	22	3	8-18	170	135	525
	100	65	235	190	150	160	24	3	4.5	8-23	125	250	210	185	22	3	8-18	195	175	690
	125	80	270	220	176	188	28	3	4.5	8-26	150	285	240	210	24	3	8-23	210	190	780
	150	100	300	250	204	218	30	3	4.5	8-26	175	310	270	240	26	3	8-23	255	230	838
	200	125	375	320	260	282	38	3	4.5	12-30	250	405	355	320	30	3	12-26	300	260	992
	250	150	450	385	313	345	42	3	4.5	12-34	300	460	410	375	30	4	12-26	350	320	1266

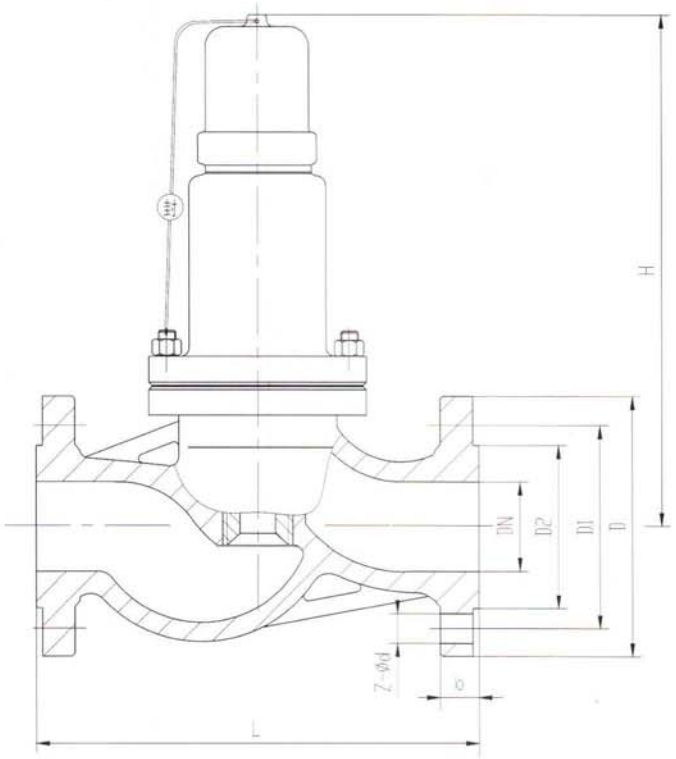
» AHN42F-P18

» 用途 Purpose

本阀门安装于液化石油气站罐泵出口的液相回流管道上，当泵前压力超过规定值时，阀门自动开启并起安全回流作用，保证设备和管路的安全运行。

This valve is mounted on the liquidoid refluence pipeline of the pan pump' s outlet of the liquefied petroleum gas station, when front pump pressure exceeds the stipulated value, the valve will open automatically and lead to safe return of the liquid so that ensures the safe operation of equipments and pipelines.





AHN42F
结构图 Structural drawing

外形尺寸和连接尺寸 Dimensions (mm)

公称通径 Nominal diameter DN(mm)	尺寸Dimension (mm)						
	D	D_1	D_2	b	Z-φd	L	H
40	150	110	85	16	4-18	200	236
50	165	125	100	16	4-18	230	266
65	185	145	120	20	4-18	290	430
80	200	160	135	20	8-18	310	490
100	215	180	155	22	8-18	350	548
150	280	240	210	24	8-23	480	706

带扳手弹簧全启式安全阀
Spring loaded full bore type with lever safety valve

系列 Series

- *A48Y-16C*
- *A48Y-25*
- *A48Y-40*
- *A48Y-64*
- *A48Y-100*
- *A44Y-16P*
- *A44Y-25P*
- *A44Y-40P*
- *A44Y-64P*
- *A44Y-100P*
- *A44Y-16C*
- *A44Y-25*
- *A44Y-40*
- *A44Y-64*
- *A44Y-100*
- *A44Y-16R*
- *A44Y-25R*
- *A44Y-40R*
- *A44Y-64R*
- *A44Y-100R*

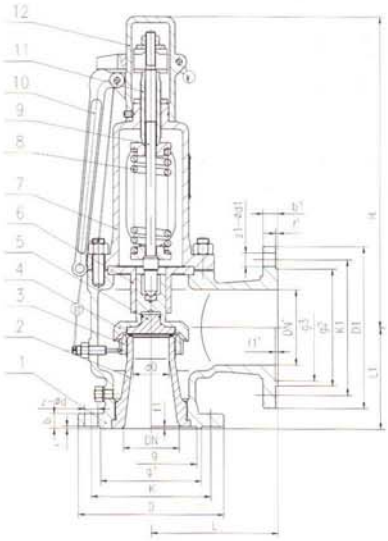
A48Y型适用于工作温度≤350℃的蒸汽、空气等介质的设备和管路上。A44Y适用于工作温度≤300℃的空气、石油等介质的设备或管路上，作为超压保护装置。

连接法兰标准PN＜6.4MPa按JB/T-94系列1，PN≥6.4MPa按JB/T-94系列2标准。

A48Y type are used for the equipment and pipeline of the with steam and air etc medium what the working temperature are less than 350℃. A44Y type are used for the equipment and pipeline of the with air and petroleum gas medium what the working temperature are less than 300℃. Take for extra pressure protection devices.

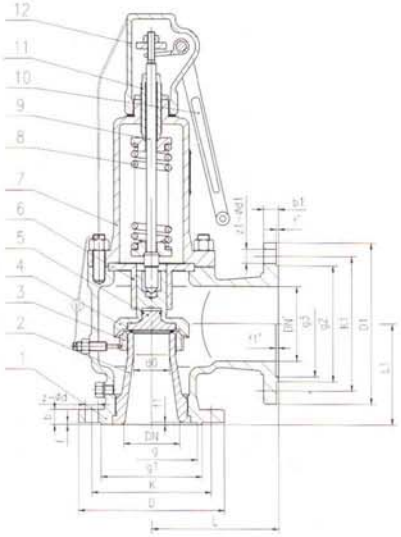
Flange connecting dimensions of comply with Standard series first of JB/T-94 when the pressure less than 6.4MPa, comply with Standard series second of JB/T -94 when more than 6.4MPa.





