AMG
Refrigeration Valve

Changzhou AMG Refrigeration Equipment Co.,Ltd.
常州埃姆基冷冻设备有限公司

汇世界阀门之精华
Collect essence of world valve

创国际品牌埃姆基
Create an international brand AMG

Thermojinn Distributor of AMG Valves

工业制冷阀门
Industrial refrigeration valve

目 录 Catalog

常州埃姆基冷冻设备有限公司引进国际先进的技术和设备专业生产AMG系列工业制冷阀门．其完美的设计、优异的性能、精良的制造．获“中国国际专利与名牌博览会金奖”、“美国国际品质认证委员会高品质产品推荐证书”。

AMG系列工业制冷阀门外形漂亮美观、结构先进独特、操作轻便灵活、密封性能优异、无泄漏、可靠性高、使用寿命长。广泛应用于制冷、冷冻、空调行业及食品、饮料、啤酒、制药、船舶、燃气、化工、石油等行业中的冷冻冷藏系统。

高性能的制冷系统需要高品质的部件来保证．使用AMG系列工业制冷阀门品高价廉．完全能代替昂贵进口阀门．并为您的产品争辉。

Changzhou AMG Refrigeration Equipment Co., Ltd. has introduced the world's advanced technology and equipment for specialized manufacture of Industrial refrigeration valve in AMG series. Because of their perfect design, excellent performance and high-quality manufacture, they were awarded “Golden Prize of China International Patent & Brand Exposition” and “Certificate of Recommendation for High-quality Products of the US Council of International Quality Authentication”.

Industrial refrigeration valve in AMG series are featured by good-looking and artistic appearance, advanced and unique structure, light and flexible operation, excellent sealing performance, zero leakage, high reliability and long service life. They are widely used in refrigerated-storage and freezing systems in the industries of cooling, refrigeration and air-conditioning as well as the industries of food, beverage, bear, pharmaceutical, ship-building, gas, chemical, petroleum, etc.

A high-performance refrigeration system is dependable on high quality components. The application of AMG series Industrial refrigeration valve with high quality and reasonable price will offer you a complete alternative for expensive imported valves while adding luster to your products.

产品特点 Product features

- 最佳的产品设计。采用CAD、SolidWorks辅助设计。
- 适用于所有的通用制冷剂以及非腐蚀性气体和液体。包括氨、氟、CO_2以及丙烷、丙烯等。
- 完美的密封性能。在运动件阀杆上采用高精度双“O”形密封圈及特制填料．无泄漏。所有密封垫均采用无石棉垫片．既耐氟又耐氨。
- 倒密封设计．可以方便地在系统工作状态下对阀门进行维护。双锥型面密封设计．保证流通能力大、压降小、功效高。
- 采用特殊的阀杆和阀瓣联接结构．阀瓣同心度自动调节．保证阀门关闭时的密封性以及减少阀瓣摩擦．使用寿命长。
- 结构紧凑、体积小、重量轻。降低运输费用、减少安装时间和降低劳动强度。
- 最佳的防锈、防腐保护。内外表面用特殊配方和工艺处理．保证清洁不生锈。不锈钢阀杆采用特殊的抛光技术。
- 可直接与钢管焊接或铜管钎焊．并提供手轮或密封帽供客户选择。
- 每个阀门均按欧洲标准进行严格的检测。

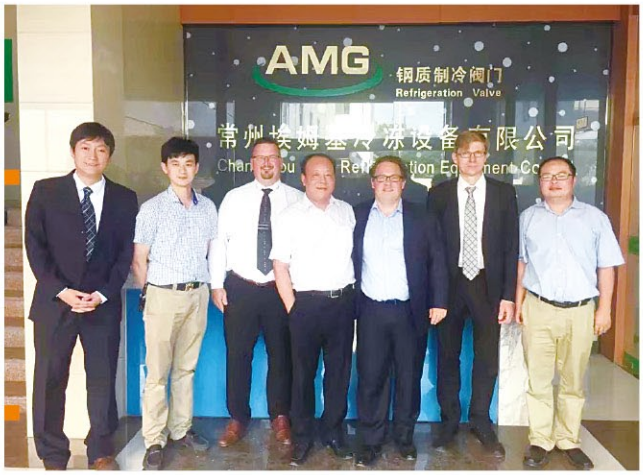
- Optimal product design. Adoption of computer-aided design (CAD SolidWorks).
- Applicable to all general-purpose refrigerants and non-corrosive gases and liquids, including ammonia, fluorine、CO_2,propane and propylene.
- Perfect sealing performance. The moving part valve stem is provided with high-precision double O-ring and PTFE packing to ensure zero leakage. All sealing gaskets are environment-friendly asbestos-free ones that are resistant to both fluorine and ammonia.
- The back seal design enables convenient valve maintenance during system operation. The double-cone seal design ensures large flow capacity, small pressure drop and high efficiency.
- A special linkage structure between valve stem and valve clack is adopted so that the concentricity of valve clack is adjusted automatically to ensure valve closing tightness and minimize valve clack friction for prolonging service life.
- Compact structure, small size and light weight. Reducing freight cost, shortening installation time and lowing labor intensity.
- Best protection against rusting and corrosion. Special rust-proof materials are used on the surface. The internal and external surfaces are treated with special formula and process to ensure cleanness and rust-free. The stainless steel valve stem is polished by a special technique.
- Possibility of direct welding to steel pipe or brazing to copper pipe. Customer options are offered for either hand-wheel or sealed cap.
- Each valve is inspected strictly according to European standards.

■ AMG公司与Parker集团公司签署合作协议

■ 冰轮集团李增群董事长在德国制冷展与Parker、AMG公司亲切交谈

■ 冰山冷热科技股份有限公司丁杰总经理等莅临AMG公司指导工作

■ Parker集团公司高层领导莅临AMG公司指导、交流工作



■ Dandfoss公司高层领导莅临AMG公司指导、交流工作

■ HANSEN公司高层领导莅临AMG公司指导、交流工作

化霜电磁三通调节阀AVF系列
Defrost electromagnetism valves avf type

技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

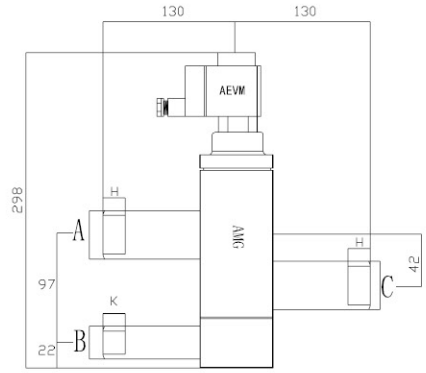
适用温度：−50℃~ +150℃
Applicable temperature: −50℃ ~ +150℃

试验压力：4.2MPa
Test pressure: 4.2MPa

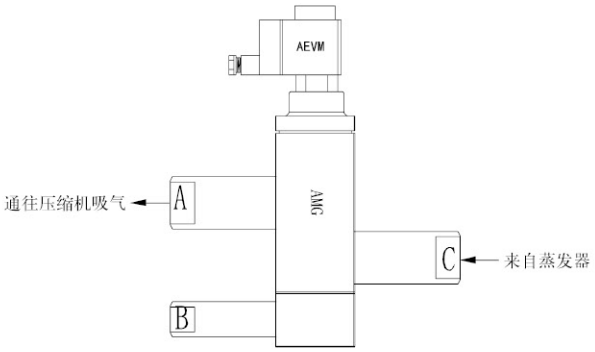
适用介质：氨、氟、等。
Applicable medium: ammonia, fluorine, etc.

特点 Characteristics

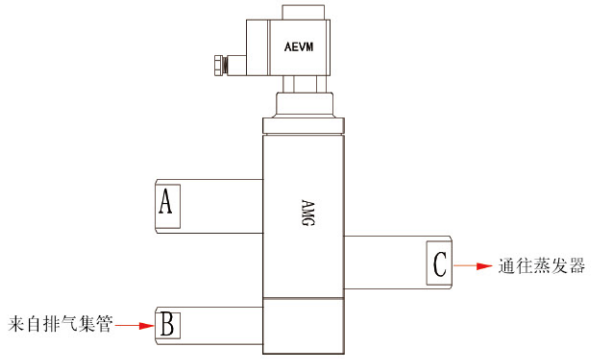
- AVF是一个专为热气化霜而设计的电磁三通调节阀
  The AVF valves, are thre way valve with electric working,designed to use for defrost by hot gas.
- 该阀设计成通过内部各腔室的互动，来减少外部复杂的管路连接，结构简单、紧凑合理、安装便捷。
  The valves are designed with internal comunication inter-chambers, avoiding external tubes and connections.
- 制冷周期循环：当电磁线圈失电时，B接口通道处于关闭状态，AVF阀处于正常的流动方向，从蒸发器到压缩机吸气。即C接口到A接口连通见（图二）。
  Refrigeration cycle: when the solenoid coil loses power, the B interface channel is closed, and the AVF valve is in the normal flow direction, and the air is inhaled from the evaporator to the compressor. See Figure 2 for the connection between interface C and interface a.
- 除霜周期循环：当电磁线圈得电，AVF阀内部通道切换，关闭通往压缩机接口A，接口B热气通过C接口进入蒸发器进行化霜见（图三）。
  Defrosting cycle cycle: when the solenoid is powered on, the internal channel of AVF valve is switched, and the interface a to the compressor is closed, and the hot gas of interface B is connected through C.
  See Fig. 3 for defrosting after the inlet enters the evaporator.
- 当蒸发器中温度或时间达到设定值时，电磁阀关闭，热气化霜将会结束，重新开始制冷循环。（但风扇需要延迟一段时间之后才能启动，俗称滴水时间）。
  When the temperature or time in the evaporator reaches the set value, the solenoid valve is closed, the hot gas defrosting will end, and the refrigeration cycle will start again. (but the fan needs to be delayed for a period of time before starting, commonly known as dripping time)
- AVF阀只能与排气集成总管连接，不允许与排气主管直接相连。
  AVF valve can only be connected with the exhaust integrated main pipe, and it is not allowed to be directly connected with the exhaust main pipe.



图一

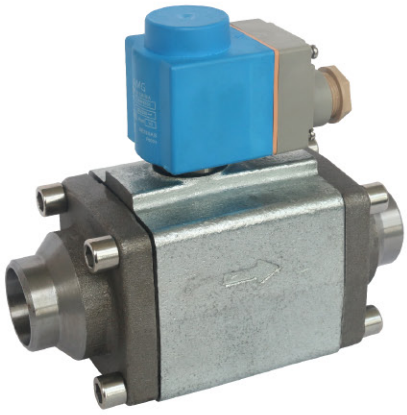


图二



图三

型号 Type	ϕA		ϕB		ϕC	H	k
	inch	mm	inch	mm	mm		
AVF 25-D	1-1/8"	34	7/8"	28	34	25	20
AVF 32-D	1-3/8"	42	7/8"	28	42	25	20



特点 Characteristic

- AEVRA是一种直接或者伺服动作的电磁阀，用于氨、氟等制冷剂的液体、吸气或热气管路上。
  AEVRA is a direct or servo-operated solenoid valve used in liquid, aspiration or hot gas pipelines of refrigerants such as ammonia and fluorine.
- AEVRAT则是一种辅助开启式的伺服电磁阀，可以应用于氨或氟等制冷剂的液体、吸气或热气管路上。
  AEVRAT is an auxiliary open servo solenoid valve, which can be used in liquid, aspiration or hot gas pipeline of refrigerant such as ammonia or fluorine.
- AEVRAT的特殊设计，使它开启时无需压差，因此特别适用于要求开启压差为零的场合。AEVRAT都具有手动开启装置。
  The special design of AEVRAT makes it open without pressure difference, so it is especially suitable for situations requiring zero pressure difference. AEVRAT has manual opening device.

