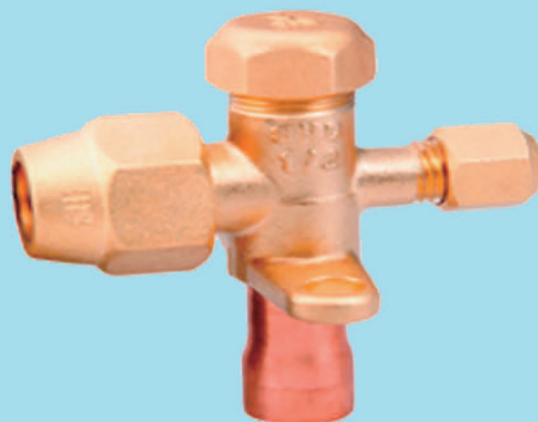




铜截止阀 Copper shut-off valve

铜截止阀（SSV系列）适用于分体式空调中，也可以用在其他制冷系统中，连接室内机和室外机，通操作阀杆，可以关闭阀的内部通路。三通型号（带充注接头）在维修时作为检修阀，用来抽真空，添加制冷剂。

Copper valve (SSV Series) for split type air conditioning, can also be used in other refrigeration system, connected with the indoor machine and an outdoor machine, through the operation of the valve stem, valve can close the internal path. Three pass type (with charging connector) as maintenance valve maintenance, for vacuum pumping, add refrigerant etc..



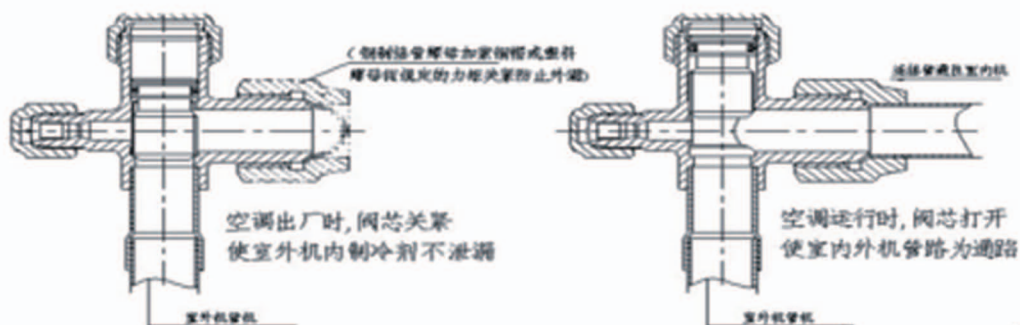
● 特点 Features

- 产品可以带充注也可不带充注
- 低成本、高效率的解决方法
- 耐应力腐蚀性能高
- products can be filled with or without filling
- low cost and efficient solutions
- high resistance to stress corrosion

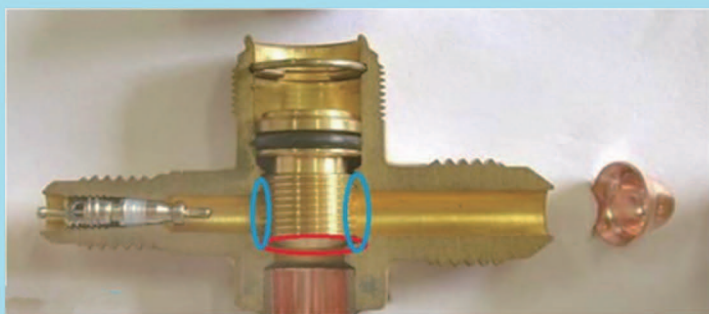
● 通用规格

- 适用于所有常规的HCFC和HFC制冷剂，例如：R22, R134a, R404A, R407C, R410A, R507C R32
- 使用介质温度：-30℃~+120℃
- 最高工作压力：HFC: 4.8 MPa HCFC: 3.0 MPa general specifications
- suitable for all conventional HCFC and HFC refrigerants such as R22, R134a, R404A, R407C, R410A, R507C, R32
- use medium temperature: -30 DEG C, ~+120 DEG C
- maximum work pressure: HFC: 4.8 MPa HCFC: 3 MPa

工作原理图 Working Principle Diagram



外形尺寸outline dimension



接头螺纹[inch]	接 管 [inch]	充注接头螺纹 [inch]	制冷量[HP]	备注
7/16-20UNF	1/4		0.7 - 2.0	
5/8-18UNF	3/8	7/16-20UNF	0.7 - 5.0	
3/4-16UNF	1/2	7/16-20UNF	1.5 - 10	
7/8-14UNF	5/8	7/16-20UNF	2.0 - 12	
1-1/16-14UNS	3/4	7/16-20UNF	5.0 - 8.0	
1- 1/4-12UNF	7/8	7/16-20UNF	6.0 - 10	

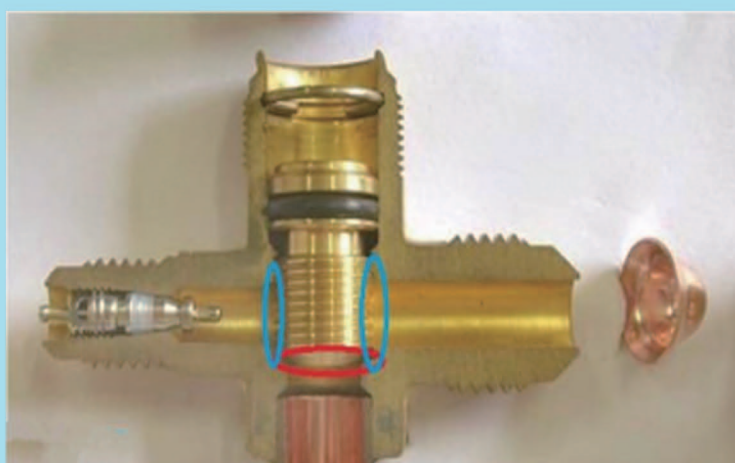
通 径 latus rectum	外形尺寸 (mm) outline dimension						扳手尺寸 Wrench Size			
	A	B	C	D	E	F	接管 螺母 unio n nut	阀帽 bonn et	阀杆 valv e stem	充注帽 Filling cap
7.0	25.0	7.2	38	14	41	60	S22	S19	S5	S14
10.0	32.0	7.2	38	16	44	60	S24	S22	S5	S14
12.5	35.0	7.2	38	18	50	60	S27	S26	S5	S14
16.0	48.5	7.2	44	25	64	60	S32	S30	S5	S14
20.0	62.0	7.2	60	24	71	60	S38	S42	S8	S14
4.8	23.5	7.2	38	14	36	60	S17	S19	S5	



截止阀型号规格参数表

Service Valve Model No. and Specification

截止阀满足压缩机功率为0.75-10HP、适用制冷工质（冷媒）为R22、R407C、R410A等。
Stop valve to meet the compressor power of 0.75-10HP, applicable refrigerant (refrigerant) for R22, R407C, R410A and so on.