A48Y
结构图 Structural drawing





A44Y
结构图 Structural drawing

主要零部件材料 Materials for main parts

NO.	零件名称 Name of part	A48Y-C A44Y-C 材料 Materials	A44Y-P 材料 Materials	A44Y-R 材料 Materials
1	阀体 Body	WCB	ZG1Cr18Ni9Ti	CF8M
2	阀座 Nozzle	2Cr13	1Cr18Ni9Ti	316
3	调节圈 Adjusting ring	ZG2Cr13	ZG1Cr18Ni9Ti	0Cr18Ni12Mo2Ti
4	反冲盘 Disc holder	ZG2Cr13	ZG1Cr18Ni9Ti	316
5	阀瓣 Disc	2Cr13	1Cr18Ni9Ti	316
6	导向套 Guide sleeve	2Cr13	1Cr18Ni9Ti	0Cr18Ni12Mo2Ti
7	阀盖 Bonnet	ZG230-450	ZG230-450	ZG230-450
8	弹簧 Spring	50CrVA	50CrVA包覆氟塑料 Coated Teflon	50CrVA包覆氟塑料 Coated Teflon
9	阀杆 Stem	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
10	扳手 Lever	ZG200-400	ZG200-400	ZG200-400
11	调整螺杆 Adjusting bolt	45	2Cr13	2Cr13
12	保护罩 Cap	ZG200-400	ZG200-400	316
	密封面材料Sealing surface of material		堆焊Co基硬质合金 Depositing stellite	

外形尺寸和连接尺寸 Dimensions (mm)

型号 Type	公称通径 (DN)	do	D	K	g	g1	b	f	f1	Z-φd	DN'	D1	k1	g3	g2	b1	f'	f1'	Z1-φd1	L	L1	≈H
	20	15	105	75		55	16	2		4-14	25	115	85		65	16	2		4-14	110	95	411
	25	16	115	85		65	16	2		4-14	32	140	100		78	18	2		4-18	110	95	411
	32	20	140	100		78	18	2		4-18	40	150	110		85	18	3		4-18	115	100	411
	40	25	150	110		85	18	3		4-18	50	165	125		100	20	3		4-18	120	110	472
	50	32	165	125		100	20	3		4-18	65	185	145		120	20	3		4-18	135	120	532
	65	40	185	145		120	20	3		4-18	80	200	160		135	20	3		8-18	160	140	556
A48Y-16C A44Y-16C A44Y-16P A44Y-16R	80	50	200	160		135	20	3		8-18	100	220	180		155	22	3		8-18	170	135	561
	100	65	220	180		155	20	3		8-18	125	250	210		185	22	3		8-18	195	175	667
	125	80	250	210		185	22	3		8-18	150	285	240		210	24	3		8-23	210	190	857
	150	100	285	240		210	24	3		8-23	175	310	270		240	26	3		8-23	255	230	915
	200	125	340	295		265	26	3		12-23	250	405	355		320	30	3		12-26	300	260	1073
	250	150	405	355		320	30	3		12-26	300	460	410		375	30	4		12-26	350	320	1307
	300	220	460	410		375	30	4		12-26	400	580	525		485	36	4		16-30	370	350	1233
	350	250	520	470		435	34	4		16-26	500	715	650		608	44	4		20-34	500	450	1711
	400	280	580	525		485	36	4		16-30	500	715	650		608	44	4		20-34	500	450	1780
	20	15	105	75		55	16	2		4-14	25	115	85		65	16	2		4-14	110	95	411
	25	16	115	85		65	16	2		4-14	32	140	100		78	18	2		4-18	110	95	411
	32	20	140	100		78	18	2		4-18	40	150	110		85	18	3		4-18	115	100	411
	40	25	150	110		85	18	3		4-18	50	165	125		100	20	3		4-18	120	110	472
	50	32	165	125		100	20	3		4-18	65	185	145		120	20	3		4-18	135	120	532
	65	40	185	145		120	22	3		8-18	80	200	160		135	20	3		8-18	160	140	556
A48Y-25 A44Y-25 A44Y-25P A44Y-25R	80	50	200	160		135	22	3		8-18	100	220	180		155	22	3		8-18	170	135	561
	100	65	230	190		160	24	3		8-23	125	250	210		185	22	3		8-18	195	175	667
	125	80	270	220		188	28	3		8-26	150	285	240		210	24	3		8-23	210	190	857
	150	100	300	250		218	30	3		8-26	175	310	270		240	26	3		8-23	255	230	915
	200	125	360	310		278	34	3		12-26	250	405	355		320	30	3		12-26	300	260	1073
	250	150	425	370		332	36	3		12-30	300	460	410		375	30	4		12-26	350	320	1307
	300	220	485	430		390	40	4		16-30	400	580	525		485	36	4		16-30	370	350	1233
	350	250	555	490		448	44	4		16-34	500	715	650		608	44	4		20-34	500	450	1711
	400	280	620	550		505	48	4		16-36	500	715	650		608	44	4		20-34	500	450	1780
	20	15	105	75	51	55	16	2	4	4-14	25	115	85		65	16	2		4-14	110	95	411
	25	16	115	85	58	65	16	2	4	4-14	32	140	100		78	18	2		4-18	110	95	411
	32	20	140	100	66	78	18	2	4	4-18	40	150	110		85	18	3		4-18	115	100	411
	40	25	150	110	76	85	18	3	4	4-18	50	165	125		100	20	3		4-18	120	110	472
	50	32	165	125	88	100	20	3	4	4-18	65	185	145		120	20	3		4-18	135	120	532
	65	40	185	145	110	120	22	3	4	8-18	80	200	160		135	20	3		8-18	160	140	556
A48Y-40 A44Y-40 A44Y-40P A44Y-40R	80	50	200	160	121	135	22	3	4	8-18	100	220	180		155	22	3		8-18	170	135	561
	100	65	235	190	150	160	24	3	4.5	8-23	125	250	210		185	22	3		8-18	195	175	697
	125	80	270	220	176	188	28	3	4.5	8-26	150	285	240		210	24	3		8-23	210	190	857
	150	100	300	250	204	218	30	3	4.5	8-26	175	310	270		240	26	3		8-23	255	230	915
	200	125	375	320	260	282	38	3	4.5	12-30	250	405	355		320	30	3		12-26	300	260	1073
	250	150	450	385	313	345	42	3	4.5	12-34	300	460	410		375	30	4		12-26	350	320	1307
	300	220	515	450	364	408	46	4	4.5	16-34	400	580	525		485	36	4		16-30	370	350	1233
	350	250	580	510	422	465	52	4	5	16-36	500	715	650		608	44	4		20-34	500	450	1711
	400	280	660	585	474	535	58	4	5	16-41	500	715	650		608	44	4		20-34	500	450	1711
	20	10	125	90	51	68	22	2	4	4-18	25	115	85	58	65	16	2	4	4-14	96	85	297
	25	16	140	100	58	78	22	2	4	4-18	32	140	100	66	78	18	2	4	4-18	110	100	310
	32	20	155	110	66	82	24	2	4	4-23	40	150	110	76	85	18	3	4	4-18	130	110	322
A48Y-64 A44Y-64 A44Y-64P A44Y-64R	40	25	170	125	76	95	24	3	4	4-23	50	165	125	88	100	20	3	4	4-18	135	120	352
	50	32	180	135	88	105	26	3	4	4-23	65	185	145	110	120	22	3	4	8-18	155	130	425
	65	40	205	160	110	130	28	3	4	8-23	80	200	160	121	135	22	3	4	8-18	175	160	570
	80	50	215	170	121	140	30	3	4	8-23	100	235	190	150	160	24	3	4.5	8-23	175	160	560
	100	65	250	200	150	168	32	3	4.5	8-26	125	270	220	176	188	28	3	4.5	8-25	195	195	690
	150	100	345	280	204	240	38	3	4.5	8-34	200	375	320	260	282	38	3	4.5	12-30	280	265	935
	20	10	125	90	51	68	22	2	4	4-18	25	115	85	58	65	16	2	4	4-14	96	85	297
	25	16	140	100	58	78	24	2	4	4-18	32	140	100	66	78	18	2	4	4-18	110	100	310
	32	20	155	110	66	82	24	2	4	4-23	40	150	110	76	85	18	3	4	4-18	130	110	322
A48Y-100 A44Y-100 A44Y-100P A44Y-100R	40	25	170	125	76	95	26	3	4	4-23	50	165	125	88	100	20	3	4	4-18	135	120	352
	50	32	195	145	88	112	28	3	4	4-26	65	185	145	110	120	22	3	4	8-18	155	130	425
	65	32	220	170	110	138	32	3	4	8-26	80	200	160	121	135	22	3	4	8-18	175	160	570
	80	40	230	180	121	148	34	3	4	8-26	100	235	190	150	160	24	3	4.5	8-23	175	160	560
	100	50	265	210	150	172	38	3	4.5	8-30	125	270	220	176	188	28	3	4.5	8-25	195	195	690
	150	80	355	290	204	250	46	3	4.5	12-34	200	375	320	260	282	38	3	4.5	12-30	285	260	935