技术参数 Technical parameters

型号 Type	使用标准线圈时的开启压差（△P bar）				介质温度℃	最大工作压力 bar	适用介质	Kv值 m^3/h
	最小 min	最大（介质为液体时）						
		10w a.c.	12w a.c.	20w a.c.				
AEVRA10	0.05	21	25	18	-40~+105	< 4.0	氨、氟等	1.5
AEVRAT10	0.00	14	21	16	-40~+105	< 4.0	氨、氟等	1.5
AEVRA15	0.05	21	25	18	-40~+105	< 4.0	氨、氟等	2.7
AEVRAT15	0.00	14	21	16	-40~+105	< 4.0	氨、氟等	2.7
AEVRA20	0.05	21	25	13	-40~+105	< 4.0	氨、氟等	4.5
AEVRAT20	0.05	14	21	13	-40~+105	< 4.0	氨、氟等	4.5
AEVRA25	0.20	21	25	14	-40~+105	< 4.0	氨、氟等	10.0
AEVRA32	0.20	21	25	14	-40~+105	< 4.0	氨、氟等	16.0
AEVRA40	0.20	21	25	14	-40~+105	< 4.0	氨、氟等	25.0

型号 Type	额定冷量[1]KW								
	液体			回气			热气		
	R717	R22	R134a	R717	R22	R134a	R717	R22	R134a
AEVRAT10	142	30.2	27.8	9.0	3.4	2.5	42.6	13.9	11.3
AEVRAT15	256	54.4	50.1	16.1	6.2	4.4	76.7	24.9	20.3
AEVRAT20	426	90.6	83.5	26.9	10.3	7.3	128	41.5	33.9
AEVRA25	947	201	186	59.7	22.8	16.3	284	92.3	75.3
AEVRA32	1515	322	297	95.5	36.5	26.1	454	148	120
AEVRA40	2368	503	464	149	57.0	40.8	710	231	188

1)液管和回气管的额定制冷量的测定工况为：蒸发温度te=−10°C，阀前液体温度为25°C，阀门压差为△P=0.15bar，热气管额定制冷量的测定工况为：冷凝温度tc=−40°C，阀门压差为△P=0.8bar，热气温度为65°C，过冷度为△tsub=4k。

电磁阀VMP系列
Solenoid Valves VMP SET

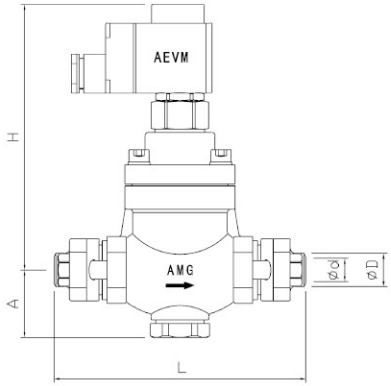
技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.



特点 Characteristics

- VMP系列是先导型活塞电磁阀，适合于氨和其它常用的氟利昂制冷剂
  VMP are solenoid piston servo-operated piston valves, suitable forammonia and other common fluorinated refrigerants
- 该阀按腰圆形法兰连接设计，用于与钢管或铜管的焊接或钎焊电磁阀通常是常闭类型，当线圈得电时，而且最小的进出口压差△p=0.2~0.3 bar，电磁阀打开
  The valves are designed to be mounted between two oval flanges welded or brazed them to steel or cooper pipes.The valves are normally closed with currentless coil, and they open when the coil is powered with a minimum differential pressure between the inlet / outlet △p=0.2~0.3 bar.
- 当进出口压差△p<0.2 bar时，你可以使用RAK、RACK、RALK气动阀
  For applications with lower △p than 0.2 bar, you can use our gas powered valves RAK, RACK, RALK types
- 标准的线圈是NC类型，AC 220V−50/60Hz 10W，MOPD可达21Bar。
  The standard coil NC type, AC 220V-50/60Hz 10W and MOPD up to 21 Bar
- 提供带有DIN43650接头的封装线圈。
  are supplied encapsulated and with DIN 43650 connector.
- 与AFA过滤器的最佳组合。AFA过滤器标配目数为100目滤网，如需其它规格，请联系AMG公司。
  The best combination with AFA filter. The number of AFA filters is 100 mesh. For other specifications, please contact AMG.

名称 Name	型号 Type	尺寸(mm) Size(mm)							kv	Cv
		DN		ϕD	ϕd	A	H	L	L1		
VMP 电磁阀 Solenoid Valves	VMP 10	3/8″	10	14	10	43	171	160	100	2,6	3
	VMP 15	1/2″	15	21	15	43	171	160	100	3,8	4,4
	VMP 20	3/4″	20	27	20	43	171	160	100	4,5	4,8

电磁阀VMP系列
Solenoid Valves VMP SET

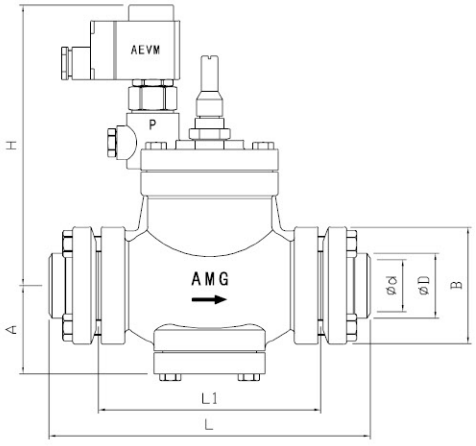
技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.



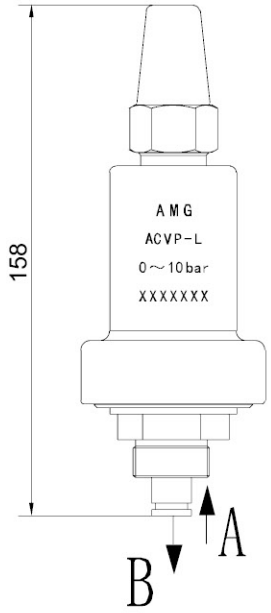
特点 Characteristics

- VMP系列是先导型活塞电磁阀，适用于氨和其它常用的氟利昂制冷剂
  VMP are solenoid servo-operated piston valves, suitable for ammonia and other common fluorinated refrigerants
- 该阀按法兰连接设计，用于与钢管或铜管的焊接或钎焊
  The valves are designed to be mounted between flanges, welded or brazed them to steel or cooper pipes.
- 电磁阀通常是常闭类型，当线圈得电时，电磁阀打开
  The valves are normally closed with currentless coil,and they open when the coil is powered
- VMP电磁阀的开启度与进出口的压差有关。如果压差△p=0.3 bar时，主阀会全开；如果压差是△p=0.2−0.3 bars，阀的开启度与此压差成正比例关系
  The degree of opening of VMP valves is function of the differential pressure between the inlet and outlet, so if the pressure difference is △p = 0.3 bar, the main valve will be fully open, and if it is △p = 0.2 ~ 0.3 bar, the degree of opening will be correspondingly proportional to △p.
- 配有手动紧急调整杆
  Prepared with hand manual emergency stem
- 标准的线圈是NC类型，AC 220V−50/60Hz 10W，MOPD可达21Bar。提供带有DIN43650接头的封装线圈。
  The standard coil NC type, AC 220V-50/60Hz 10W and MOPD up to 21 Bar, are supplied encapsulated and with DIN 43650 connector.

名称 Name	型号 Type	尺寸(mm) Size(mm)								kv	Cv
		DN		ϕD	ϕd	A	H	L	L1		
VMP 电磁阀 Solenoid Valve	VMP 20	3/4″	20	27	20	65	190	190	125	6	7
	VMP 25	1″	25	34	25	65	190	190	125	9	10.5
	VMP 32	1¼″	32	42	32	70	215	245	170	16	19
	VMP 40	1½″	40	48	40	70	215	245	170	30	35
	VMP 50	2″	50	60	50	70	220	255	180	40	47
	VMP 65	2½″	65	76	65	85	245	295	220	75	88
	VMP 80	3″	80	89	80	95	265	330	250	140	164
	VMP 100	4″	100	108	100	125	300	415	330	200	234

恒压导阀ACVP-L & ACVP-M

Pressure Control Pilots ACVP-L & ACVP-M



技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

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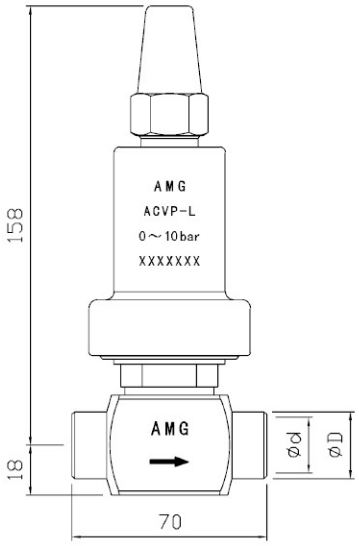
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.



特点 Characteristics

- 导阀ACVP–L用于恒压压力调节阀，可直接安装在主阀AM1或AM3上，也可以与外置管中的ACVH阀座安装，用于控制一个或几个AM或RAK阀。
  The Pilots ACVP-L are used as constant pressure regulators, mounted directly over main valves AM1 or AM3 but can be also mounted on a housing valve EC type, ACVH in a external line to control one or more AM or RAK valves.

- 导阀ACVP–L和ACVP–M，都工作于低压条件，但压力调节范围不同：
  ACVP–L： 0 Bars～10 Bars
  ACVP–M：−0.65 Bars～7 Bars
  The Pilots ACVP-L & ACVP-M both working in lower pressure, but in different range of regulation:
  ACVP-L: 0 Bars to l0 Bars
  ACVP-M: - 0.65 Bars to 7 Bars

- 顺时针转动阀轴，可增加导阀的开启压力(即蒸发压力和温度)，当逆时针转动阀轴，即减少导阀的开启压力。
  Turning the regulating spindle clockwise, increases the opening pressure of the pilot, (thus the evaporating pressure and temperature), and they decrease when we turn the spindle anticlockwise

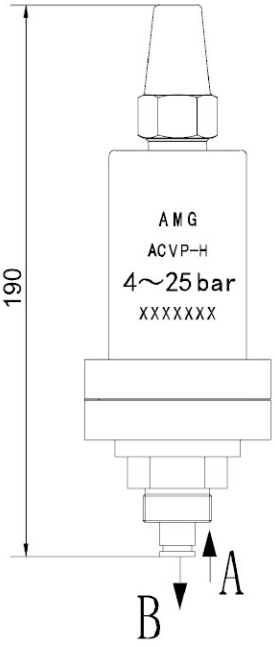
- 此导阀用于保持AM主阀进口压力恒定，低压型ACVP–L应避免振动影响。
  The guide valve is used to keep the inlet pressure of AM main valve constant. The low-pressure ACVP-L should avoid vibration.

- 当ACVP安装于ACVH阀座上时，既可用作单独的恒压阀，也可用作安全压阀。
  When ACVP is installed on the ACVH seat, it can be used as either a separate constant pressure valve or a safety pressure valve.

导阀型式	最大工作压力(bar)	KV(m³/h)	温度范围(℃)	压力范围(bar)
ACVP-L	17	0.4	-50/+120	0-10
ACVP-M	17	0.4	-50/+120	-0.65-7

导阀阀座	L	L1	H	D	d1	B
ACVH	70	50	35	23.5	NPT3/8	M24x1.5

恒压导阀ACVP-H
Pressure Control Pilots ACVP-H



导阀型式	最大工作压力(bar)	KV(m^3/h)	温度范围(℃)	压力范围(bar)
ACVP-HP	28	0.4	-50/+120	4-25

导阀阀座	L	L1	H	D	d1	B
ACVH	70	50	35	23.5	NPT3/8	M24x1.5

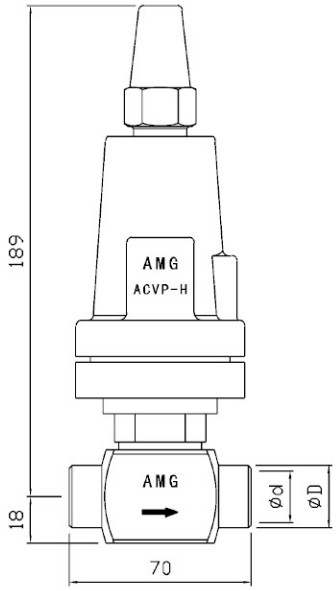
技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.