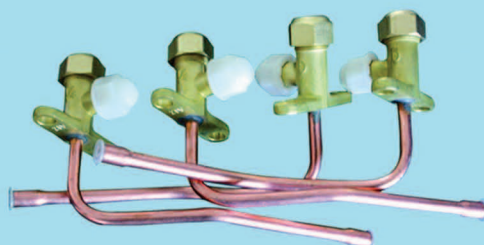


基本参数				
代号	名义通径（mm）	管接头螺纹	充注接头螺纹	
			R22、R407c	R410a
1/4”	4.8	7/16-20UNF	7/16-20UNF	1/2-20UNF
5/16”	6	1/2-20UNF		
3/8”	7(8)	5/8-18UNF		
1/2”	10	3/4-16UNF		
5/8”	13(12.5)	7/8-14UNF		
3/4”	16	11/16-14UNS		
7/8”	20(19)	11/4-12UNF		
1”	22	15/16-12UN		
11/8”	25	17/16-12UN		
工作环境				
适用冷媒介质	R22	R407c	R410a	
最大工作压力MPa	2.94	3.45	4.15	
工作温度℃	-30~+120			

阀系列



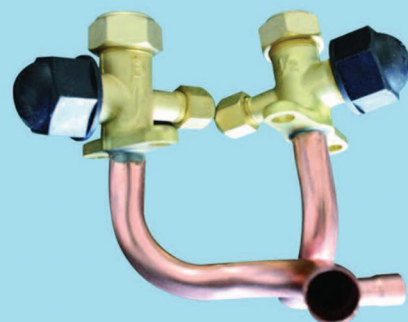
空调截止阀
Globe Valve



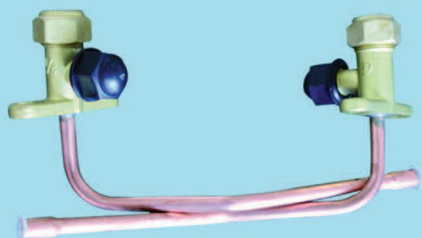
空调截止阀
Globe Valve



空调截止阀
Globe Valve



空调截止阀
Globe Valve



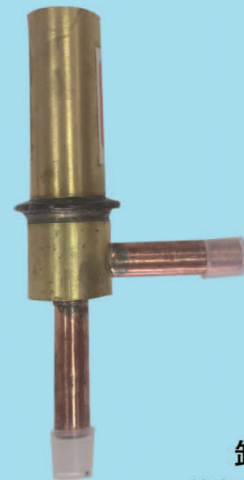
空调截止阀
Globe Valve



空调截止阀
Globe Valve



四通阀
Four Way Valve



卸荷阀
Unloading Valve



空调截止阀
Globe Valve



空调截止阀
Globe Valve

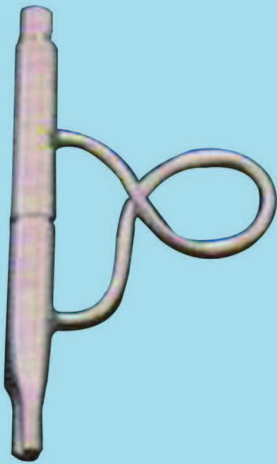


空调截止阀
Globe Valve

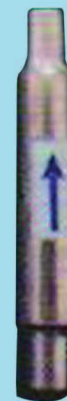
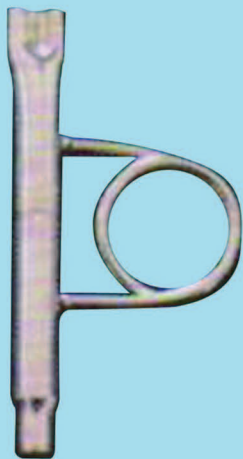


空调截止阀
Globe Valve

HTX

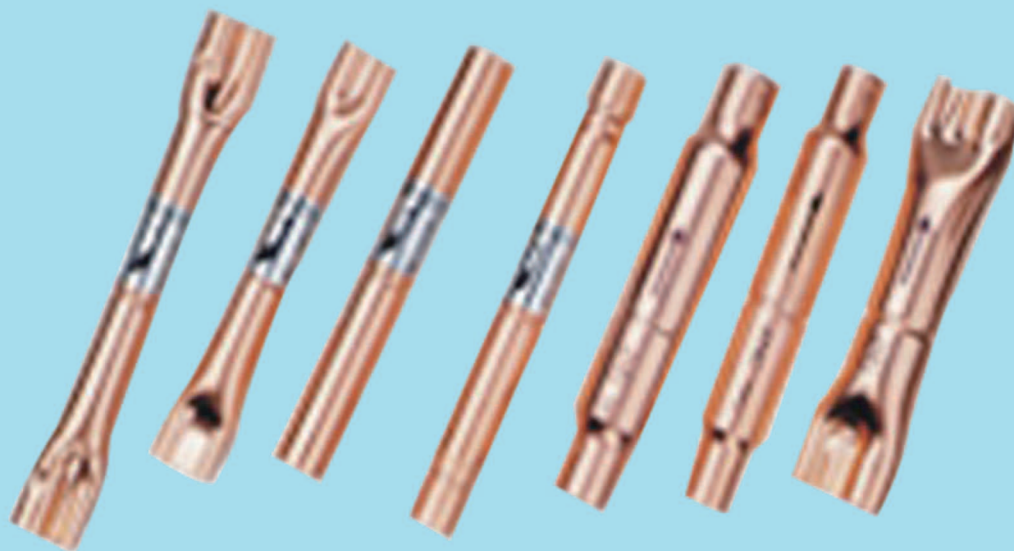


One-way valve
单向阀





单向阀check valve



●规格

DXF-4、DXF-6、DXF-8、DXF-10、DXF-12

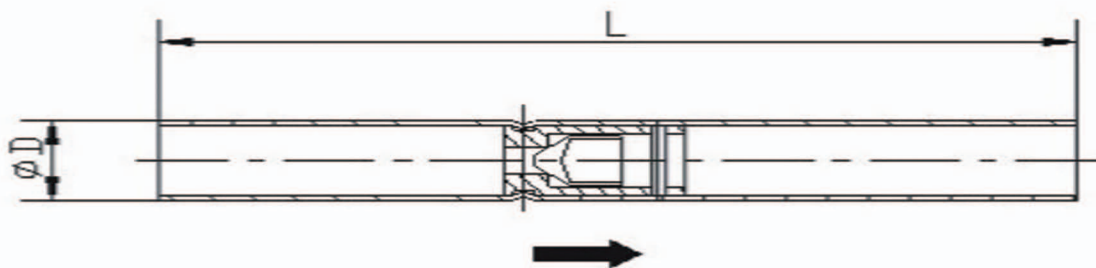
●用途

单向阀是空调系统的重要部件，与毛细管配合起到制冷剂正、反方向流量控制的作用。

●特点

采用优质工程塑料、不锈钢阀芯制造、性能可靠。

DXF-6, DXF-8, DXF-4, DXF-10, DXF-12 use of one-way valve is an important component of air conditioning system, and plays with capillary refrigerant, reverse direction flow control. Characteristics of the high quality engineering plastic, stainless steel valve manufacturing, reliable performance.