系列 Series

- ***A38Y-16C/25/40***
- ***A43H-16C/25/40***
- ***A37H-16C/25/40***

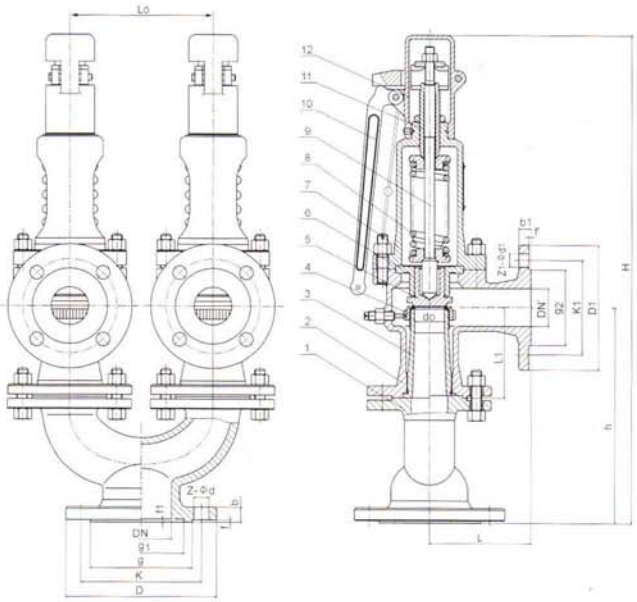
本阀门适用于工作温度≤350℃的蒸汽、水等介质的设备和管路上。作为超压保护装置。
连接法兰标准按JB/T·····-94的系列1。

This safety valves are used for the equipment and pipeline of the steam, water etc.medium what the working temperature are less than 350℃. Take for extra pressure protection devices. Flange connecting dimensions of comply with Standard series one of JB/T·····-94.

主要零部件材料说明 Explanation of materials for main parts

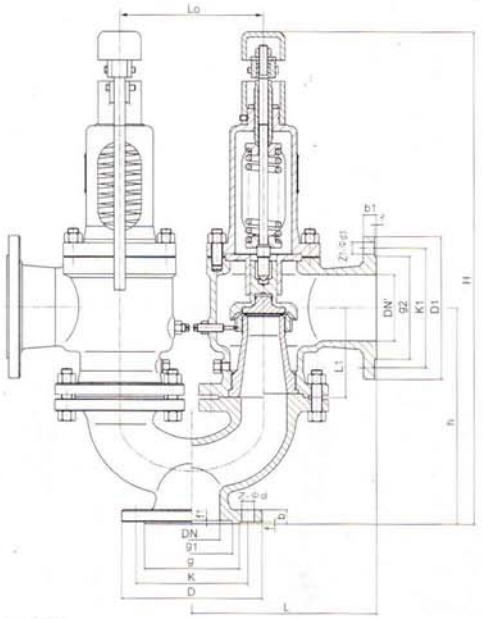
A38Y、A43H、A37H型安全阀除三通（材料为WCB）外，其余零件的材料均和A47H、A48Y型弹簧式安全阀相同。
A38Y、A43H、A37H safety valve, except the three-ways style（material WCB）, the materials of other parts is the same as A47H、A48Y type spring loaded type safety valve.





A37H、A43H
结构图 Structural drawing





A38Y-16C
结构图 Structural drawing

A38Y、A43H、A37H型双联安全阀是在Y型接头上装设两个同样规格的A48Y或A47H型安全阀而构成，其公称通径系列指Y型接头进口通径，其组合情况如下表:

A38Y、A43H、A37H type twin safety valve is composed of two A48Y or A47Y type safety valves with the same specifications. Which are fixed on a Y-shaped joint. The nominal diameter is the inlet diameter of the Y-shaped joint. Here is the table to show its combination.

A38Y型 A38Y Type (DN)	相应的A48Y型 Relevant A48Y Type (DN)	A43Y型 A43Y Type (DN)	相应的A47Y型 Relevant A47Y Type (DN)	A37Y型 A37Y Type (DN)	相应的A47Y型 Relevant A47Y Type (DN)
50	32×2	50	32×2	50	32×2
80	50×2	80	50×2	80	65×2
100	65×2	100	80×2	100	80×2
150	100×2	125	100×2	125	100×2
		150	125×2	150	125×2

» 外形尺寸和连接尺寸 Dimensions (mm)

型号 Type	公称通径 (DN)	do	D	K	g	g_1	b	f	f_1	Z-φd	DN'	D_1	k_1	g_2	b_1	f'	Z_1-φd_1	L	L_1	L_0	h	H
	50	25	165	125	100		20	3		4-18	32	140	100	78	18	2	4-18	115	110	165	235	547
	80	40	200	160	135		20	3		8-18	50	165	125	100	16	3	4-18	135	120	190	285	795
A37H-16C	80	50	200	160	135		20	3		8-18	65	185	145	120	18	3	4-18	140	130	205	310	835
A43H-16C	100	65	220	180	155		22	3		8-18	80	200	160	135	20	3	8-18	160	135	255	355	890
	125	80	250	210	185		22	3		8-18	100	220	180	155	22	3	8-18	170	160	260	410	1170
	150	100	285	240	210		24	3		8-23	125	250	210	185	22	3	8-18	190	190	275	430	1240
	50	25	165	125	100		20	3		4-18	32	140	100	78	18	2	4-18	115	110	165	235	547
	80	40	200	160	135		22	3		8-18	50	165	125	100	16	3	4-18	135	120	190	285	795
A37H-25	80	50	200	160	135		22	3		8-18	65	185	145	120	18	3	4-18	140	130	205	310	835
A43H-25	100	65	230	190	160		24	3		8-23	80	200	160	135	20	3	8-18	160	135	255	355	890
	125	80	270	220	188		28	3		8-26	100	220	180	155	22	3	8-18	170	160	260	410	1170
	150	100	300	250	218		30	3		8-26	125	250	210	185	22	3	8-18	190	190	275	430	1240
	50	25	165	125	100	88	20	3	4	4-18	32	140	100	78	16	2	4-18	115	110	165	235	547
	80	40	200	160	135	121	22	3	4	8-18	50	165	125	100	16	3	4-18	135	120	190	285	795
A37H-40	80	50	200	160	135	121	22	3	4	8-18	65	185	145	120	18	3	4-18	140	130	205	310	835
A43H-40	100	65	235	190	160	150	24	3	4.5	8-23	80	200	160	135	20	3	8-18	160	135	255	355	890
	125	80	270	220	188	176	28	3	4.5	8-26	100	220	180	155	22	3	8-18	170	160	260	410	1170
	150	100	300	250	218	204	30	3	4.5	8-26	125	250	210	185	22	3	8-18	190	190	275	430	1240
	50	20	165	125	100		20	3		4-18	40	150	110	85	16	3	4-18	198	100	165	225	636
A38Y-16C	80	32	200	160	135		20	3		8-18	65	185	145	120	20	3	4-18	230	120	190	265	817
	100	40	220	180	155		22	3		8-18	80	200	160	135	20	3	8-18	293	140	265	265	921
	150	80	285	240	210		24	3		8-23	125	250	210	185	22	3	8-18	320	175	250	420	1097
	50	20	165	125	100		20	3		4-18	40	150	110	85	16	3	4-18	198	100	165	225	636
A38Y-25	80	32	200	160	135		22	3		8-18	65	185	145	120	20	3	4-18	230	120	190	265	817
	100	40	230	190	160		24	3		8-23	80	200	160	135	20	3	8-18	293	140	265	265	921
	150	80	300	250	218		30	3		8-26	125	250	210	185	22	3	8-18	320	175	250	420	1097
	50	20	165	125	100	88	20	3	4	4-18	40	150	110	85	16	3	4-18	198	100	165	225	636
A38Y-40	80	32	200	160	135	121	22	3	4	8-18	65	185	145	120	20	3	4-18	230	120	190	265	817
	100	40	235	190	160	150	24	3	4.5	8-23	80	200	160	135	20	3	8-18	293	140	265	265	921
	150	80	300	250	218	204	30	3	4.5	8-26	125	250	210	185	22	3	8-18	320	175	250	420	1097