特点 Characteristics

- 导阀ACVP−H用于恒压压力调节阀，可直接安装在主阀AM1或AM3上，也可以与外置管中的ACVH阀座安装，用于控制一个或几个AM或RAK阀。
  The Pilots ACVP-H are used as constant pressure regulators, mounted directly over main valves AM1 or AM3 but can be also mounted on a housing valve ACVH in a external line to control one or more AM or RAK valves.
- 导阀ACVP−H工作于高压条件，压力调节范围为4−25Bars。
  The Pilots ACVP-H working in higher pressure with a, range of regulation of 4 Bars to 25 Bars.
- 顺时针转动阀轴，可增加导阀的开启压力(即冷凝压力和温度)，当逆时针转动阀轴，即减少导阀的开启压力。
  Turning the regulating spindle clockwise, increases the opening pressure of the pilot, (thus the condensating pressure and temperature), and they decrease when we turn the spindle anticlockwise
- ACVP−H导阀用于保持AM主阀进口压力恒定。也可用作安全阀，例如用于防止积液的存在导致压力过高。
  ACVP-H pilot valve is used to keep AM main valve inlet pressure constant. It can also be used as a safety valve, for example, to prevent excessive pressure due to the presence of effusion.
- 用在低于−50℃的环境温度下时，螺丝必须要更换为不锈钢螺栓。
  The screw must be replaced with stainless steel bolt when it is used at ambient temperature below - 50 C.

压差导阀ACVPP
Pressure Control Pilots ACVPP

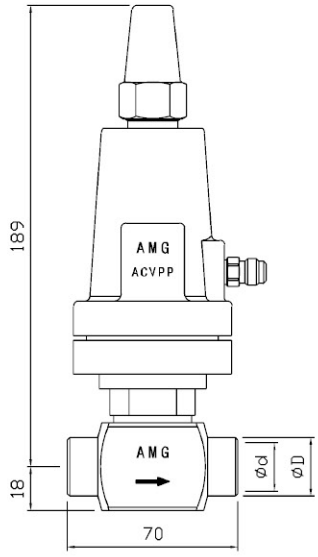
技术参数 Technical parameters

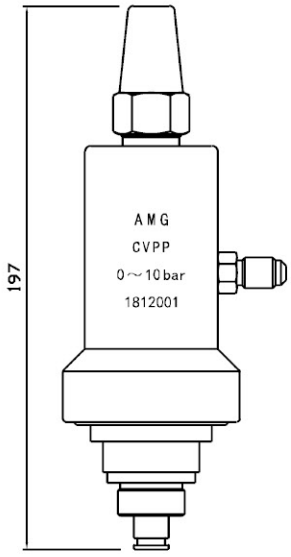
公称压力：2.8MPa
Nominal pressure: 2.8MPa

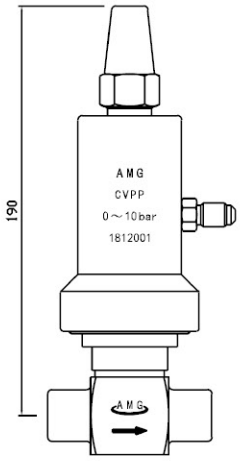
适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.







特点 Characteristics

- 导阀ACVPP用于压差压力调节阀，可直接安装在主阀AM1或AM3上，也可以与外置管中的ACVH阀座安装，用于控制一个或几个AM或RAK阀。
  The Pilots ACVPP are used as differential pressure regulators, mounted directly over main valves AM1 or AM3 but can be also mounted on a housing valve ACVH in a external line to control one or more AM or RAK valves.

- 导阀ACVPP用于控制于压差，压力调节范围为0Bars—10Bars
  The Pilots ACVPP working by differential pressure with a, range of regulation of 0 Bars to 10 Bars.

- 顺时针转动阀轴，可增加导阀的开启压力(即蒸发压力和温度)，当逆时针转动阀轴，即减少导阀的开启压力。
  Turning the regulating spindle clockwise, increases the opening differential pressure of the pilot, (thus the evaporating pressure for ex.) and it decreases when we turn the spindle anticlockwise.

- 此导阀用于保持AM进口压力和ACVPP参考压力之间差恒定。
  This guide valve is used to keep the difference between AM inlet pressure and ACVPP reference pressure constant.

导阀型式	最大工作压力(bar)	KV(m^3/h)	温度范围(℃)	压力范围(bar)
ACVPP	28	0.4	-50/+120	0-10

导阀阀座	L	L1	H	D	d1	B
ACVH	70	50	35	23.5	NPT3/8	M24x1.5

吸气压力控制导阀ACVC
Pressure Control Pilots ACVC

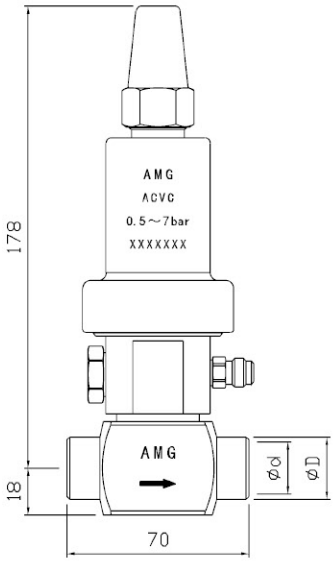
技术参数 Technical parameters

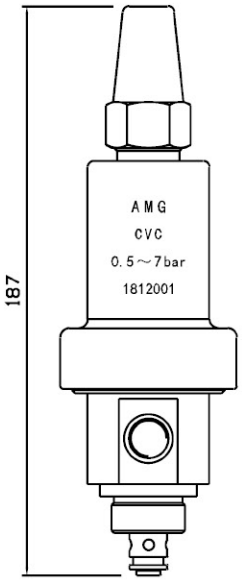
公称压力：2.8MPa
Nominal pressure: 2.8MPa

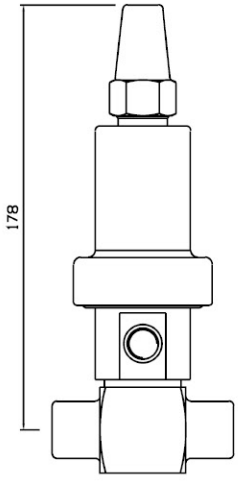
适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.







特点 Characteristics

- 导阀ACVC用于下游压力调节阀，可直接安装在主阀AM1或AM3上，也可以与外置管中的ACVH阀座安装，用于控制一个或几个AM阀。
  The Pilots ACVC are used as downstream pressure regulators mounted directly over main valves AM1 or AM3 but ,they can be also mounted on a housing valve ACVH in a external line to control one or more AM valves.

- 导阀ACVC工作压力调节范围是0.5Bars—7Bars。
  The Pilots ACVC working by a range of pressure regulation of - 0,5 Bars to 7 Bars.

- 顺时针转动阀轴，可增加导阀的开启压力(例如吸气压力)，当逆时针转动阀轴，即减少导阀的开启压力。
  Turning the regulating spindle clockwise, increases the opening pressure of the pilot, (thus the suction pressure for ex.) and it decreases when we turn the spindle anticlockwise

- ACVC结合AM主阀起最大吸气压力调节作用，例如用于压缩机曲轴箱压力调节。
  ACVC combines AM main valve to regulate maximum suction pressure, such as crankcase pressure of compressor.

- 参考压力必须接在系统低压侧。
  The reference pressure must be connected to the low pressure side of the system.

导阀型式	最大工作压力(bar)	KV(m^3/h)	温度范围(℃)	压力范围(bar)
ACVC	28	0.4	-50/+120	0.5-7

导阀阀座	L	L1	H	D	d1	B
ACVH	70	50	35	23.5	NPT3/8	M24x1.5

电磁导阀AEVM-NC & AEVM-NO
AEVM-NC & AEVM-NO Solenoid Pilots

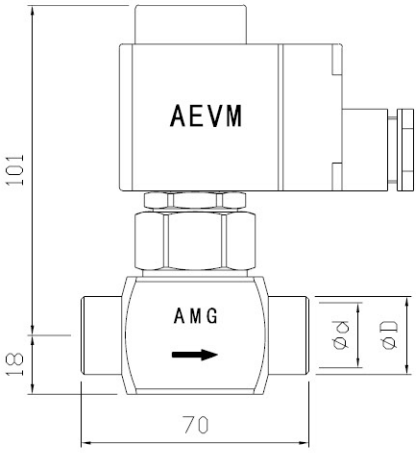
技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.



特点 Characteristics

- 导阀AEVM用于启闭主阀的电磁导阀，可直接安装在主阀AM1或AM3上，也可以与外置管中的ACVH阀座安装，用于控制一个或几个AM或RAK阀。
  The pilots AEVM are used as a shut-off solenoid pilot mounted directly over main valves AM1 or AM3, but can be also mounted on a housing valve EC type,ACVH in a external line to control one or more AM or RAK valves.

- 导阀AEVM–NC是常闭型，当线圈失电时，导阀关闭。当线圈得电时，导阀打开，然后压力作用于AM主阀活塞上，调节主阀打开。
  The pilot valve aevm-nc is normally closed. When the coil loses power, the pilot valve is closed. When the coil is energized, the pilot valve opens. Then, the pressure acts on the am main valve piston and the regulating main valve opens

- 导阀AEVM–NC的MOPD是21bar，而AEVM–NO是19bar。
  The MOPD of the pilots AEVM-NC is 21 bar, and for AEVM-NO19 bar.

- 标准的NC和NO线圈是电源为AC220V–50／60Hz带接头DIN43650的封装线圈。
  The standard coil NC and NO type AC 220V-50/60Hz and they are supplied encapsulated and with a DIN 43650 plug.

- AEVM是对AM主阀进行启闭调节的电磁导阀，当安装于ACVH阀座上，可作为独立的电磁阀使用。
  AEVM is an electromagnetic conductivity valve which regulates the opening and closing of AM main valve. When installed on ACVH seat, it can be used as an independent solenoid valve.

导阀型式	电压 V	频率 HZ	电流	功率（W）
线圈	220-230	50/60	A.C	10

导阀型式	最大工作压力(bar)	KV(m^3/h)	最大开启压差(bar)
AEVM	28	0.37	21

导阀阀座	L	L1	H	D	d1	B
ACVH	70	50	35	23.5	NPT3/8	M24x1.5

组合类型	型　号	功　能	动　作	应　用
标准恒压调节阀	RSA	入口压力控制	入口压力高于设定值时开启	任何入口压力控制 冷凝压力控制
带强制关闭功能调节阀	RSAS	入口压力控制或关闭调节阀	得电时调节，失电时关闭	温度控制开启 除霜时关闭
带强制全开功能调节阀	RSAB	入口压力控制或全开调节阀	失电时调节，得电时全开	温度控制时调节 融霜控制
双压力控制调节阀	RSAD	双压力控制调节阀	得电时低压调节 失电时高压调节	高压除霜 内部压力释放
出口压力调节	RSAO	控制出口压力	出口压力设定，可现场调整，出口压力下降时打开	曲轴箱压力调节 热气旁通 储液器压力控制
压差调节	RSAL	维持设定的压差	当压力差低于设定值时调节压力差	供液泵泄压调节 冷凝器与储液器压差
压差调节带电磁启闭	RSABL	保持阀进出口压差并可以压力调节	得电时制冷 失电时化霜	热气融霜 内部压力释放
电磁阀	VMP	系统管路全开或关闭	得电时全开 失电时关闭	吸气管路 液体管路 热气除霜
气动阀	RAK	常开型气动关闭	得电时关闭	回气管路以及需要短时间关闭场所
气动阀	RACK	常闭型气动打开	得电时全开	热气融霜，液泵循环 以及短时间需要自动打开的应用场所
两步融霜电磁阀	AMLX	两步式常闭气动打开	第一步线圈得电打开10%，第二步全开	化霜回气管路以及外置管路压力小于进口压力时仍需要自动关闭的场所

以上是压力调节阀的常用配置，如需要其它组合，请与AMG公司联系。

主阀AM1系列
Main Valves AM1 Type

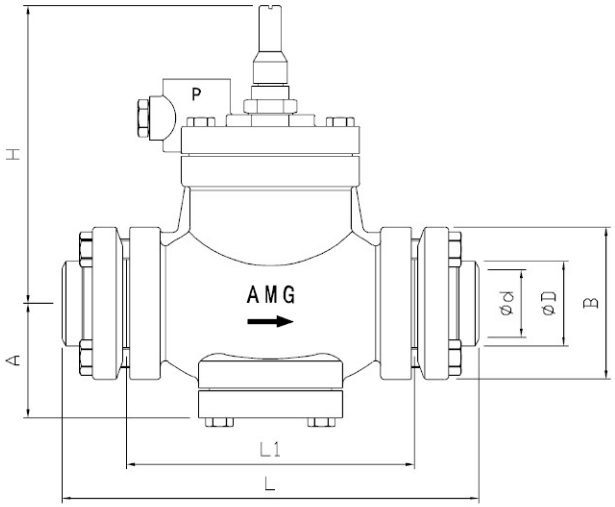
技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.