● 工作原理

(1) 当流体从进端流进时, 阀芯受到制冷剂本身流动压力作用, 被打开推向挡环(或挡销)处, 此时单向阀导通; 当制冷剂从出端进入时, 阀芯受到自重和单向阀两端的压力差的作用, 紧紧压在阀座上形成密封。

(2) 该种结构形式的单向阀与制热毛细管并联, 在制冷循环时, 制冷剂正向流过单向阀; 在制热循环时, 冷剂反向流动, 单向阀密封, 制冷剂从制热毛细管流过。这样可使空调器在制冷和制热状况下, 通过毛细管长度的变化获得不同的节流量使空调器处于合理的运行状态。The working principle of (1) when the fluid from the inlet flow, valve refrigerant flow pressure by itself, is open to the retaining ring (or pin), the one-way valve is turned on; when the refrigerant from the terminal to enter, and a one-way valve spool by weight at both ends of the pressure difference is tightly pressed to form a seal in the seat.

(2) one-way valve and heating the capillary parallel structure forms, in the refrigeration cycle, the refrigerant flowing through the positive check valve; during the heating cycle, refrigerant flow, one-way valve sealing, refrigerant flowing through the heating capillary. The air conditioner in the refrigeration and heating conditions next, by changing the length of capillary was The air conditioner is in a reasonable running state with different flow rate

● 基本参数 essential parameter

型号	阀体外径 ΦD (mm)	阀管总长 L (mm)	流量 (L/min)	适用介质
DXF-4	$\Phi 9.52$	60~120	>3.2	R22 R407C R410A
	$\Phi 10$	60~120		
	$\Phi 11.5$	80~120		
	$\Phi 12$	80~130		
	$\Phi 12.7$	80~160		
DXF-6	$\Phi 16$	80~160	>5	
DXF-8	$\Phi 19$	80~180	>8	
DXF-10	$\Phi 22$	100~180	>12	
DXF-12	$\Phi 28$	100~200	>35	

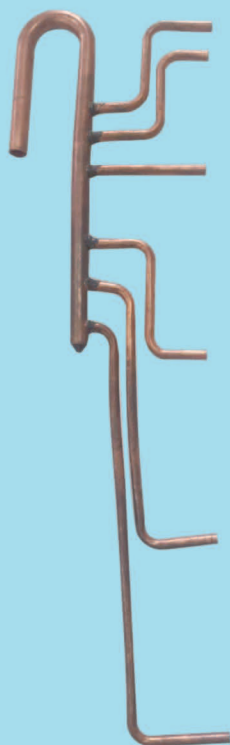
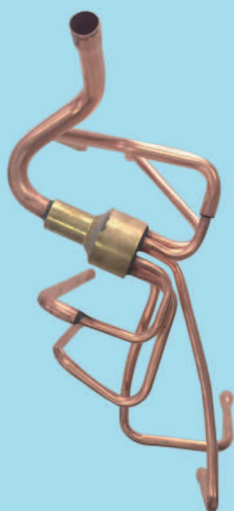
● 工作环境 work environment

适用介质 Applicable medium	R22、R134a	R407c	R410a
最高工作压力 MPamaximum working pressure	2.94	3.45	4.15
流体温度 $^{\circ}\text{C}$ Fluid temperature c	-30~+120(工程塑料阀芯)、-50~+200(不锈钢阀芯)-30~+120 (engineering plastic valve core), -50~+200 (stainless steel valve core)		



输入输出/分流组件

Diverter/Distributors





铜制件型号规格参数表

序号	名称	Model No.	接管尺寸 Connection pipe Size	Material	材质
1	T型三通	T Special Tee	$\Phi 11.2 \times \Phi 11.2 \times \Phi 7.5$	copper	紫铜
2	过滤器	Strainer	5- $\Phi 6.2$	copper	紫铜
3	分路体	Brass Distributor	3- $\Phi 6$	Brass	黄铜
4	异型管	180° Elbow	$\Phi 7 \times 64$	copper	紫铜



T 型 三 通
T Special Tee



五孔过滤器
Strainer



分路体
Brass Distributor



异型管
180° Elbow



接管螺母Connecting Nut



●用途

接管螺母系空调管路连接的重要部件，通过与接头螺纹的配合按规定密封，将铜路与接头紧密连接配合，并保证密封。

基本参数The connecting nut is an important part of the connection of the air conditioning pipe. It is sealed by the matching of the screw thread of the joint, and the copper road and the joint are closely connected with each other, and the sealing is ensured

规格型号 specifications and models	配套使用的铜管直径 (mm)Matched copper tube diameter	接管螺母螺纹 (in)Socket nut thread	六角对边尺寸(mm)Six angles to side dimensions
DN4	Φ6.35	7/16-20UNF	S17
DN8	Φ9.52	5/8-18UNF	S22
DN10	Φ12.7	3/4-16UNF	S24
DN13	Φ15.88	7/8-14UNF	S27
DN16	Φ19	1 1/16-14UNS	S32
DN20	Φ22	1 1/4-12UN	S28
DN25	Φ28	1 7/16-12UN	S45



阀杆 Valve Stem



●用途

阀杆系空调截止阀重要部件，其前端密封锥面与阀体阀座配合，按规定扭矩后起到关闭内部通路的作用，其上可装O型圈，与阀体内腔本县，防止介质外泄，后端设置内六角孔，可用扳手操作转动。

●特点

结构简单，可靠性高。

The use of air conditioning system is an important part of the valve stem, the front end of the sealing surface with the valve seat, according to the specified torque after closing the internal pathway, which can be installed on the O ring, and the inner cavity of the valve body of the county, to prevent the leakage of medium, is arranged at the rear end of inner six angle hole, available operating wrench rotation. The characteristics of simple structure. High reliability.