波纹管平衡式安全阀
Bellows balance type safety valve

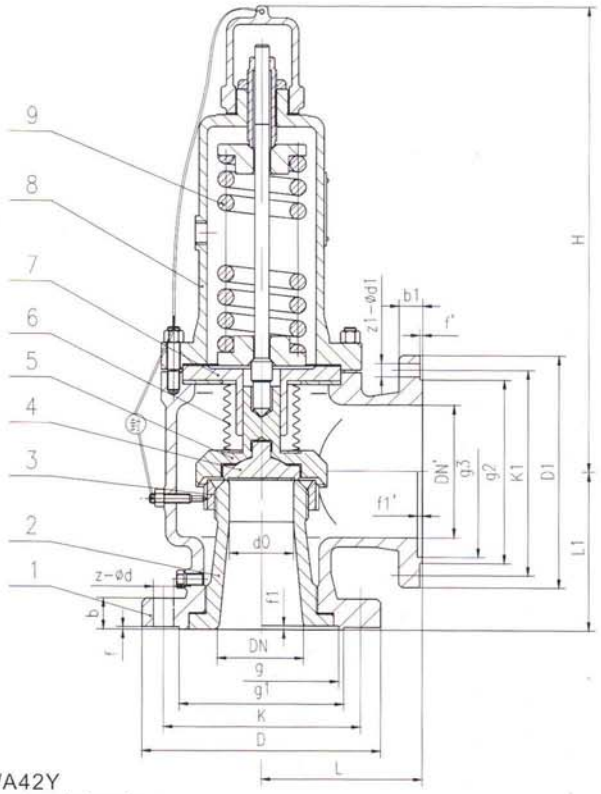
系列 Series

- *WA42Y-16C*
- *WA42Y-16P*
- *WA42Y-16R*
- *WA42Y-25*
- *WA42Y-25P*
- *WA42Y-25R*
- *WA42Y-40*
- *WA42Y-40P*
- *WA42Y-40R*
- *WA42Y-64*
- *WA42Y-64P*
- *WA42Y-64R*
- *WA42Y-100*
- *WA42Y-100P*
- *WA42Y-100R*

本阀门适用于工作温度≤200℃存在不稳定背压或有毒、腐蚀性介质的设备或管路上，作为超压保护装置。连接法兰标准≤4MPa采用JB/T·····-94系列1。>4MPa按JB/T·····-94系列2标准。

These safety valves are used for the equipment and pipeline of the poisonous gas, quality with corrode medium what the working temperature are less than 200℃. Take for extra pressure protection devices. Flange connectiong dimensions of comply with Standard series first of JB/T·····-94 when less than 4MPa, comply with Standard series twice of JB/T·····-94 when more than 4MPa.





WA42Y
结构图 Structural drawing

主要零部件材料 Materials for main parts

NO.	零件名称 Name of part	WA42Y-C型材料 Materials	WA42Y-P型材料 Materials	WA42Y-R型材料 Materials
1	阀体 Body	WCB	ZG1Cr18Ni9Ti、304	CF8M
2	阀座 Nozzle	2Cr13	1Cr18Ni9Ti	316
3	调节圈 Adjusting ring	2Cr13	1Cr18Ni9Ti	0Cr18Ni12Mo2Ti
4	阀瓣 Disc	2Cr13	1Cr18Ni9Ti	316
5	反冲盘 Disc holder	2Cr13	1Cr18Ni9Ti	316
6	波纹管 Bellows	304	304	316
7	导向套 Guide sleeve	2Cr13	1Cr18Ni9Ti	0Cr18Ni12Mo2Ti
8	阀盖 Bonnet	ZG230-450	ZG230-450	ZG230-450
9	弹簧 Spring	50CrVA	50CrVA包覆氟塑料 Coated Teflon	50CrVA包覆氟塑料 Coated Teflon
	密封面材料 Sealing surface of material			

外形尺寸和连接尺寸 Dimensions (mm)