特点 Characteristics

- 流量调节阀，由通过螺纹连接在主阀或连接在外置的导阀管上的不同的导阀来实现。
  Flow regulating valves, servo-operated by different pilot valves screwed-in the main valve or mounted in an external pilot line.
- AM1设计用于氨和其它常用的氟里昂制冷剂，可用于液管回汽管，排气管或化霜管。此阀只有一个导阀连接口，故只能与一个导阀螺纹连接。
  The AM1 are designed to use with ammonia and other common fluorinated refrigerants, for liquid, suction, discharge or defrosting lines, and they have one port, thus, you can screw-in one pilot valve only.
- 与主阀螺纹连接的是M24x1.5，压力表连接是1/4″ BSP。
  The thread to screw-in the pilot valves is M24x1.5, and the pressure gauge connection 1/4"BSP.
- AM1阀的开启度与进出口压力差有关，所以如果压差Δp=0.3bar，主阀会全开；如果压差Δp=0.2～0.3bar此时阀的开启度与压差Δp成比例变化。
  The degree of opening of AM1 valves is function of the differential pressure between the inlet and outlet, so if the pressure difference is Δp = 0.3 bar, the main valve will be fully open, and if it is Δp = 0.2~ 0.3 bar, the degree of opening will be correspondingly proportional to Δp.

名称 Name	型号 Type	尺寸(mm) Size(mm)								kv	Cv
		DN		ϕD	ϕd	A	H	L	L1		
AM1 主阀系列 Main Valves Type	AM1 20	3/4″	20	27	20	65	150	190	125	6	7
	AM1 25	1″	25	34	25	65	150	190	125	9	10.5
	AM1 32	1¼″	32	42	32	70	175	245	170	16	19
	AM1 40	1½″	40	48	40	70	175	245	170	30	35
	AM1 50	2″	50	60	50	70	180	255	180	40	47
	AM1 65	2½″	65	76	65	85	205	295	220	75	88
	AM1 80	3″	80	89	80	95	225	330	250	140	164
	AM1 100	4″	100	108	100	125	260	415	330	200	234

主阀AM3系列
Main Valves AM3 SET

技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

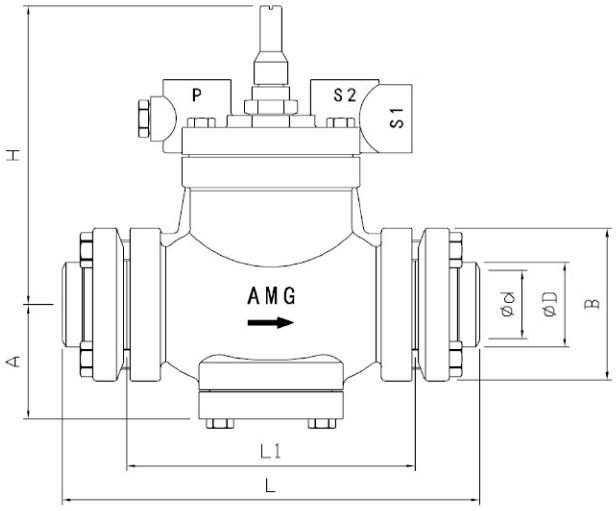
适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.

特点 Characteristics

- 流量调节阀，由通过螺纹连接在主阀或连接在外置的导阀管上的不同的导阀来实现。
  Flow regulating valves, servo-operated by different pilot valves screwed-in the main valve or mounted in an external pilot line.
- AM3设计用于氨和其它常用的氟里昂制冷剂，可用于液管回汽管，排气管或化霜管。AM3阀有三个导阀连接口：P，S1和S2，故能与二个或三个导阀螺纹连接。
  The AM3 are designed to use with ammonia and other common fluorinated refrigerants, for liquid, suction, discharge or defrosting lines, and they have three ports, P,S1 and S2, to screw-in two or three pilot valves.
- 螺纹连接在AM3上的导阀之间的关系如下：
  =在连接口上的S1&S2是串接，这样只要连接的一个导阀关闭，主阀就关闭；只有二个导阀同时打开，主阀将打开。
  =在螺纹连接的P连接口，与连接口S1&S2上的导阀是并联连接。只要P连接的导阀打开，不管S1或S2上的导阀是打开还是关闭，主阀AM3就打开；只要P上的导阀关闭，而且S1或S2上的导阀至少有一个是关闭的，主阀就关闭。
  The relations between the ports where it is possible to screw-in the pilot valves on the AM3, are following:
  = The pilot valves on the ports S1 & S2 are connected in series, thus the main valve will be open, if just one of the pilot valves connected is closed, and it will be open if both pilots valves are open at the same time.
  = The pilot valve screwed-in P, is connected in parallel with the pilot valves in ports S1 & S2, so the AM3 valve will be open if the pilot in P is open, irrespective if the S1 or S2 pilot valves, are open or closed, and the main valve will be closed if the pilot in P is closed and at least one of the pilot valves in S1 or S2, are closed at the same time.
- AM3阀的开启度与进出口压力差有关，所以如果压差是Δp=0.3bar，主阀会全开；如果压差Δp=0.2～0.3bar此时阀的开启度与压差Δp成比例变化。
  The degree of opening of AM3 valves is function of the differential pressure between the inlet and outlet, so if the pressure difference is Δp = 0.3 bar, the main valve will be fully open, and if it is Δp = 0.2 - 0.3 bar, the degree of opening will be correspondingly proportional to Δp.



名称 Name	型号 Type	尺寸(mm) Size(mm)								kv	Cv
		DN		ϕD	ϕd	A	H	L	L1		
AM3 主阀系列 Main Valves Type	AM3 20	3/4″	20	27	20	65	150	190	125	6	7
	AM3 25	1″	25	34	25	65	150	190	125	9	10.5
	AM3 32	1¼″	32	42	32	70	175	245	170	16	19
	AM3 40	1½″	40	48	40	70	175	245	170	30	35
	AM3 50	2″	50	60	50	70	180	255	180	40	47
	AM3 65	2½″	65	76	65	85	205	295	220	75	88
	AM3 80	3″	80	89	80	95	225	330	250	140	164
	AM3 100	4″	100	108	100	125	260	415	330	200	234

恒压调节阀RSA系列
Constant Pressure Regulating RSA SET

技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.

特点 Characteristics

- RSA型是由一个主阀AM1和一个0~10bar调节导阀ACVP–L组成的标准可选阀RSA–L。另有配-0.65~7barACVP–M可选阀RSA–M型和配4~25barACVP–H的可选RSA–H型

  RSA is a set make up Ofone AM1 and one regulation pilot ACVP-L for to10bar，as standard option RSA-L，with ACVP-M from -0.65 and 7 bar RSA-V type or with one ACVP-H for 4 to 25 bar，option RSA-H.

- 恒压调节阀RSA型可以提供工厂设定的RSA–L .RSA–M和RSA–H 可选项

  The pressure regulators RSA type can be supplied as RSA-L，RSA-M and RSA-H options set pressure and sealed in factory

运行原理 Operation

- 恒压调节阀RSA控制主阀的进口压力．当压力超过控制导阀的压力设定值时阀开启．这样装置中内部压力释放．从而起到装置保护作用

  The pressure regulators RSA type，control the inlet pressure of main valve，opening this one When the pressure exceeds the pressure setting on the control pilot，relieving so the inside pressure in the devloe to protect

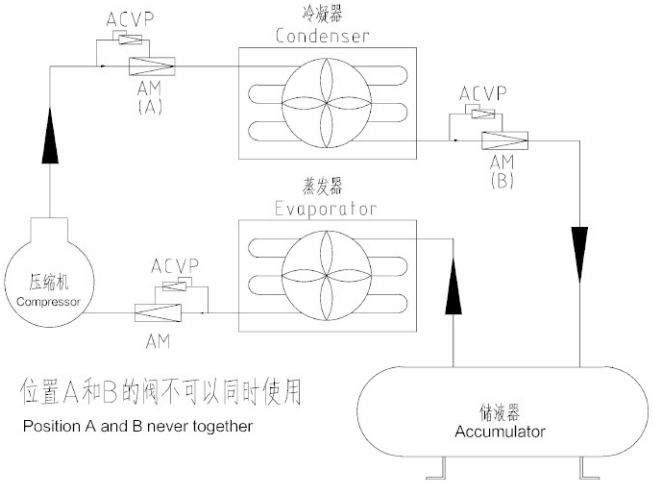
- 当导阀打开．进口流体进入阀活塞的顶部．此时主阀打开。
  When the pilot open，the inlet fluid pass to the top of piston opening the main valve.

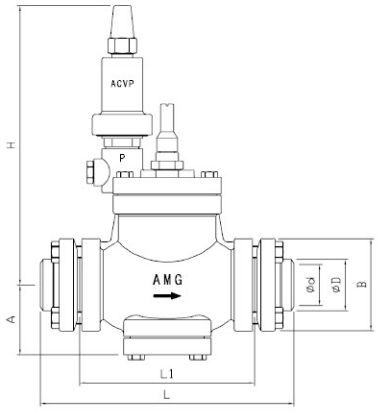
- 当进口压力减少并低于导阀的压力设定值时．压力调节主阀再次关闭。
  The pressure regulators dose again，When the inlet pressure decreases below the pressure setting on the pilot

应用 Applications

- 压力调节阀RSA设计适合于氨和其它的氟利昂制冷剂．用于控制蒸发压力．冷凝压力．任何容器或任何系统部位的压力．确保此处的压力低于导阀的压力设定值

  The pressure regulators RSA are designed to work with ammonia and other fluorinated refrigerants，to control evaporator pressure，condensing pressure，pressure invessels or pressure in any portion of the system，keeping this one below of the pressure setting of the pilot





名称 Name	型号 Type	尺寸(mm) Size(mm)					
		ϕD	ϕd	A	H	L	L1
RSA 恒定压力调节阀 Constant Pressure Regulating Valve	RSA 20	27	20	65	250	190	125
	RSA 25	34	25	65	250	190	125
	RSA 32	42	32	70	275	245	170
	RSA 40	48	40	70	275	245	170
	RSA 50	60	50	70	280	255	180
	RSA 65	76	65	85	305	295	220
	RSA 80	89	80	95	325	330	250
	RSA 100	108	100	125	360	415	330

压差压力调节阀RSAL系列
Differential Pressure Regulators RSAL SET

技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.

特点 Characteristics

- RSAL压力调节阀是由一个AM1和一个调节导阀ACVPP组成。类 似地我们可以提供与电磁导阀NC型连接的外置热气连接的RSALE型

  RSALis a set make up of one AM1 and one regulation pilot ACVPP. For similar aplication is available to supply the regulator RSALE，with one external hot gas connection controled by mean of a solenoid pilot NC type

运行原理 Operation

- 压力调节阀RSAL用于保持主阀进出口压差。而且可以实现压力调节．也就是说该阀会根据进出口压差与设定值相比的大小而开启和关闭

  The pressure regulators RSAL type，maintain the differentialpressure between inlet and outlet pressures of the main valve，modulating，is to say，opening and cosing the valve，if the difference between inlet and outlet pressure，rise or fall with regard to the set point.