序号	名称	Name	尺寸规格 Specification	Material	材质
1	消音器	Muffer	$\Phi 6 \times 150$	copper	紫铜
2	消音器	Muffer	$\Phi 6 \times 125$	copper	紫铜
3	消音器	Muffer	$\Phi 6 \times 115$	copper	紫铜
4	消音器	Muffer	$\Phi 6 \times 95$	copper	紫铜
5	消音器	Muffer	$\Phi 9.52 \times 82$	copper	紫铜
6	消音器	Muffer	$\Phi 6 \times 120$	Aluminum	铝
7	消音器	Muffer	$\Phi 7 \times 105$	Aluminum	铝
8	消音器	Muffer	$\Phi 6 \times 120$	Aluminum	铝

消音器

Muffer



序号	名称	Name	尺寸规格 Specification	Material	材质
1	叉型管	Distributor Connector	3- $\Phi 6$	copper	紫铜
2	叉型管	Distributor Connector	$\Phi 6 \times \Phi 3.2$	copper	紫铜
3	叉型管	Distributor Connector	$\Phi 8 \times \Phi 3.2$	copper	紫铜
4	叉型管	Distributor Connector	$\Phi 4 \times \Phi 6.2$	copper	紫铜
5	叉型管	Distributor Connector	3- $\Phi 9.7$	copper	紫铜
6	叉型管	Distributor Connector	2- $\Phi 6 \times \Phi 9.7$	copper	紫铜

叉型管

Distributor Connector





黄铜配件

Brass Fittings



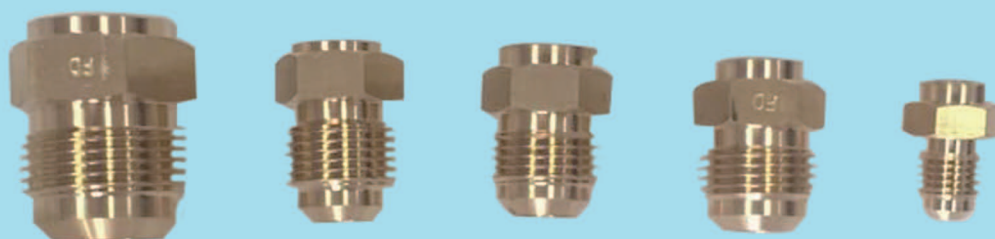
分配器 Copper shunt



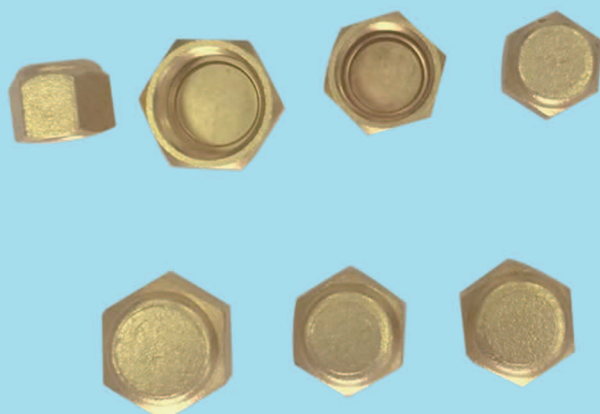
管子 Flare Nuts Model



阀杆 The stem



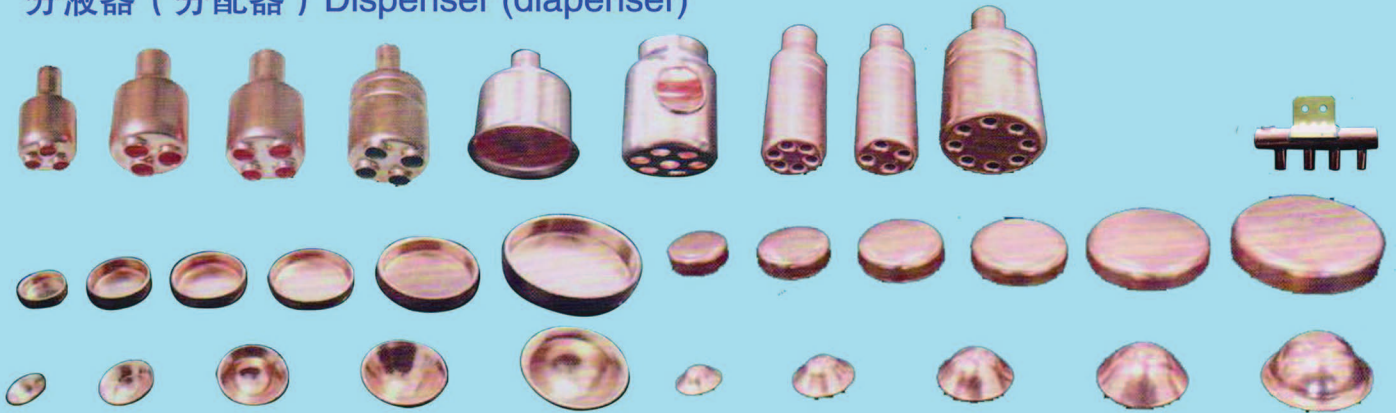
单接头 Single joint



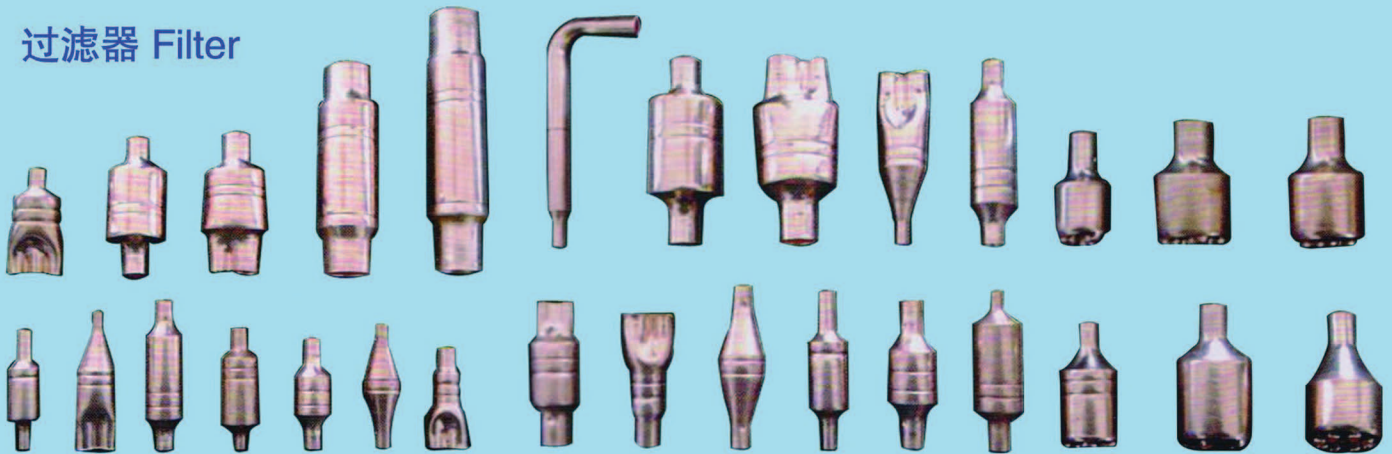
阀帽 Valve cap



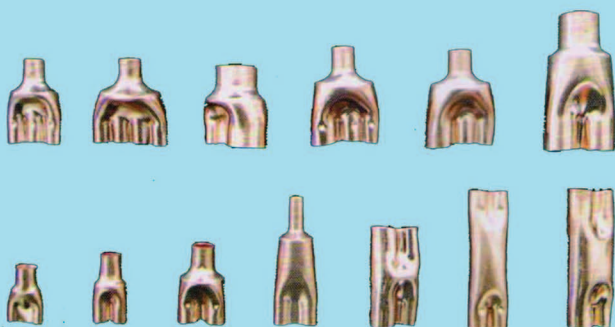
封口盖帽 Sealing cap
分液器 (分配器) Dispenser (diapenser)