型号 Type	公称通径 (DN)	do	D	K	g	g_1	b	f	f_1	Z-φd	DN'	D_1	K_1	g_3	g_2	b_1	f'	f_1'	Z_1-φd_1	L	L_1	≈H
	25	16	115	85		65	16	2		4-14	32	140	100		78	18	2		4-18	110	95	378
	32	20	140	100		78	18	2		4-18	40	150	110		85	18	3		4-18	115	100	378
	40	25	150	110		85	18	3		4-18	50	165	125		100	18	3		4-18	120	110	406
	50	32	165	125		100	20	3		4-18	65	185	145		120	20	3		4-18	135	120	450
WA42Y-16	65	40	185	145		120	20	3		4-18	80	200	160		135	20	3		8-18	160	140	520
WA42Y-16P	80	50	200	160		135	20	3		8-18	100	220	180		155	22	3		8-18	170	135	525
WA42Y-16R	100	65	220	180		155	22	3		8-18	125	250	210		185	22	3		8-18	195	175	690
	125	80	250	210		185	22	3		8-18	150	285	240		210	24	3		8-23	210	190	857
	150	100	285	240		210	24	3		8-23	175	310	270		240	26	3		8-23	255	230	838
	200	125	340	295		265	26	3		12-23	250	405	355		320	30	3		12-26	300	260	992
	25	16	115	85		65	16	2		4-14	32	140	100		78	18	2		4-18	110	95	378
	32	20	140	100		78	18	2		4-18	40	150	110		85	18	3		4-18	115	100	378
	40	25	150	110		85	18	3		4-18	50	165	125		100	20	3		4-18	120	110	406
	50	32	165	125		100	20	3		4-18	65	185	145		120	20	3		4-18	135	120	450
WA42Y-25	65	40	185	145		120	22	3		8-18	80	200	160		135	20	3		8-18	160	140	520
WA42Y-25P	80	50	200	160		135	22	3		8-18	100	220	180		155	22	3		8-18	170	135	525
WA42Y-25R	100	65	230	190		160	24	3		8-23	125	250	210		185	22	3		8-18	195	175	690
	125	80	270	220		188	28	3		8-26	150	285	240		210	24	3		8-23	210	190	780
	150	100	300	250		218	30	3		8-26	175	310	270		240	26	3		8-23	255	230	838
	200	125	360	310		278	34	3		12-26	250	405	355		320	30	3		12-26	300	260	992
	25	16	115	85	58	65	16	2	4	4-14	32	140	100		78	18	2		4-18	110	95	378
	32	20	140	100	66	78	18	2	4	4-18	40	150	110		85	18	3		4-18	115	100	378
	40	25	150	110	76	85	18	3	4	4-18	50	165	125		100	20	3		4-18	120	110	406
	50	32	165	125	88	100	20	3	4	4-18	65	185	145		120	20	3		4-18	135	120	450
WA42Y-40	65	40	185	145	110	120	22	3	4	8-18	80	200	160		135	20	3		8-18	160	140	520
WA42Y-40P	80	50	200	160	121	135	24	3	4	8-18	100	220	180		155	22	3		8-18	170	135	525
WA42Y-40R	100	65	235	190	150	160	24	3	4.5	8-23	125	250	210		185	22	3		8-18	195	175	690
	125	80	270	220	188	176	28	3	4.5	8-26	150	285	240		210	24	3		8-23	210	190	857
	150	100	300	250	204	218	30	3	4.5	8-26	175	310	270		240	26	3		8-23	255	230	838
	200	125	375	320	260	282	38	3	4.5	12-30	250	405	355		320	30	3		12-26	300	260	992
	25	16	140	100	58	78	22	2	4	4-18	32	140	100	66	78	18	2	4	4-18	110	100	277
	32	20	155	110	66	82	24	2	4	4-23	40	150	110	76	85	18	3	4	4-18	130	110	289
	40	25	170	125	76	95	24	3	4	4-23	50	165	125	88	100	20	3	4	4-18	130	120	319
WA42Y-64	50	32	180	135	88	105	26	3	4	4-23	65	185	145	110	120	22	3	4	8-18	155	130	389
WA42Y-64P	65	40	205	160	110	130	28	3	4	8-23	80	200	160	121	135	22	3	4	8-18	175	160	493
WA42Y-64R	80	50	215	170	121	140	30	3	4	8-23	100	235	190	150	160	24	3	4.5	8-23	175	160	483
	100	65	250	200	150	168	32	3	4.5	8-26	125	270	220	176	188	28	3	4.5	8-25	195	195	613
	150	100	345	280	204	240	38	3	4.5	8-34	200	375	320	260	282	38	3	4.5	12-30	280	265	894
	25	16	140	100	58	78	24	2	4	4-18	32	140	100	66	78	18	2	4	4-18	110	100	277
	32	20	155	110	66	82	24	2	4	4-23	40	150	110	76	85	18	3	4	4-18	130	110	289
	40	25	170	125	76	95	26	3	4	4-23	50	165	125	88	100	20	3	4	4-18	130	120	319
WA42Y-100	50	32	195	145	88	112	28	3	4	4-26	65	185	145	110	120	22	3	4	8-18	155	130	389
WA42Y-100P	65	32	220	170	110	138	32	3	4	8-26	80	200	160	121	135	22	3	4	8-18	175	160	493
WA42Y-100R	80	40	230	180	121	148	34	3	4	8-26	100	235	190	150	160	24	3	4.5	8-23	175	160	483
	100	50	265	210	150	172	38	3	4.5	8-30	125	270	220	176	188	28	3	4.5	8-25	195	195	613
	150	80	355	290	204	250	46	3	4.5	12-34	200	375	320	260	282	28	3	4.5	12-30	285	260	894

系列 Series

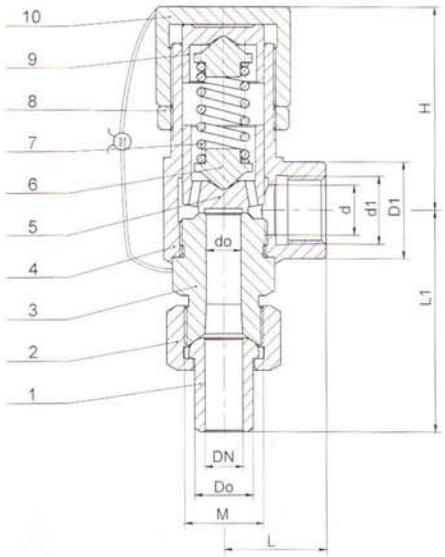
- *A21F-16C*
- *A21H-16C*
- *A21H-40*
- *A21H-64*
- *A21Y-100*
- *A21H-160*
- *A21W-16P*
- *A21W-40P*
- *A21F-40P*
- *A21W-64P*
- *A21W-100P*
- *A21W-160P*
- *KA21Y-16C*
- *KA21Y-16P*
- *A21Y-16R*
- *A21Y-40R*
- *A21Y-64R*
- *A21Y-100R*
- *A21Y-160R*

A21F、A21H-C型适用于工作温度≤200℃的空气、氨、石油气……等介质的设备或管路上。A21W-P、R型适用于温度≤200℃有腐蚀性的气体或液体的设备或管路上，作为超压保护装置。KA21Y型适用于温度≤100℃的液化石油气等。

A21F、A21H-C type are used for the equipment and pipeline of the air, ammonia, petroleum gas, etc.medium what the working temperature are less than 200℃. A21W-P, R type are used for the equipment and pipeline of the quality with corrode gas and liquid medium what the working temperature are less than 200℃. Take for extrapressure protection devices.

KA21Y type are used for liquefied petroleum gas what the working temperature are less than 100℃.