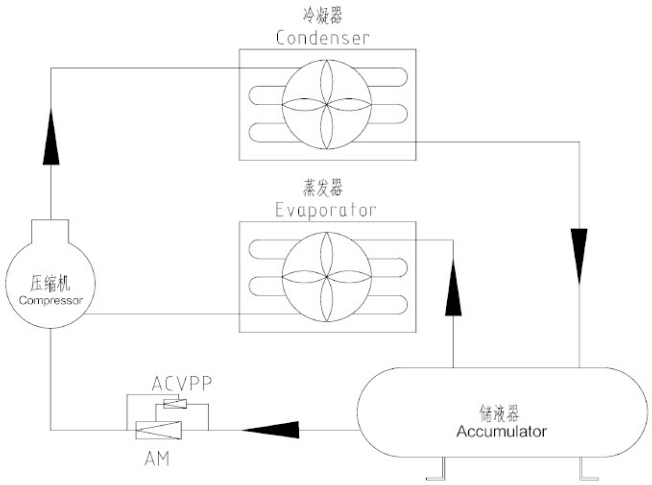
- 借助于热气．不依赖于主阀进出口压差．其变型RSALE允许打开主阀

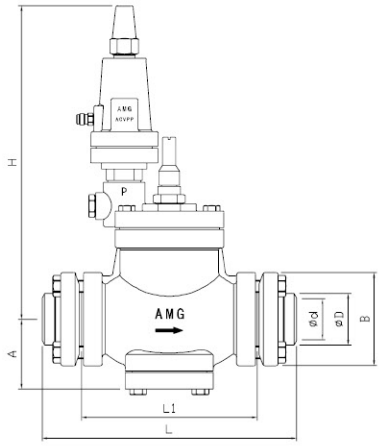
  The varlant RSALE allow to open the main valve thanks to the supply of hot gas，with independence of the differential pressure between inlet and outet pressure of the main valve

应用 Applications

- 调节压力阀RSAL设计适合于氨和其它氟利昂制冷剂．通常该阀用于液体泵泄露和其它的系统的压差控制。例如压缩机的回汽和排气压力差．冷凝器和储液器的压差等。

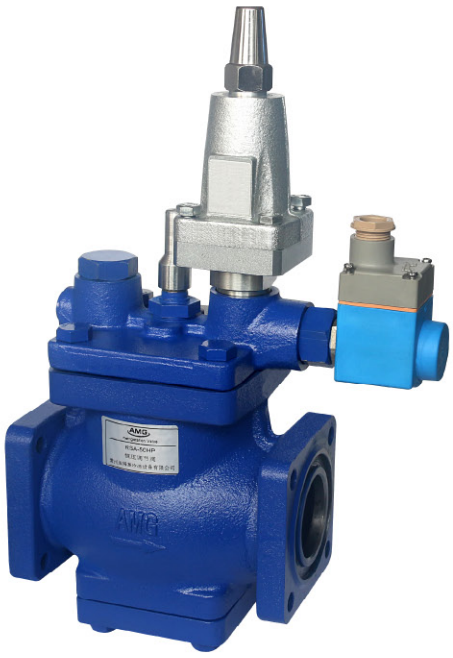
  The regulators RSAL are designed to work with ammonia and other fluorinated refrigerantsand commonly used as liquid pomps relief，and other aplications to control the pressure differences，for ex. Between suction and discharge in compresors，condenser and receiver pressure...etc





名称 Name	型号 Type	尺寸(mm) Size(mm)					
		ϕD	ϕd	A	H	L	L1
RSAL 压差压力调节阀 Differential Pressure Regulating Valve	RSAL 20	27	20	65	280	190	125
	RSAL 25	34	25	65	280	190	125
	RSAL 32	42	32	70	305	245	170
	RSAL 40	48	40	70	305	245	170
	RSAL 50	60	50	70	310	255	180
	RSAL 65	76	65	85	335	295	220
	RSAL 80	89	80	95	355	330	250
	RSAL 100	108	100	125	390	415	330

带电磁关闭压力调节阀RSAS系列
Pressure Regulators,With Electric Shut-Off RSAS SET



技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine,propane, etc.

特点 Characteristics

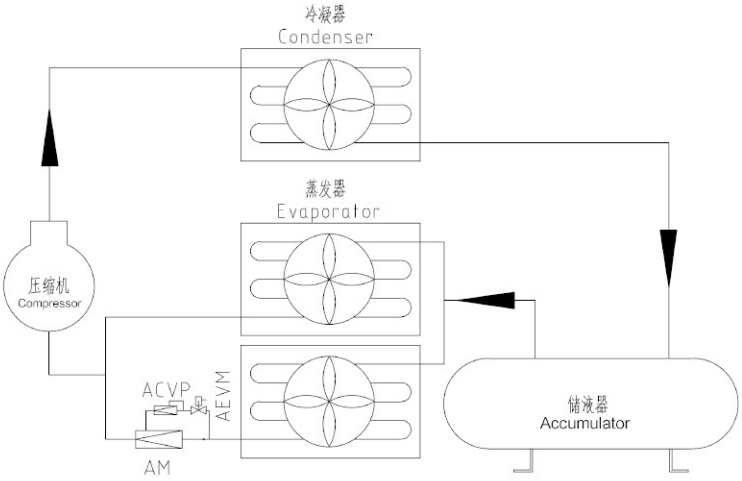
- RSAS是由一个主阀AM3和一个0~10bar调节导阀ACVP–L组成的标准可选阀RSAS型。另有配4~25bar调节导阀ACVP–H型可选阀RSAS–H型。该阀还配有一个电磁导阀AEVM–NC．当线圈失电时．导阀ACVP不起作用．主阀关闭

  RSAS is a set make up of one AM3 and one regulation pilot ACVP-L for 0 to 10 bar，as standard option RSAS or with one ACVP-H for 4 to 25 bar，option RSAS-H. and one solenold pilot AEVM-NC that deacivates the ACVP when is coil is de-energized，dosing of this way the main valve

- 压力调节阀RSAS系列．根据订单要求可以提供RSAS–L和RSAS–H可选．不同的压力设定在工厂设定．该系列阀配有电磁导阀AEVM－NO

  The pressure regulators RSAS type can be supplied as RSAS-L & RSAS-H options set pressure and sealed in factory，and with the solenoid AEVM-NO type，by order.

运行原理 Operation



- 同压力调节阀RSA系列一样．压力调节阀RSAS系列控制主阀的进口压力。当压力超过控制导阀的设定压力时．该阀开启。但以上动作只是电磁导阀的线圈得电时才起作用。

  The pressure regulators RSAS type，control the inlet pressure of main valve，as the RSA regulators，opening this one When the pressure exceeds the pressure setting on the control pilot，but only if the coil of the solenoid pilot have been energized.

- 当导阀开启．进口流体进入活塞的上部．打开主阀

  When the pilot open，the inlet fluid pass to the top of piston opening the main valve.

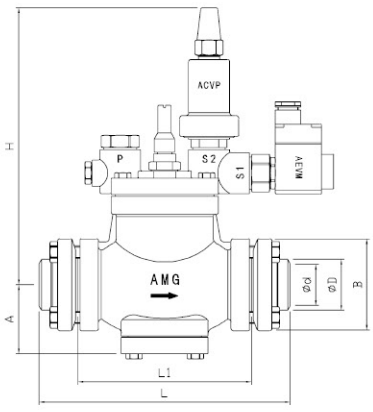
- 当进口压力低于导阀的压力设定值．或电磁导阀线圈失电时．压力调节阀再次关闭

  The pressure regulators dose again，when the inlet pressure decreases below the pressure setting on the pilot，or the coil of solenoid pilot have been de-energized.

应用 Applications

- 压力调节阀RSAS的设计适合于氨和其它的氟利昂制冷剂．用于控制温度．阀的开启或化霜．通过主阀的流体关闭。

  The pressure regulators RSAS are designed to work with ammonia and other fluorinated refrigerants，to control temperature，opening the valve or defrost，dosing the pass of fluid through the main valVe



名称 Name	型号 Type	尺寸(mm) Size(mm)					
		ϕD	ϕd	A	H	L	L1
RSAS 带电磁关闭 压力调节阀 Electromagnetic closure of pressure regulating valve	RSAS 20	27	20	65	250	190	125
	RSAS 25	34	25	65	250	190	125
	RSAS 32	42	32	70	275	245	170
	RSAS 40	48	40	70	275	245	170
	RSAS 50	60	50	70	280	255	180
	RSAS 65	76	65	85	305	295	220
	RSAS 80	89	80	95	325	330	250
	RSAS 100	108	100	125	360	415	330

压力调节阀&电磁关闭阀RSAB系列
Pressure Regulators & Electric Shud-Off RSAB SET

技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

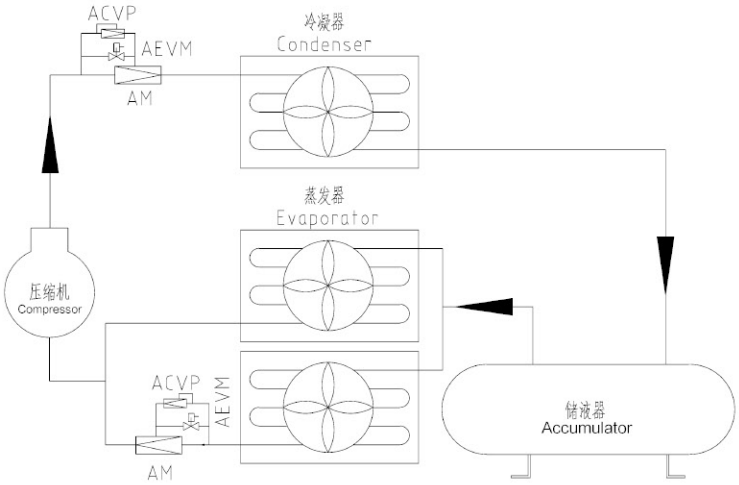
适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.