过滤器 Filter

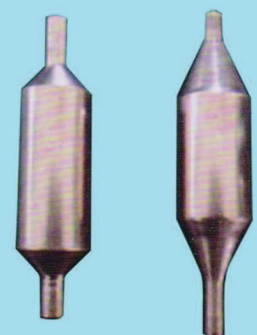


汇总管 Summary management



叉形管
Fork tube

消音器
Silencer

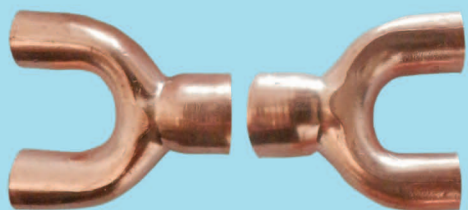




顶通管
Y Special Tee



顶通管
Y Special Tee



顶通管
Y Special Tee



U 型管
180° Elbow



U 型管
180° Elbow



U 型管
180° Elbow



爪型三通
Special Tee



爪型三通
Special Tee



侧三通
Three-Way Tube



侧三通
Three-Way Tube



压制三通 Three Pipe Fittings

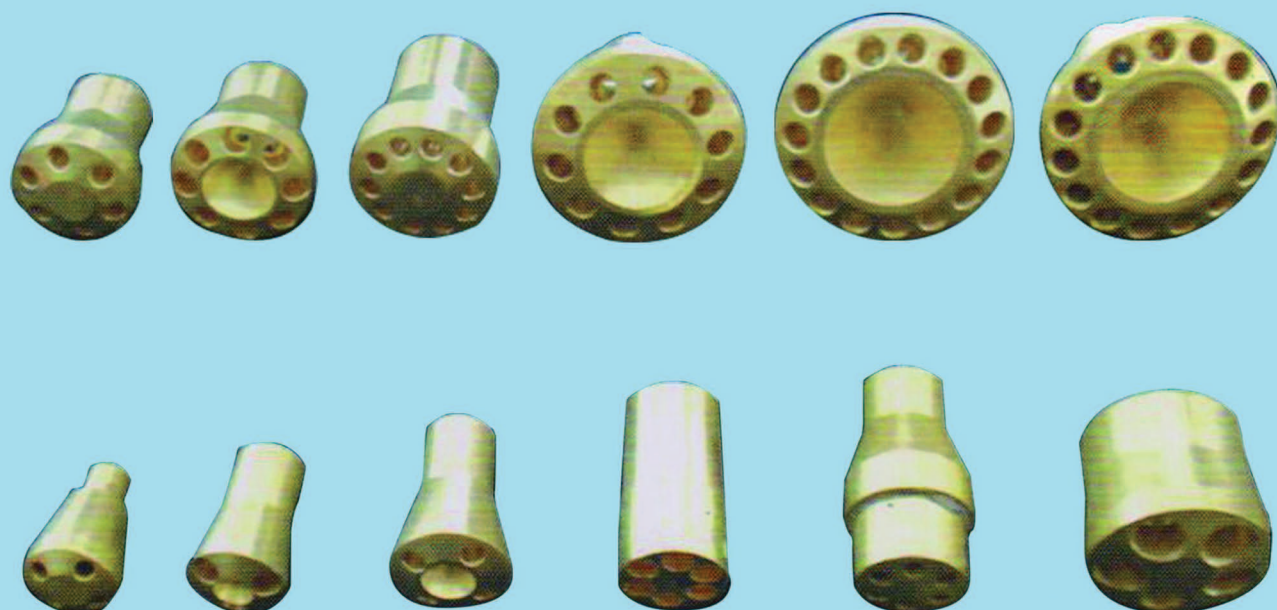


● 用途

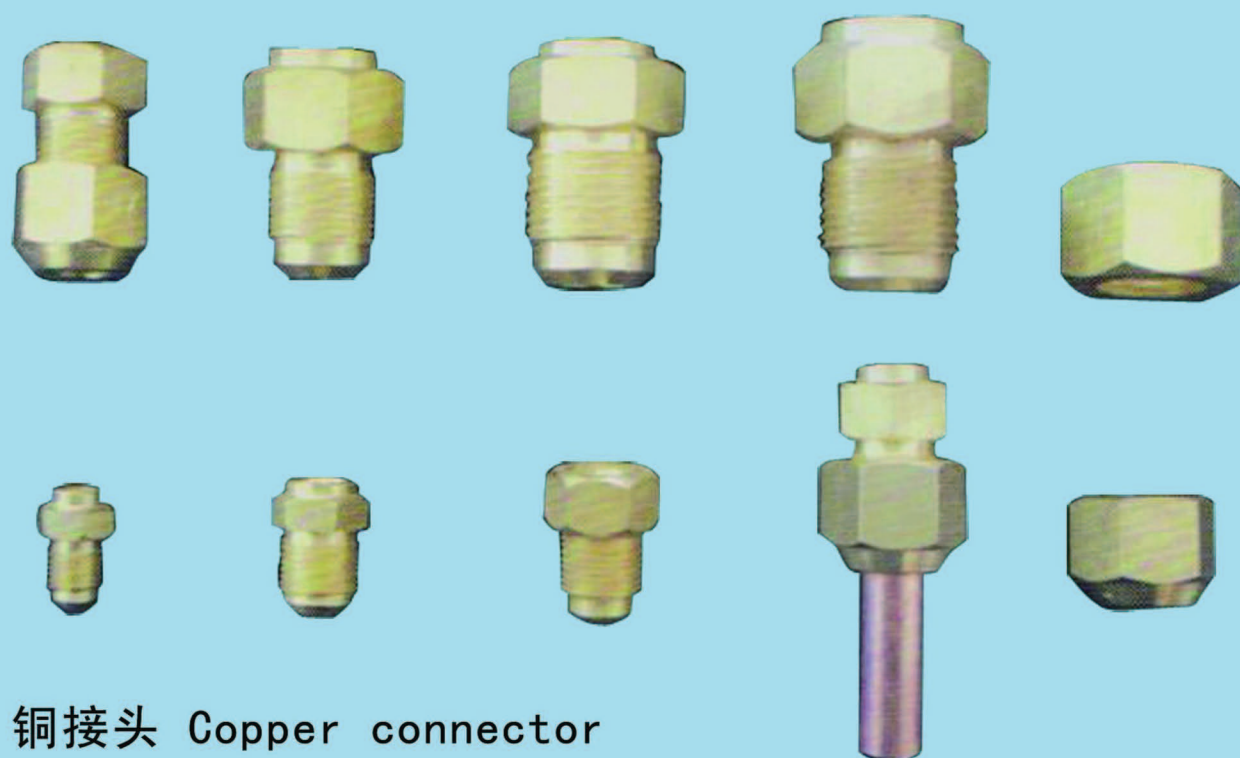
采用优质紫铜管，通过先进的挤压工艺制成各种接口三通管件，适用于各类空调器、冷暖系统中各管路的连接