A21型
结构图 Structural drawing

主要零部件材料 Materials for main parts

NO.	零件名称 Name of part	A21H-C/A21F KA21Y-C 材料 Materials	A21W-P/A21F-P KA21Y-P 材料 Materials	A21Y-R 材料 Materials
1	管接头 Union	20	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
2	管接头螺母 Union nut	35	2Cr13	1Cr18Ni9Ti
3	阀座 Nozzle	35	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
4	阀体 Body	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
5	阀瓣 Disc	2Cr13/2Cr13+PTFE	1Cr18Ni9Ti/1Cr18Ni9Ti+PTFE	1Cr18Ni12Mo2Ti
6	弹簧座 Spring washer	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
7	弹簧 Spring	50CrVA	50CrVA包覆氟塑料 Coated Teflon	50CrVA包覆氟塑料 Coated Teflon
8	锁紧螺母 Locking nut	Q235-A	2Cr13	1Cr18Ni9Ti
9	弹簧导向垫 Spring guide	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
10	调节螺母 Adjusting nut	Q235-A	2Cr13	1Cr18Ni12Mo2Ti
	密封面材料 Sealing surface of material	“Y”型堆焊Co基硬质合金 Depositing stellite, “H”型堆焊D507 Depositing D507, “W”型为阀门本体 body		

外形尺寸和连接尺寸 Dimensions (mm)

型号 Type	公称通径(DN) Nominal diameter	do	d	D_0	M	d_1	D_1	L	L_1	≈H
KA21-16C A21H-16C	15	12	15	20	M27×1.5	G 1/2"	30	35	81	66
A21H-40 A21W-16P	20	16	20	25	M33×1.5	G 3/4"	34	40	87	68
A21W-40P KA21-16P	25	18	25	31	M39×1.5	G1"	40	52	100	105
A21Y-64	15	10	15	25	M39×1.5	G1"	44	52	100	66
A21Y-64P A21Y-100	20	10	20	31	M39×1.5	G1"	44	52	100	68
A21Y-100P	25	12	25	31	M39×1.5	G1"	44	52	100	105
A21W-160 /160P	15	8	20	/	M24×2	G1"	44	52	100	261
	20	8	25	/	M33×2	G1"	44	52	100	261
	25	8	28	/	M36×2	G1"	44	52	100	285

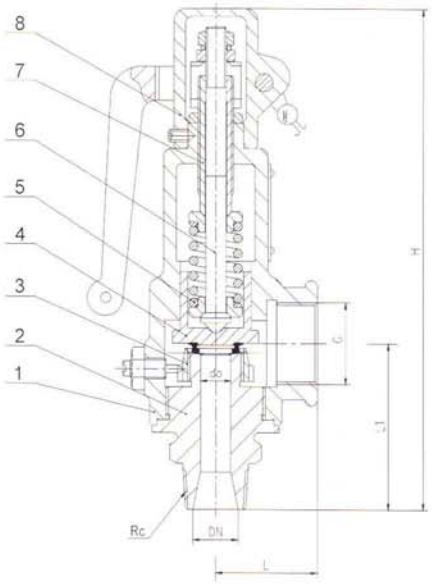
系列 Series

- *A27H-10*
- *A27H-25*
- *A27Y-10P*
- *A27Y-25P*
- *A27Y-10R*
- *A27Y-25R*
- *A27H-16*
- *A27H-40*
- *A27Y-16P*
- *A27Y-40P*
- *A27Y-16R*
- *A27Y-40R*

A27H型适用于工作温度≤200℃的水、空气、蒸气等介质的设备或管路上。A27Y适用于工作温度≤200℃有腐蚀性介质的设备或管路上，作为超压保护装置。

A27H type are used for the equipment and pipeline of water, air, steam etc. Medium what the working temperature are less than 200℃. A27Y type are used for the equipment and pipeline of the quality with corrode medium what the working temperature are less than 200℃. Take for extra pressure devices.





A27H（W）
结构图 Structural drawing

主要零部件材料 Materials for main parts

NO.	零件名称 Name of part	A27H 材料 Materials	A27W-P 材料 Materials	A27W-R 材料 Materials
1	阀体 Body	HT350	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
2	阀座 Nozzle	35	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
3	调节圈 Adjusting ring	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
4	阀瓣 Disc	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
5	弹簧 Spring	50CrVA	50CrVA包覆氟塑料 Coated Teflon	50CrVA包覆氟塑料 Coated Teflon
6	阀杆 Stem	2Cr13	2Cr13	1Cr18Ni9Ti
7	调整螺杆 Adjusting bolt	45	2Cr13	1Cr18Ni9Ti
8	保护罩 Cap	ZG200-400	ZG200-400	1Cr18Ni9Ti
	密封面材料 Sealing surface of material	堆焊D507 Depositing D507	堆焊Co基硬质合金 Depositing stellite	

外形尺寸和连接尺寸 Dimensions(mm)

公称通径 Nominal diameter DN(mm)	尺寸 Dimensions（mm）					
	do	Rc	L	L_1	G	H
15	10	1/2"	40	65	1/2"	135
20	15	3/4"	45	65	3/4"	140
25	20	1"	45	76	1"	155
32	25	1 1/4"	55	85	1 1/4"	170
40	32	1 1/2"	60	90	1 1/2"	310
50	40	2"	67	105	2"	322
65	50	2 1/2"	76	128	2 1/2"	344
80	65	3"	110	145	3"	395

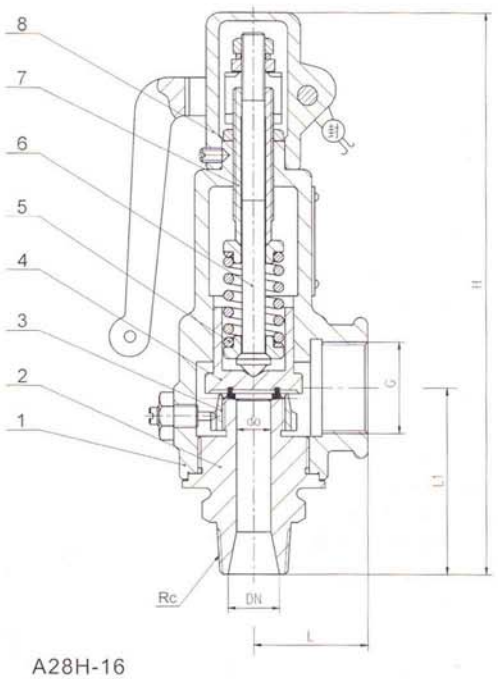
系列 Series

- ***A28H-10***
- ***A28H-16***
- ***A28Y-10P***
- ***A28Y-16P***
- ***A28Y-10R8***
- ***A28Y-16R8***
- ***A28Y-25R8***
- ***A28Y-25R8***
- ***A28Y-40R8***
- ***A28Y-40R8***

A28H型适用于工作温度≤200℃的空气、蒸气、水、氮氢混合气等介质的设备或管路上，A28Y-P/10R8适用于工作温度≤200℃有腐蚀性介质的设备或管路上，作为超压保护装置。

A28H type are used for the equipment and pipeline of the air, N_2,H_2 mixed gas vapour etc. medium what the working temperature are less than 200℃. A28Y-P/10R8 type are used for the equipment and pipeline of the quality with corrode medium what the working temperature are less than 200℃. Take for extra pressure protedtion devices.