特点 Characteristics

- RSAB是由一个主阀AM3和一个0~10bar调节导阀ACVP–L组成的标准可选阀RSAB型。另有配4~25bar调节导阀ACVP–H型可选阀RSAB–H型。该阀还配有一个电磁导阀AEVM–NC．当电磁导阀线圈得电时．主阀全开。
  RSAB iS a set make up of one AM3 and one regulation pilot ACVP-L for 0 to 10 bar，as standard option RSAB or with one ACVP-H for 4 to 25 bar，option RSAB-H. and one solenoid pilot AEVM-NC，that when its coll is energized，the main valve is wide open.
- 压力调节阀RSAB系列．可以提供RSAB–L和RSAB–H可选．不同的压力标定在工厂设定
  The pressure regulators RSAB type can be supplied as RSAB-L & RSAB-H options set pressure and sealed in factory

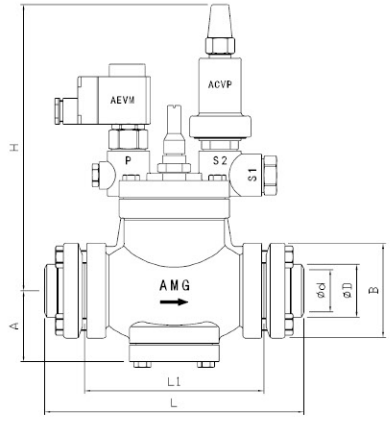
运行原理 Operation

- 同压力调节阀RSA系列一样．压力调节阀RSAB系列控制主阀的进口压力。当压力超过控制导阀的设定压力时．该阀开启。但电磁导阀的线圈得电时.不依赖于主阀进口压力．主阀全开。
  The pressure regulatots RSAB type，control the inlet pressure ofmain valve，as the RSA regulators，opening this one when thepressure exceeds the pressure setting on the control pilot，but if the coil of the solenoid pilot have been energized the main valve will be wide open，with independence of the inlet pressure.
- 当导阀开启．或电磁阀线圈得电．进口流体进入活塞的上部．打开主阀
  When the pilot open，or the solenoid is energized，the inlet fluid pass to the top of piston，opening the main valve.
- 当进口压力低于导阀的压力设定值．或电磁导阀线圈失电时．压力调节阀再次关闭
  The main valves close again，when the inlet pressure decreases below the pressure setting of the pilot，or the coil of solenoid pilot have been de-energized



应用 Applications

- 压力调节阀RSAB的设计适合于氨和其它的氟利昂制冷剂．用于化霜和温度控制．主阀可以全开以取得最大的制冷效果。
  The regulators RSAB are designed to wotk with ammonia and other fluorinated refrigerants，to defrosl and temperature control，with wide open possibility for maximum cooling



名称 Name	型号 Type	尺寸(mm) Size(mm)					
		ϕD	ϕd	A	H	L	L1
RSAB 压力调节& 电磁关闭阀 Pressure regulation & solenoid shutoff valve	RSAB 20	27	20	65	280	190	125
	RSAB 25	34	25	65	280	190	125
	RSAB 32	42	32	70	305	245	170
	RSAB 40	48	40	70	305	245	170
	RSAB 50	60	50	70	310	255	180
	RSAB 65	76	65	85	335	295	220
	RSAB 80	89	80	95	355	330	250
	RSAB 100	108	100	125	390	415	330

压力调节＆气动调节阀RSABEU系列
PRESSURE Regulators & Gas Powered Valves RSABEU SET

技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

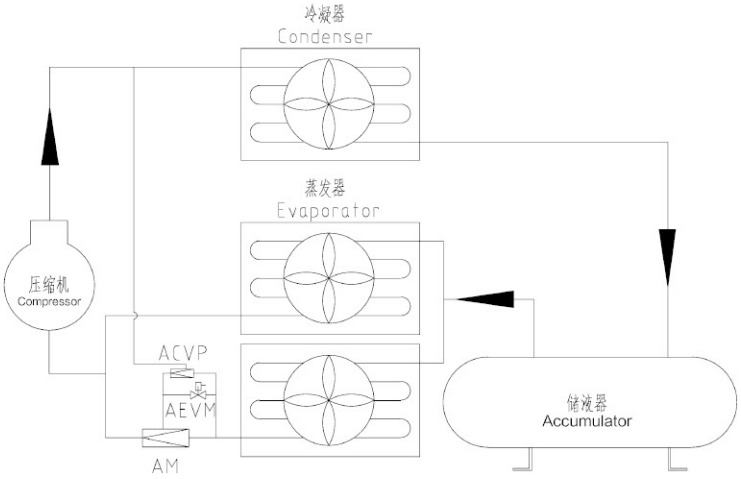
试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.

特点 Characteristics

- RSABEU是由一个主阀AM3和一个0~10bar调节导阀ACVP–L组成的标准可选阀RSAB型。另有配4~25bar调节导阀ACVP–H型可选阀RSABEU–H型。该阀还配有一个通过电磁导阀AEVM–NC连接的外置热气进口。当电磁导阀线圈得电时，不依赖于主阀进口压力，主阀全开
  RSABEU is a set make up of one AM3 and one regulation pilot ACVP-L for 0 to 10 bar, as standard option RSABEU or with one ACVP-H for 4 to 25 bar, option RSABEU-H. and one connection External location as entry of hot gas through a solenoid pilot AEVM-NC, that when its coil is energized, the main valve is wide open, with independence of the inlet pressure.
- 压力调节阀RSABEU系列，可以提供RSABEU– L 和RSABEU–H可选，不同的压力标定在工厂设定
  The pressure regulators RSABEU type can be supplied as RSABEU-L & RSABEU-H options set pressure and sealed in Factory

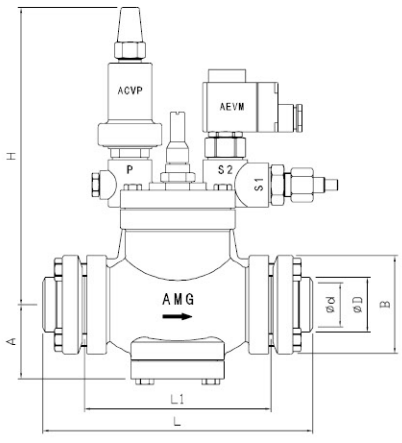
运行原理 Operation



- 同压力调节阀RSA系列一样，压力调节阀RSABEU系列控制主阀的进口压力。当压力超过控制导阀的设定压力时，该阀开启。但电磁导阀的线圈得电时，不依赖于主阀进口压力，主阀全开
  The pressure regulators RSABEU type, control the inlet pressure of main valve, as the RSA regulators opening this one When the pressure exceeds the pressure setting on the control pilot, but if the coil of the solenoid pliot have been energized the main valve will be wide Open, with independence of the inlet pressure.
- 当进口压力低于导阀的压力设定值，或电磁导阀线圈失电时，压力调节阀再次关闭
  The main valves dose again, When the inlet pressure decreases below the pressure setting of the pilot, or the coil of solenoid pilot have been de-enerqized

应用 Applications

- 压力调节阀RSABEU的设计适合于氨和其它的氟利昂制冷剂，用于控制温度，可以低至−40℃及以下蒸发器的蒸发压力。
  The regulators RSABEU are designed to work with ammonia and other fluorinated refrigerants, to control the evaporation pressure at multi evaporators working to-40℃



名称 Name	型号 Type	尺寸(mm) Size(mm)					
		ϕD	ϕd	A	H	L	L1
RSABEU 压力调节& 气动调节阀 Pressure regulator & pneumatic control valve	RSABEU 20	27	20	65	250	190	125
	RSABEU 25	34	25	65	250	190	125
	RSABEU 32	42	32	70	275	245	170
	RSABEU 40	48	40	70	275	245	170
	RSABEU 50	60	50	70	280	255	180
	RSABEU 65	76	65	85	305	295	220
	RSABEU 80	89	80	95	325	330	250
	RSABEU 100	108	100	125	360	415	330

曲轴箱压力调节阀RSAO系列
Crankcase Pressure Regulators RSAO SET

技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.

特点 Characteristics

■ RSAO是由一个AM1和导阀ACVC组成一个基本型号。有几种简单的组合

RSAO，is a set make up of one AM1，and one pilot ACVC as the more simple version

■ 对于使用同一个导阀ACVC相似的应用，有以下几种组合：

- RSAOE 由AM1，ACVC+ 外接气源
- RSAOBE 由AM3，ACVC+ 与电磁导阀连接
- RSAOSE 由AM3，ACVC，经过电磁阀NO或NC，和电磁阀NC热气连接

For similar aplications with the same pilot ACVC is available following variations:

- RSAOE over AM1，ACVC+ External air source
- RSAOBE over AM3，ACVC+ connection with solenoid pilot
- RSAOSE over AM3，ACVC，through one solenoid NO or NC，and hot gas connection with solenoid NC type

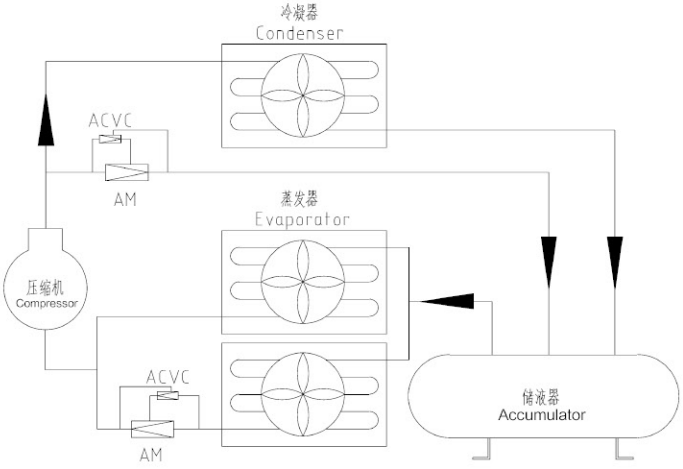
运行原理 Operation

■ 压力调节阀RSAO控制主阀的下游压力。当出口压力低于控制导阀ACVC的设定压力时，该阀开启。对于变型RSAOE，RSAOBE和RSAOSE，如果热气经过活塞的顶部，主阀可以全开，而与出口压力无关。对于最后的一个型号RSAOSE，如果与ACVC一起的电磁阀的线圈得电(NO时)或失电(NC时)，主阀全关闭

The range of pressure regulators RSAO type，control the downstream pressure of main valve，opening this one when the outlet pressure falls below the set point of the ACVC With the variations RSAOE，RSAOBE y RSAOSE，is possible to wide open the main valve with independence of the outlet pressur if hot gas pass to the top of piston，and the last option RSAOSE，can be totally closed if the coil of the solenoid coupled to ACVC is energized(NO)or de-nergized(NC)

■ 当进口压力高于导阀ACVC的压力设定值，压力调节阀再次关闭

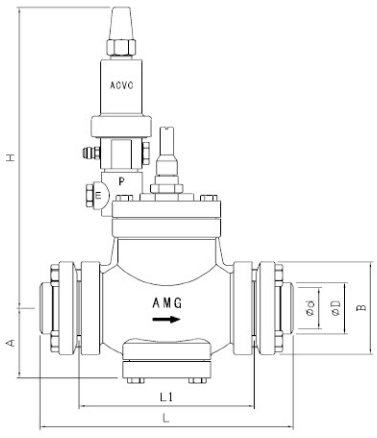
The main valves close again，when the inlet pressure rises over the set point of the pilot ACVC



应用 Applications

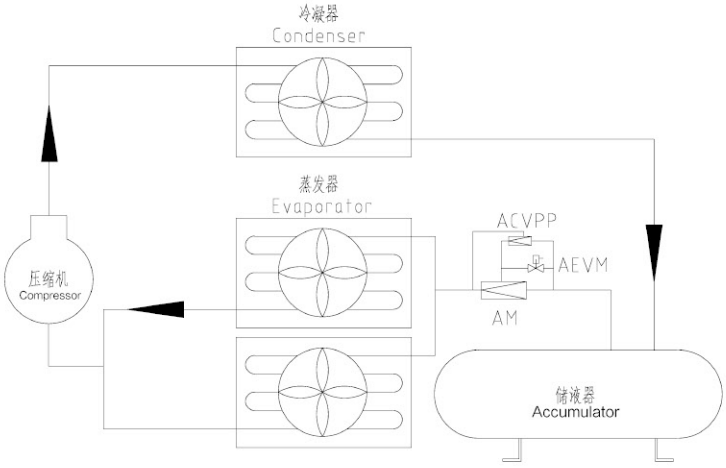
■ 压力调节阀RSAO的设计适合于氨和其它的氟利昂制冷剂，用于避免下游压力低于预定的设定值，来控制冷凝压力，或是作为启动阀，或是作为曲轴箱压力调节阀控制吸气压力。

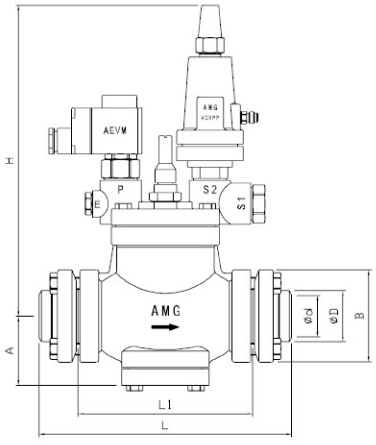
The regulators RSAO are designed to work with ammonia and other fluorinated refrigerants，working to avoid the pressure downstream falls bellow the set point fixed，to control of condensation pressure or as starting valve or crankcase regulator to control the suction pressure.