The use of high quality copper tube, through the advanced extrusion process made of various interfaces, three pipe fittings, applicable to all types of air conditioning, cooling and heating systems in the pipeline connection

铜分流器 Copper shunt



铜接头 Copper connector





消音棉

消音棉，也称吸音棉，是一种由单种或多种不同纤维经多种工艺加工而成的卷状/片状材料，目前广为使用的是双组分消音棉，聚酯吸音棉是其中的一种。Silencing cotton, also called sound absorbing cotton, is a kind of roll / sheet material made of one or more kinds of fibers. It is widely used as a two component silencing cotton, and polyester sound absorbing cotton is one of them

● 产品特点Features

吸音性:100%聚酯纤维经高技术热压并以茧棉形状组成，在125-4000HZ噪声范围内吸音系数达到0.94。

Sound absorption: 100% polyester fiber by high technology hot pressing, and to cocoon cotton shape, in the 125-4000HZ noise range, sound absorption coefficient of 0.94.

保温性:特殊的吸音机理，创造了出色的保温性能，从而营造十分舒适的恒温空间。

Thermal insulation: special sound-absorbing mechanism, created excellent insulation performance, so as to create a very comfortable constant temperature space

阻燃性:聚酯纤维防火材料，出色阻燃防火性能，国家B1级防火检测报告。

Flame retardant: polyester fiber fire retardant material, excellent flame retardant, fire resistance, national B1 fire test report

环保性:聚酯纤维接近自然的色泽与特性，国家级检测机构出具的甲醛放射性安全合格证明，真正意义上的绿色环保产品。

Environmental protection: polyester fiber close to the natural color and characteristics, national inspection institutions issued formaldehyde safety certification, the real sense of green products

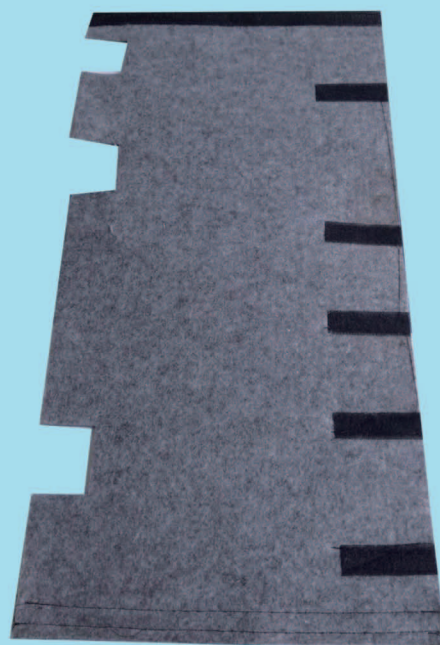
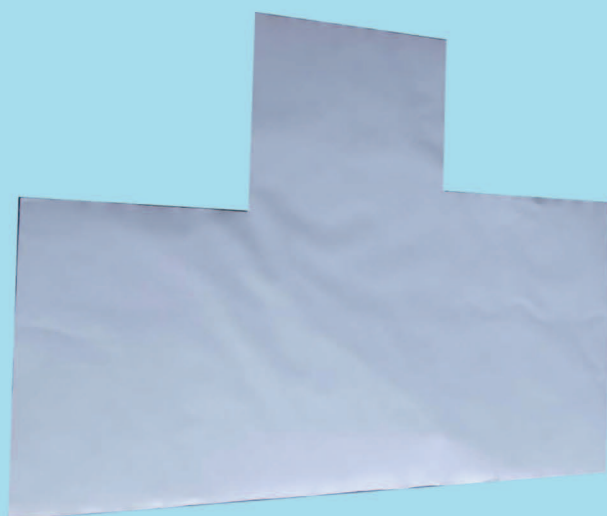
轻体性:真正轻质精巧。

Light body: real light and exquisite

稳定性:良好的物理稳定性，决定了不会因温度和湿度的改变而膨胀和缩小。

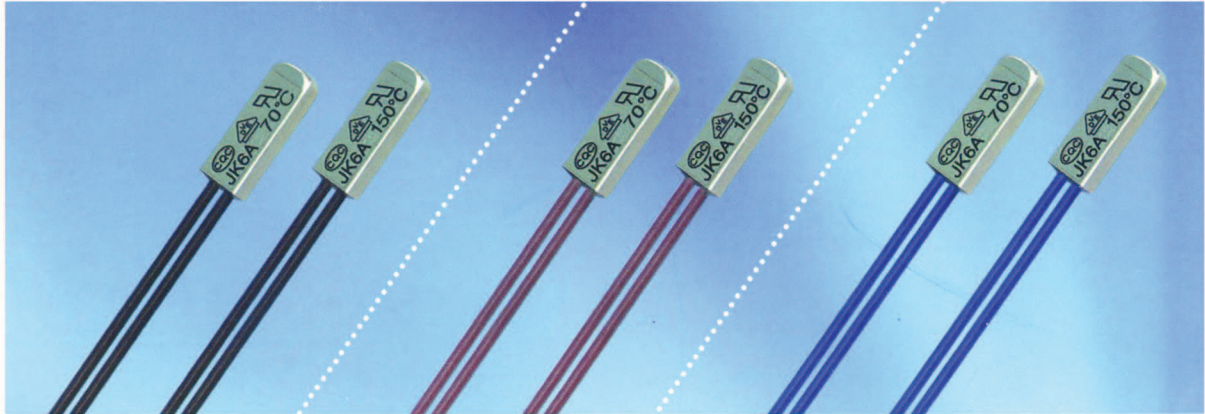
Stability: good physical stability that determines not to expand and shrink due to changes in temperature and humidity

隔音棉 Compressor Jacket





JK6A系列热保护器 JK6A series heat protector



● 应用范围 Using Range

JK6A 系列热保护器广泛应用于分马力电动机，在非正常状态下引起的热过载保护，也适用于荧光灯、镇流器、变压器、集成电路、家用电器等的过热保护，并可作二次线路中热检测器用。

JK6A series heat protector is widely used for separable starting motor, over load protector in abnormal condition, also it can be used for over load protect about fluorescent lamp, rectifier, transformer, integrate circuit, appliance etc, and meanwhile it can be used in secondary circuitry as a heat detector.