A28H-16
结构图 Structural drawing

主要零部件材料 Materials for main parts

NO.	零件名称 Name of part	A28H 材料 Materials	A28Y-P 材料 Materials	A28Y-R8 材料 Materials
1	阀体 Body	HT200	ZG1Cr18Ni9Ti	CF8M
2	阀座 Nozzle	35	ZG1Cr18Ni9Ti	CF8M
3	调节圈 Adjusting ring	2Cr13	1Cr18Ni9Ti	316
4	阀瓣 Disc	2Cr13	1Cr18Ni9Ti	316
5	弹簧 Spring	50CrVA	50CrVA包覆氟塑料 Coated Teflon	50CrVA包覆氟塑料 Coated Teflon
6	阀杆 Stem	2Cr13	2Cr13	316
7	调整螺杆 Adjusting bolt	45	2Cr13	316
8	保护罩 Cap	ZG200-400	ZG200-400	CF8M
	密封面材料 Sealing surface of material	堆焊D507 Depositing D507	堆焊Co基硬质合金 Depositing stellite	

外形尺寸和连接尺寸 Dimensions (mm)

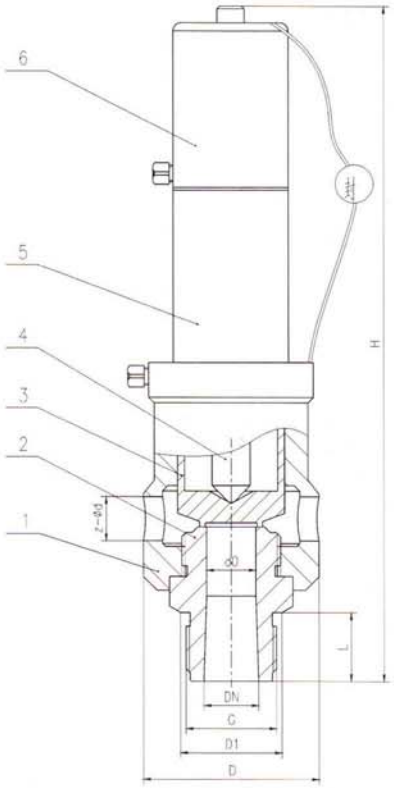
公称通径 Nominal diameter DN(mm)	尺寸 Dimensions (mm)					
	do	Rc	G	L	L_1	H
15	10	1/2"	3/4"	37	65	196
20	12	3/4"	1"	40	70	215
25	15	1"	1 1/4"	45	78	234
32	20	1 1/4"	1 1/2"	60	90	302
40	25	1 1/2"	2"	67	105	326
50	32	2"	2 1/2"	76	115	348
65	40	2 1/2"	3"	110	145	370
80	50	3"	4"	110	145	410

AQ系列

本阀门适用于工作温度≤200℃的空气，系空压机专用安全阀，当设备内压力超过允许值时，阀门自动开启，继而全量排放，当压力降低到规定值时，阀门自动关闭，保证设备安全运行。

The valve of the air what the working temperature are less than 200℃, is air compressor specificity safety valve. when the pressure of equipment exceeding the allowed value, the valve will turn on automatically and discharge the pressure entirely. when the pressure decrease to the stated value, the valve will quickly turn off automatically, in order to make the equipment run effectively.





AQ系列
结构图 Structural drawing

主要零部件材料 Materials for main parts

NO.	零件名称 Name of part	AQ-20 材料 Materials
1	阀体 Body	2Cr13
2	阀座 Nozzle	2Cr13
3	阀瓣 Disc	2Cr13
4	阀杆 Stem	2Cr13
5	阀盖 Bonnet	ZG230-450
6	阀帽 Cap	ZG230-450

外形尺寸和连接尺寸 Dimensions (mm)

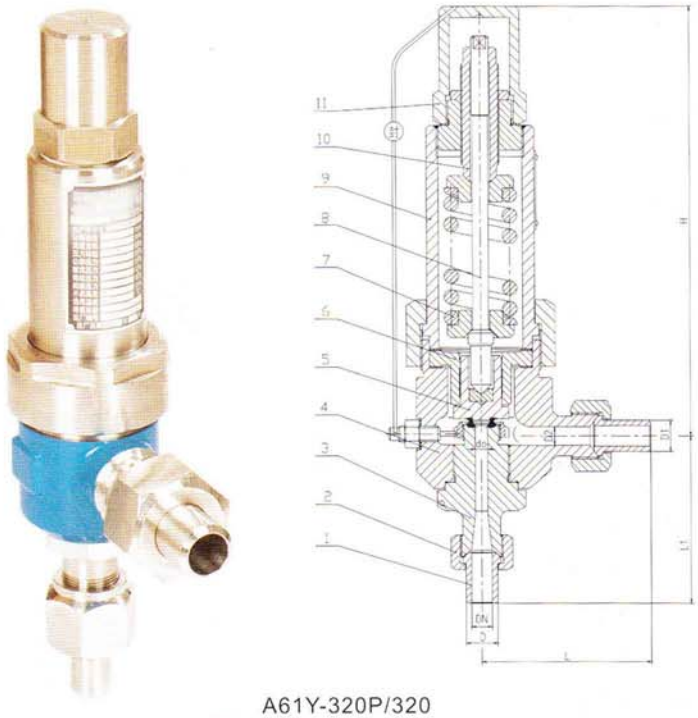
公称通径 Nominal diameter DN(mm)	尺寸 Dimensions (mm)						
	do	G	D	D_1	Z-φd	L	H
20	17	G1"	62	44	4-17	25	220
25	20	M36×2	70	50	4-20	28	226

系列 Series

- ***A61H-160***
- ***A61Y-160P***
- ***A61Y-320***
- ***A61Y-320P***

A61$^{H}_{Y}$-160，A61$^{H}_{Y}$-320适用于工作温度≤200℃的空气、氨、石油气等介质的设备和管路上，A61Y-160P，A61Y-320P型适用于温度≤200℃有腐蚀性的气体或液体的设备和管路上，作为超压保护装置。

A61$^{H}_{Y}$-160，A61$^{H}_{Y}$-320 type are Used for the equipment and pipeline of the equipment and pipeline of the air, ammonia, petroleum gas etc. Medium what the working temperature are less than 200℃. A61Y-160P, A61Y-320P type are used for the equipment and pipeline of the quality with corrode gas and liquid medium what the working temperature are less than 200℃. Take for extra pressure protection devices.



A61Y-320P/320
结构图 Structural drawing

主要零部件材料 Materials for main parts

NO.	零件名称 Name of part	A61H-C A61Y-C 材料 Materials	A61Y-P 材料 Materials
1	接头 Union	20	1Cr18Ni9Ti
2	接头螺母 Union nut	35	1Cr18Ni9Ti
3	阀座 Nozzle	2Cr13	1Cr18Ni9Ti
4	阀体 Body	35/35CrMoA	1Cr18Ni9Ti
5	阀瓣 Disc	2Cr13	1Cr18Ni9Ti
6	导向套 Guide	2Cr13	1Cr18Ni9Ti
7	弹簧 Spring	50CrVA	50CrVA包覆氟塑料 Coated Teflon
8	阀杆 Stem	2Cr13	2Cr13
9	阀盖 Bonnet	ZG230-450	1Cr18Ni9Ti
10	调节螺杆 Adjusting bolt	45	2Cr13
11	阀帽 Cap	ZG200-400	1Cr18Ni9Ti
	密封面材料 Sealing surface of material	“Y”型堆焊Co基硬质合金 Depositing stellite,	“H”型堆焊D507 Depositing D507