名称 Name	型号 Type	尺寸(mm) Size(mm)					
		ϕD	ϕd	A	H	L	L1
RSAO 曲轴箱压力调节阀 Crankcase pressure regulating valve	RSAO 20	27	20	65	270	190	125
	RSAO 25	34	25	65	270	190	125
	RSAO 32	42	32	70	295	245	170
	RSAO 40	48	40	70	295	245	170
	RSAO 50	60	50	70	300	255	180
	RSAO 65	76	65	85	325	295	220
	RSAO 80	89	80	95	345	330	250
	RSAO 100	108	100	125	380	415	330

压差调节阀&电磁关闭RSABL系列
Differential Pressure Regulators & Electric Shut-Off RSABL SET





技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.

特点 Characteristics

- RSABL是由一个主阀AM3，一个压差导阀ACVPP和一个电磁导阀AEVM–NC组成
  RSABL is a set make up of one AM3 and one differential regulation pilot ACVPP and one solenoid pilot AEVM—NC.
- 可以供应RSABLE压差压力调节阀，此阀的电磁导阀与外置热气注入相连，以使主阀全开
  It can supply rsable differential pressure regulating valve, its solenoid valve and external hot gas Injection connection to make the main valve fully open.

运行原理 Operation

- 压力调节阀RSABL，用于保持主阀进出口压差。而且可以实现压力调节，也就是说，该阀会根据进出口压差和与定值相比的大小而开启和关闭
  The pressure regulators RSABL type, maintain the differential pressure between inlet and outlet of the main valve, modulating, is to say, opening and closing the valve, if this difference inlet and outlet pressure, rise or fall with regard to the set poInt.
- 当电磁导阀得电时，进口流体进入活塞的顶部，不依赖于主阀进出口压力差，主阀打开
  When the solenoid pilot is energized, the inlet fluid pass to the top of piston, opening the main valve, with independence of the differential pressure between inlet/outlet
- 当进出口压差低于导阀ACVPP的压力设定值，或电磁导阀线圈失电时，主阀再次关闭
  The main valves close again, When the differential pressure inlet/outlet decreases below the pressure setting of the ACVPP, or the coil of solenoid pilot have been de-energized

应用 Applications

- 压力调节阀RSABL的设计适合于氨和其它的氟利昂制冷剂，用于电磁导阀得电时的化霜，保持系统管路中二点的压差，避免冷凝液体和热气的倒流。
  The regulators RSABLare designed to work with ammonia and other fluorinated refrigerants, to defrost with the solenoid pilot enrgized, and to maintain a differential of pressure between two points of the line, to avoid for ex. the backward step of condensed and hot gas.

名称 Name	型号 Type	尺寸(mm) Size(mm)					
		ϕD	ϕd	A	H	L	L1
RSABL 压差调节阀& 电磁关闭阀 Differential pressure regulating & solenoid shut-off valve	RSABL 20	27	20	65	280	190	125
	RSABL 25	34	25	65	280	190	125
	RSABL 32	42	32	70	305	245	170
	RSABL 40	48	40	70	305	245	170
	RSABL 50	60	50	70	310	255	180
	RSABL 65	76	65	85	335	295	220
	RSABL 80	89	80	95	355	330	250
	RSABL 100	108	100	125	390	415	330

双级压力调节阀RSAD系列
Pressure Regulators RSAD SET

技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.

特点 Characteristics

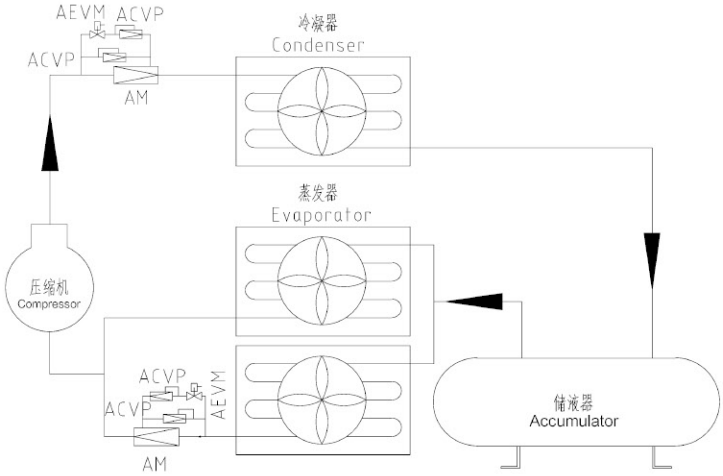
- RSAD是由一个主阀AM3和二个0～10bar调节导阀ACVP–L组成的标准可选阀RSAD型.或另有配置二个4～25bar调节导阀ACVP–H的可选阀RSAD–H型. 或者是一个导阀ACVP–L和另一个导阀ACVP–H的可选阀RSAD–LH型。导阀必须设定不同的压力值. 在设定值以下的导阀可以根据订单选定的电磁导阀AEVM–NC或AEVM–NO来控制

  RSAD is a set make up of one AM3 and two regulation pilots ACVP-L for 0 to 10 bar, as standard option RSAD or with two ACVP-H for 4 to 25 bar, option RSAD-H. or finally with one solenoid pilot ACVP-L and other ACVP-H, version RSAD-LH.The pilots must be set to different pressures, and the pilot with below set pressure wiil be control with a solenoid pilot AEVM-NC or AEVM-NO by Order.

- 压力调节阀RSAD也可以提供变型RSADk.其可选压力可在工厂标定

  The pressure regulators RSAD type can be supplied as RSADK options set pressure and sealed in factory

运行原理 Operation



- 同二个有不同设定压力的压力调节阀RSA阀一样. 压力调节阀RSAD阀控制主阀的进口压力。当进口压力超过控制导阀的设定压力时. 而且电磁导阀的线圈(AEVM–NC)得电或(AEVM–NO可选)线圈失电时. 该阀开启。

  The pressure regulators RSAD type, control the inlet pressure of the main valve, as two RSA regulators with two differents set pressure everyone, opening this one when the inlet pressure exceeds the pressure setting on the control pilot with lower set pressure, if the coil of the solenoid pilot have been energized (AEVM-NC)or de-energized(AEVM—NO optiorl).

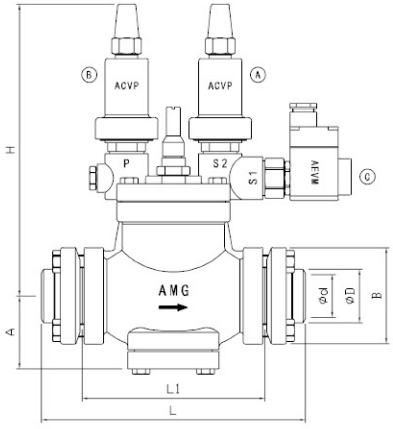
- 当导阀处在开启位置时. 进口流体进入活塞的顶部. 主阀打开。

  When the pilot in function open, the inet fluid pass to the top of piston, opening the main valVe.

应用 Applications

- 压力调节阀RSAD的设计适合于氨和其它的氟利昂制冷剂. 用于控制化霜压力导阀(B).控制冷凝压力导阀(A).或是控制蒸发压力. 根据导阀的状态. 有二种控制可能性。

  The regulators RSAD are designed to work with ammonia and other fluorinated refrigerants, to control of the defrost pressure pilot(B), control of condensation pressure, pilot(A), or control of evaporation pressure, with two possibilities acording to the pilot in service



名称 Name	型号 Type	尺寸(mm) Size(mm)					
		ϕD	ϕd	A	H	L	L1
RSAD 双级压力调节阀 Two-stage pressure regulating valve	RSAD 20	27	20	65	250	190	125
	RSAD 25	34	25	65	250	190	125
	RSAD 32	42	32	70	275	245	170
	RSAD 40	48	40	70	275	245	170
	RSAD 50	60	50	70	280	255	180
	RSAD 65	76	65	85	305	295	220
	RSAD 80	89	80	95	325	330	250
	RSAD 100	108	100	125	360	415	330

压力调节阀＆气动阀RSABSEU系列
Pressure Regulators & Gas Powered Valves RSABSEU SET

技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.

特点 Characteristics

■ RSABSEU是由一个主阀AM3和二个导阀组成：

1．一个0～10bar调节导阀ACVP–L组成的标准可选阀RSABSEU型，或一个4～25bar调节导阀ACVP–H组成的可选阀RSABSEU–H型。以上两种阀还配有一个电磁导阀AEVM–NC或AEVM–NO类型，当线圈得电时，使调节导阀处于工作或不工作状态。此类压力调节阀也可以提供变型RSABSEU–K和RSABSEU–KH，其可选压力可在工厂设定。

2．一个外置接口由电磁导阀AEVM–NC控制，提供外置的热气

RSABSEU is a set make up of one AM3 and two pilot sets 1-one regulation pilot ACVP-L for 0 to 10 bar, as standard option RSA8SEU, or with one ACVP-H for 4 to 25 bar, option RSABSEU-H, and with both options one solenoid pilot AEVM-NC or NO, that allow to work or not the regulator pilot when its coil is energized. The pressure regulators can be supplied as RSABSEU—K & RSABSEU-KH options, set pressure and sealed in factory

2. An external interface is controlled by the electromagnetic pilot valve aevm-nc to provide external hot gas.

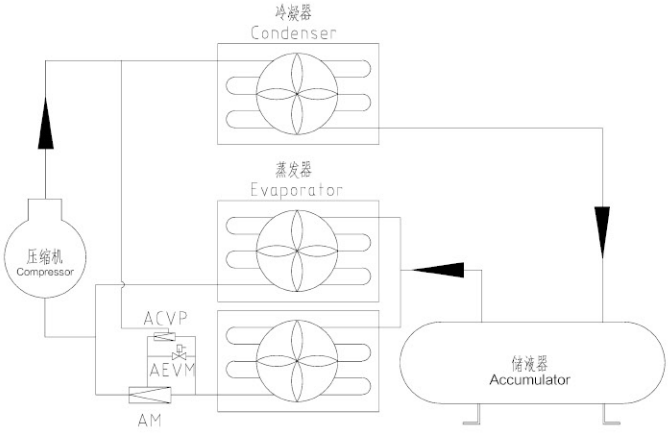
运行原理 Operation

■ 压力调节阀RSABSEU阀控制主阀的进口压力。当进口压力超过控制导阀的设定压力时，该阀打开。如果电磁导阀（C）是NO类型，只可能给调节导阀一种信号，打开电磁阀（B）使得热气允许进入活塞顶部，不依赖于进口压力，主阀打开

The pressure regulators RSABSEU type, control the inlet pressure of main valve, opening this one When the pressure exceeds the pressure setting this on the control pilot. If the solenoid pilot(C)is NO type, with only one signal iposssible to take out the regulation pilot and open the solenoid (B) to allow the pass of hot gas, to the top of piston, opening the main valve. with independence of the inlet pressure.

■ 当进口压力低于导阀的压力设定值，或电磁导阀线圈得电或失电时，压力调节主阀再次关闭。

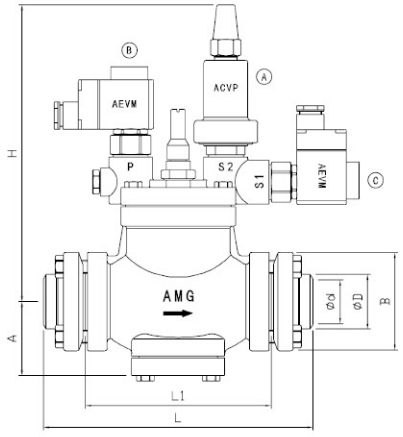
The main vales close again, wher the inlet pressure decreases below the pressure setting of the pilot, or the coil of solenoid pilot have been energized/de-energlized.



应用 Applications

■ 压力调节阀RSABSEU的设计适合于氨和其它的氟利昂制冷剂，用于化霜和温度控制，主阀可以全开以取得最大制冷效果。

The regulators RSABSEU are dessingned to work with ammonia and other fluorinated refrigerants, to defrost and temperature controt, with wide open possibility for maximum cooling.