● 结构及保护原理 Structure And Protect Theory

JK6A型热保护器是由导热金属外壳、底板、簧片、动触点、底座、静触片、导线、双金属片动作元件与遇非正常工作时，随着被保护器周围温度升高至热保护器的额定温度值时，双金属元件迅速动作，打开触点，切断电源，当被保护电器周围温度冷却到安全工作温度时，触点自动闭合，恢复正常工作。

JK6A series heat protector is made up of heat conducting metal cover, bottom plate, reed, moving contact seat base, static contact, guide wire, double-mental act components, if the current increases or the environment temperature rises and the temperature reaches the preset value, the bimetal component will work and release the contact to shut off the circuit; and by contrast, if the device cools down to the safe temperature, the contact point will reset automatically.

● 触点最大容量 UContact Capacity

JK系列热保护器在下述条件下可分断接通保护5000次。

JK Series thermal protector are applicable for more than 5000 cycles.

电压 Vdtage	24V—DC	125V—AC	250—AC
电流 Current	12A	12A	8A



JK6A B4S, B5S, B6S系列热保护器

JK6A B4S, B5S, B6S series thermal protector

● 产品说明 Products Description

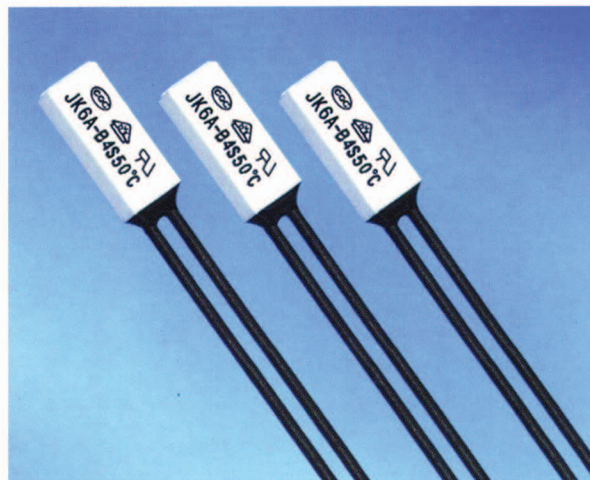
JK6A—B4S、B5S、B6S型系列热保护器，广泛应用于工业、家用电器的塑封电机及电器设备，防止因过流、过热而产生的非正常工作，提供有效可靠的安全保护。外壳采用耐高温、热传导快的高强度PBT工程塑料制造，适用于塑封电机外置式安装形式及灯具、电池、真空清洗机、PC板以及变压器等一般电器的过流保护和温度控制。

JK6A-B4S, B5S, B6S series thermal protector are widely used in electric motors of industrial ~ household appliance & other electric equipment. The JK6A-B4S, B5S, B6S series can effectively and reliably guard against the damage caused by overflow and overheat. The shell is made from heat resistant and heat conductive PBT engineering plastic. The product is applicable to the externally installed plastic sealed motors and lamps, battery, vacuum cleanout machine, PC plate, and transformer etc.

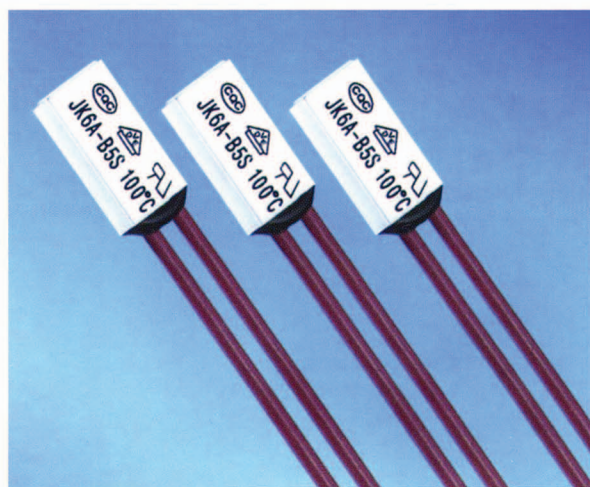
● 结构及保护原理 Structure And Protect Theory

JK6A—B4S、B5S、B6S型系列热保护器是由导热塑料外壳、焊有银合金的双金属元件，导热底板、支架、绝缘固定座、静触片及耐热导线等元件组成。当被保护电器设备温度升至额定温度值时，双金属元件迅速动作打开触点，切断电源。当被保护电器周围温度冷却到安全工作温度时，触点自动闭合，恢复正常状态。

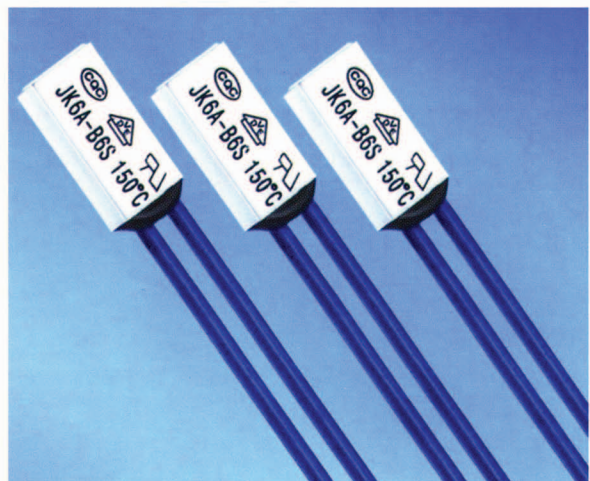
JK6A-B4S, B5S, B6S series thermal protector is composed by heat conductive plastic shell, bimetal component welded silver alloy contact, current conductive frame, insulated fixing seat, static contact pad and heat resistant wires etc. When the temperature of being protector equipment rises to specified temperature value, the bimetal component will work and release the contact to shut off the circuit; and by contrast, if the device cools down to the safe remperature, the contact point will reset automatically.



JK6A-B4T



JK6A-B5T

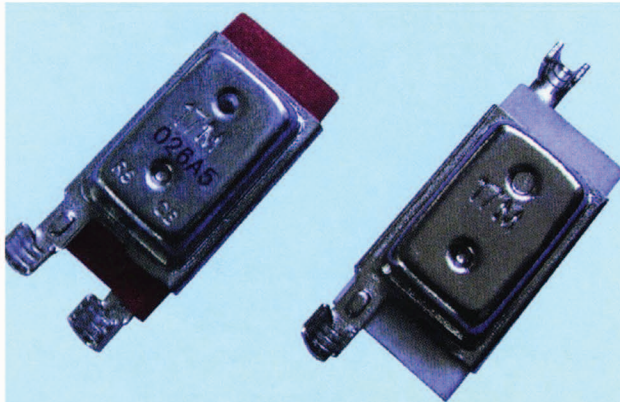


JK6A-B6T



J17M型系列热保护器

17M series heat protector



● 产品说明 Products Description

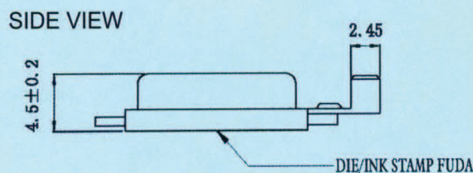
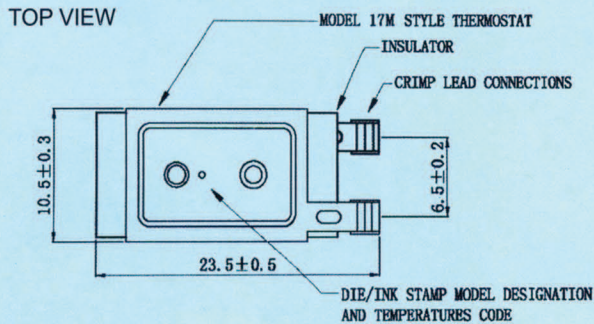
17M型系列热保护器广泛应用于电机、变压器、仪器、电动工具、屏蔽磁板马达、永久可分电起动马达、荧光灯、镇流器、起辉器、电池、汽车马达等有关应用，控制精度准确且对电流、温度双重保护。

17M series heat protector is widely used for electric motor, transformer, equipment electric tools, shielded magnetic-plat-emotor, permanent separable starting motor, fluorescent lamp rectifier, battery, vehicle motor etc. It has the precise control accuracy, and it can double-protect current and temperature.