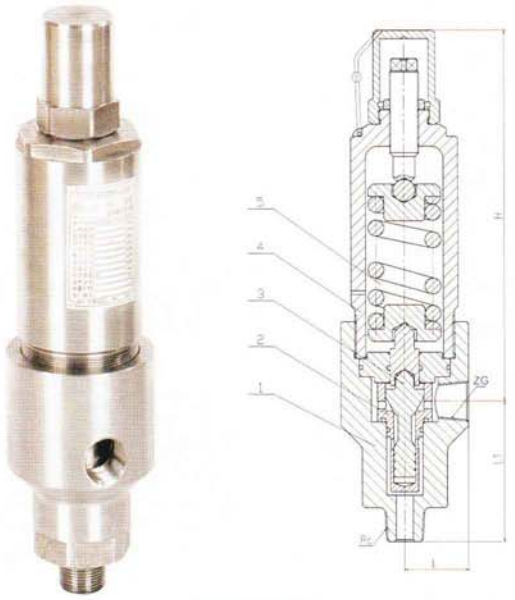
外形尺寸和连接尺寸 Dimensions (mm)

公称压力 Nominal pressure PN(MPa)	公称通径 Nominal diameter DN(mm)	尺寸 Dimensions do	D	D_1	D_2	L	L_1	H
16	10	6	22	33	24	145	150	262
	15	8	25	33	24	145	150	262
	20	10	25	33	24	145	150	262
	25	12	35	33	24	145	150	262
32	10	6	22	33	24	145	150	262
	15	8	25	33	24	145	150	262
	20	10	25	33	24	145	150	262
	25	12	38	33	24	145	150	262

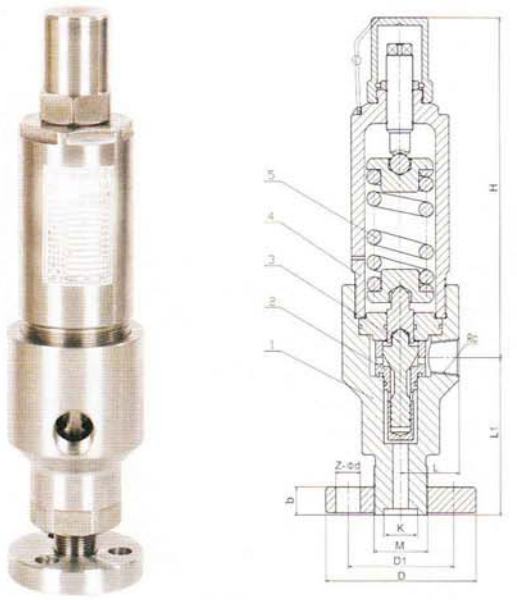
AY42H、YA802Y-600

AY42H、YA802Y型安全溢流阀可用于高压注水泵站的管路上，作为超压保护装置。

AY42H、YA802Y type safety overflow valves are to be applied to pipelines in high-pressure pump stations to provide over pressure protection.



YA802Y-600
结构图 Structural drawing



AY42H
结构图 Structural drawing

主要性能规范

型号 Type	公称压力 Nominal pressure (Mpa)	开启压力分级 Opening pressure	工作温度(℃) Working temperature	适用介质 Suitable medium
AY42H-160 YA802Y-160	16.0	6.3~16.0	200	水、油品等 Water、Oil goods etc.
AY42H-250 YA802Y-250	25.0	10.0~25.0		
AY42H-400 YA802Y-400 YA802Y-600	40.0~60.0	20.0~60.0		

主要零部件材料 Materials for main parts

NO.	零件名称 Name of part	材料 Materials
1	阀体 Body	碳钢 Carbon steel
2	阀座 Seat	不锈钢 Stainless steel
3	阀瓣 Disc	不锈钢 Stainless steel
4	阀盖 Bonnet	焊接件 Welding
5	弹簧 Spring	50CrVA

外形尺寸和连接尺寸 Dimensions (mm)

型号 Type	公称通径 Nominal diameter DN(mm)	尺寸Dimension (mm) Rc	ZG	L	L_1	≈H
YA802Y-600	15	1/2"	1/2"	52	90	250
	25	1"	1"	52	113	275
	40	1 1/2"	1 1/2"	52	157	336

型号 Type	公称通径 Nominal diameter DN(mm)	尺寸 Dimension (mm) D	D_1	K	M	Z-φd	b	L	L_1	Rc	≈H
AY42H-160 AY42H-250 AY42H-400	15	135	95	25	M48×2	4-22	25	65	140	1"	329
	20	165	115	30	M52×2	6-26	28	80	150	1 1/2"	447
	25	200	145	38	M80×3	6-29	40	90	180	2"	485
	32	225	170	42	M100×3	6-33	50	100	200	2 1/2"	570

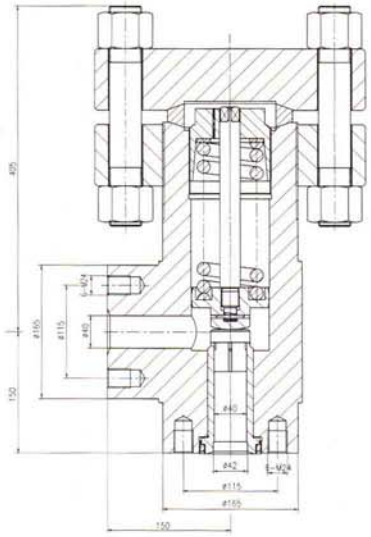
系列 Series

· ***A42Y-1000***

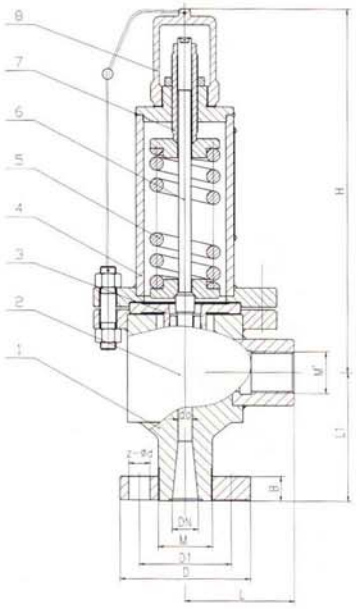
A42Y-1000适用于工作温度≤200℃的水、非腐蚀性油品等介质的设备和管路上，作为超压保护装置。

A42Y-1000 type are used for the equipment and pipeline of water, oil etc. Medium what the working temperature are less than 200℃. Take for extra pressure protection devices.





油田专用阀 Valves for petroleum
结构图 Structural drawing



A42Y-1000
结构图 Structural drawing

主要零部件材料 Materials for main parts

NO.	零件名称 Name of part	A42Y-1000 材料 Materials
1	阀体 Body	锻35
2	阀瓣 Disc	2Cr13
3	导向套 Guide	2Cr13
4	阀盖 Bonnet	35
5	弹簧 Spring	50CrVA
6	阀杆 Stem	2Cr13
7	调整螺杆 Adjusting bolt	45
8	阀帽 Cap	ZG200-400
	密封面材料 Sealing surface of material	堆焊Co基硬质合金 Depositing stellite

外形尺寸和连接尺寸 Dimensions (mm)

公称通径 Nominal diameter DN(mm)	尺寸Dimension（mm）										
	do	D	D_1	M	B	Z-ϕd	DN'	M'	L	L_1	H
10	6	115	80	M42×2	32	4-18	15	M27×2	80	110	320
15	8	135	95	M42×2	36	4-22	20	M33×2	80	120	330
25	10	165	115	M64×3	40	6-26	32	M45×2	85	130	350

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