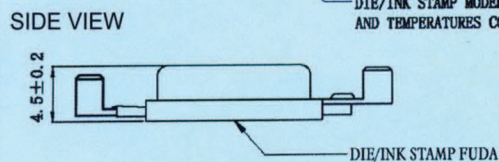
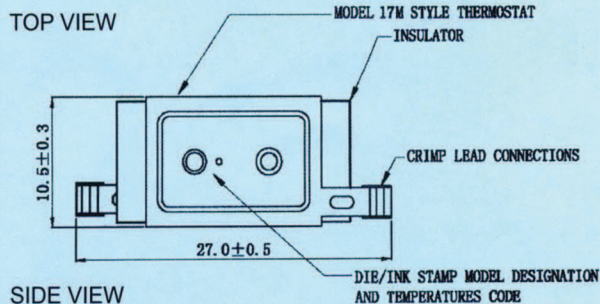
● 结构及保护原理 Structure And Protect Theory

电流流过外壳翻过的端子、双金属片以及相连的两触点，然后由底板上翻过的端子连接所联设备形成回路，温度或电流升高时，热量传到双金属片，当双金属片达到校正过的断开温度便迅速动作，这样切断了电通路，当温度下降到复位温度时，双金属片又迅速闭合，每一个17M的温度规格都有经过特别制造的双金属片所保证，每个保护器断开温度都要校正和检验，在所要求的循环寿命中，器件必须要提供最佳的断开和复位性能，从而达到使之连续可靠的工作目的。

Current flows through your lead connection into the can crimp terminal, through the can member, bimetal disc and mating contacts. The current completes its path by exiting through the plate member and the integral plate crimp terminal to your lead connection. As the temperature rises, the heat is transferred to the disc, The disc then snaps open at the factory calibrated opening temperature, thus breaking the current path. The bimetal disc snaps closed when the temperature level is achieved. Each 17M temperature rating has a bimetal disc specially manufactured for that rating. Each device is then calibrated and checked for opening temperature. This results in optimum snapping open and reset characteristics necessary to achieve consistent performance over the required cycle life.



MODEL 17M B TYPE



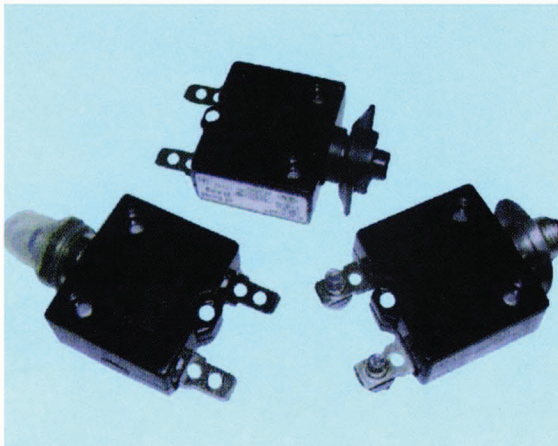
METRIC DIMENSIONS ARE IN MM



过载保护器 Over Load Protector

98 Series

Engineering Information



Rating: 3--50Amp

Input Power: 125/250Vac 50Vdc 50--60Hz

Interrupting Capacity: 125Vac x 1,000Amp

250Vac x 200Amp

Dielectric Strength: 1,500Vac 1minute

Resettable Overload Capacity: 10times rated current

Voltage Drop: Less than 0.25V

Insulation Resistance: > 500 M ohms

Reset Time: Within 60 seconds

Temperature Rise at Terminal Block: Less than 65?at 100%

of rated current applied

continuously at 25?

Contact Endurance: 125Vac x 150% of rated current > 500 Cycles

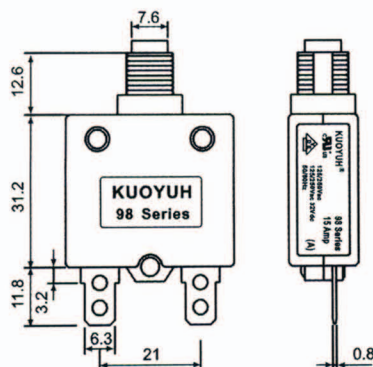
Calibration (at 25?)

100% of rated current: Hold, No--Trip

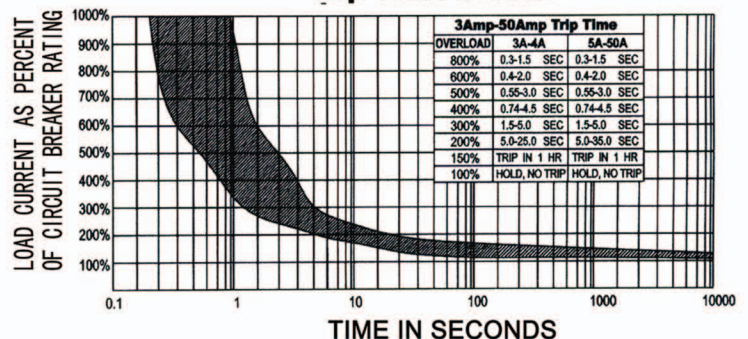
150% of rated current: Trip in one Hour

200% of rated current: Within 40 seconds

300% of rated current: Within 10 seconds



Trip Time Curves



TRIP CURVES ARE SPECIFIED OF 25? C/77°F

Max Resistance V.S. Current Rating at 25~3	
Current Rating in Amp	Maximum Resistance in ohms
3-4Amp	< 0.05
5-6Amp	< 0.04
7-8Amp	< 0.025
9-11Amp	< 0.02
12-13Amp	<0.01
14-16Amp	< 0.008
17-25Amp	< 0.007
26-35	< 0.006
46-50	< 0.005

Derating Factor	
Temperature	Rating Amp
60~3	x0.6
50~3	x0.7
40~C	x0.8
30~C	x0.9
25~3	x1.0
2~3	x1.1
10~C	x 1.3
0~c	x 1.5