名称 Name	型号 Type	尺寸(mm) Size(mm)					
		ϕD	ϕd	A	H	L	L1
RSABSEU 压力调节& 气动调节阀 Pressure regulator & pneumatic control valve	RSABSEU 20	27	20	65	250	190	125
	RSABSEU 25	34	25	65	250	190	125
	RSABSEU 32	42	32	70	275	245	170
	RSABSEU 40	48	40	70	275	245	170
	RSABSEU 50	60	50	70	280	255	180
	RSABSEU 65	76	65	85	305	295	220
	RSABSEU 80	89	80	95	325	330	250
	RSABSEU 100	108	100	125	360	415	330

气动截止阀常闭型RACK系列
Gas Powered Stop Valves,Normally Closed Type RACK SET

技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.

特点 Characteristics

- RACK是一个常闭但气动打开的先导阀。来自经过外置接口组件和AEVM–NC或NO电磁导阀的外置高压管的制冷气体，作用于活塞，从而控制气动调节阀。该电磁导阀安装在气动阀阀帽上

  RACK are servo-operated valves normally closed and pneumaic open by means of refrigerant gas of high pressure acting upon power piston，taken from external high pressure line through the nipple set External interface，AEVM-NC or NO fitted both on the valve bonnet.

- 气动阀RACK的设计适合于氨和其它的氟利昂制冷剂，用于液泵循环和直接蒸发系统的低温回汽管，热气融霜和常闭阀需要短时期自动打开的应用场合

  RACK valves are designed to use with ammonia and other common fluorinated refrigerants，for use in suction lines of low temperature in direct expansion or pump recirculation，defrost systems with hot gas and any application that need a valve normally closed with automatic opening for not long.

- 气动阀RACK可以在压差△P=0时正常运行，气动阀必须水平安装，气动阀的活塞和导阀必须垂直方向工作

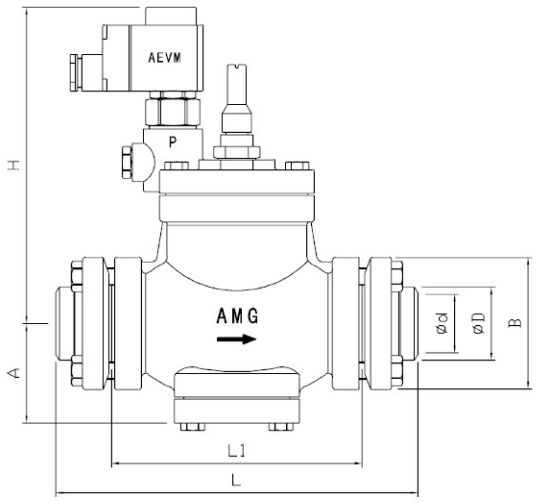
  RACK valves can operate with △p=0 and they must be instalted inhorizontal position，with the piston and pilot working in vertical way.

- 在阀关闭时，在活塞的周围有从一个小孔泄露的气体，但这只是使得在高压气体流关闭时此气动阀还可以关闭

  When the valve are closing.there is a bleed of gas through a small bore，but only to close close the valve when the hot gas stream is finished.

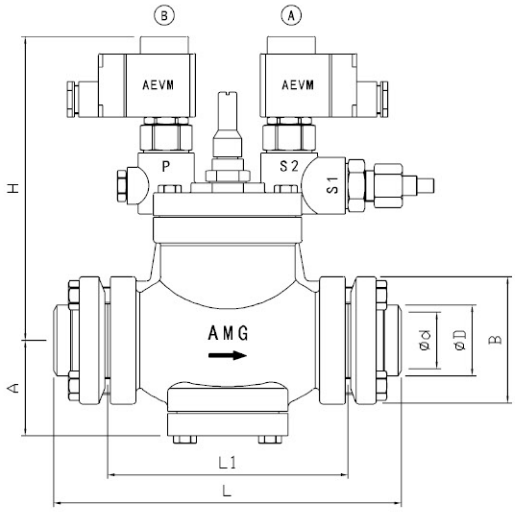
- 高压气体的位置连接，必须是1／4"管在外置接口进行SW焊接。

  The external ine to supply of high pressure gas must be External interface 1/4"，to weld SW on ACPE connection.



名称 Name	型号 Type	尺寸(mm) Size(mm)								kv	Cv
		DN		ϕD	ϕd	A	H	L	L1		
RACK 常闭型气动截止阀 Normally closed pneumatic stop valve	RACK 25	1″	25	34	25	65	190	190	125	9	10.5
	RACK 32	1¼″	32	42	32	70	215	245	170	16	19
	RACK 40	1½″	40	48	40	70	215	245	170	30	35
	RACK 50	2″	50	60	50	70	220	255	180	40	47
	RACK 65	2½″	65	76	65	85	245	295	220	75	88
	RACK 80	3″	80	89	80	95	265	330	250	140	164
	RACK 100	4″	100	108	100	125	300	415	330	200	234

融霜电磁阀AML系列
Defrosting solenoid valve AML SET



技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.

特点 Characteristics

- AML是一个常闭但气动打开的先导阀。来自于外置高压管的制冷气体，作用于活塞，从而打开电磁主阀
  AML are servo-operated valves normally closed and pneumatic opening by means of refrigerant gas from external high pressure line. This opens the main solenoid valve.

- 在阀盖上，安装有一个外置接口，与高压气体连接的螺母 和接口，和根据以下可选要求的二个AEVM导阀
  a–AML–NC/NO型，带一个在A位置的AEVM–NC(常闭导阀)和在B位置的AEVM–NO（常开导阀）
  b–AML–NC/NO型，带一个在A位置的AEVM–NC(常闭导阀)和在B位置的AEVM–NC（常闭导阀）
  On the bonnet are fitted one External interface, nut & nipple connection to gas inlet, and two solenoid pilots AEVM type according to these two options:
  a-AML-NC/NO, with one AEVM-NC, (normally closed pilot) on A, and one AEVM-NO, (normally open pilot)on B
  b-AML-NC/NO, with one AEVM-NC, (normally closed pilot) on A, and one AEVM-NC, on B.

- 电磁导阀A关闭和打开进入活塞顶部腔室的气体，从而关闭或打开主阀。但是电磁导阀B必须打开，在电磁导阀A关闭的情况下，使得该腔室的气体泄漏，从而允许主阀可以再一次关闭
  The solenoid A shut-off and opening the flow of gas to the top piston camera, to close or open the main valve, but the solenoid B has to be opened to relieve this gas of the camera to allow closed again the main valve when the pilot A is closed

- 电磁主阀AML的设计适用于氨和其它常用的氟利昂制冷剂，用于回汽管以及常闭阀需要短时期自动打开的，以及有很小的进出口压差或者甚至于△P=0的使用场合
  AML valves are designed to use with ammonia and other common fluorinated refrigerantS, for use in suction lines or any application that need a valve normally closed with automatic opening for brief periods,and with a minimum differential pressure between inlet-outlet or inclusively with △p=0.

- 在电磁主阀打开时，在活塞周围没有气体。只是在电磁导阀A关闭作用于活塞的气体，而且电磁导阀B打开允许主阀再一次关闭时，此腔内的气体泄流进上游。
  While the valves are opened, there is not a bleed of gas around the piston, and only when the solenoid A Shut off the flow of gas upon power piston, and the solenoid B is open to allow close again the main valve, the gas of this camera is relieved upstream

名称 Name	型号 Type	尺寸(mm) Size(mm)								kv	Cv
		DN		ϕD	ϕd	A	H	L	L1		
AML 融霜电磁阀 Defrosting solenoid valve	AML 25	1″	25	34	25	65	190	190	125	9	10.5
	AML 32	1¼″	32	42	32	70	215	245	170	16	19
	AML 40	1½″	40	48	40	70	215	245	170	30	35
	AML 50	2″	50	60	50	70	220	255	180	40	47
	AML 65	2½″	65	76	65	85	245	295	220	75	88
	AML 80	3″	80	89	80	95	265	330	250	140	164
	AML 100	4″	100	108	100	125	300	415	330	200	234

两步开启融霜电磁阀AMLX系列
Two step opening defrosting solenoid valve AMLX series

技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.

特点 Characteristics

- AMLX是一个两步式常闭但气动打开的先导阀。来自于外置高压管的制冷气体，作用于活塞，从而控制气动调节阀。两步气动阀开启原理如下
  1．第一步：当导阀线圈得电时，该阀只开启全部的10%
  2．第二步：当该阀的进出口压差达到1～1.5bar时，该阀自动100%全开

  AMLX are two steps servo-operated valves normally closed and pneumatic opening by means of hot gas form external acting upon power piston， the two steps of opening are following.
  1-Step one the valve opens approxl 10% of the total when the coils of the pilots are powered
  2-Step two the valve opens automatically 100% when the differential pressure across the valve reaches 1-1.5 bar

- 象AML阀一样，在AMLX的阀盖上安装有一个外置接口，与高压气体连接的螺母和接口，和二个AEVM电磁导阀，一个是A位置的AEVM–NC（常闭导阀），另一个是在B位置的AEVM–NO（常开导阀）

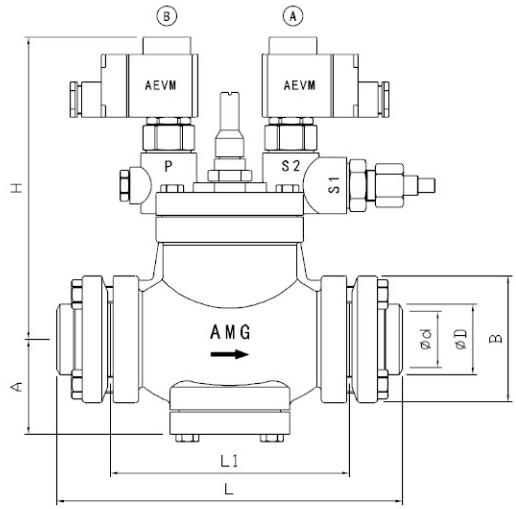
  As the AML valves On the bonnet of the AMLX are fitted one External interface， nut & nipple connection to gas inlet， and two solenoid pilot AEVM type， one AEVM-NC， (nomally closed pilot) on A， and one AEVM-NO， (normally open pilot)on B

- 电磁导阀A关闭和打开进入活塞顶部腔室的气体，从而关闭或打开主阀。但是电磁导阀B必须打开，在电磁导阀A关闭的情况下，使得该腔室的气体泄漏，从而允许主阀可以再一次关闭

  The solenoid A shut-off and opening the flow of gas to the top piston camera， to close or open the main valve， but the solenoid B has to be opened to relieve this gas of the Camera to allow closed again the main valve when the pilot A is closed

- 电磁主阀AMLX的设计适用于氨和其它常用的氟利昂制冷剂，用于有很大压差的回汽管中的阀的开启，以及外置管压力等于或小于进口压力时仍需要该阀自动关闭的场合。

  AMLX valves are designed to use with ammonia and other common fluorinated refrigerants， for use in suction lines opening against very high differential pressure and for any application that need automatical shut-off valve to working with a external line pressure equal or less than inlet pressure of the valve



名称 Name	型号 Type	尺寸(mm) Size(mm) DN		ϕD	ϕd	A	H	L	L1	kv	Cv
AMLX两步开启融霜电磁阀 Two step opening defrosting solenoid valve	AMLX 25	1″	25	34	25	65	190	190	125	9	10.5
	AMLX 32	1¼″	32	42	32	70	215	245	170	16	19
	AMLX 40	1½″	40	48	40	70	215	245	170	30	35
	AMLX 50	2″	50	60	50	70	220	255	180	40	47
	AMLX 65	2½″	65	76	65	85	245	295	220	75	88
	AMLX 80	3″	80	89	80	95	265	330	250	140	164
	AMLX 100	4″	100	108	100	125	300	415	330	200	234

气动截止阀RAK系列
Gas Powered Stop Valves RAK SET

技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine,propane, etc.

特点 Characteristics

- RAK是一个常开但气动关闭的先导阀。来自经过另外可订购的VMP10系列电磁阀的外置高压管的制冷气体，作用于活塞，从而控制气动调节阀

  RAK are servo-operated valves normally open and pneumatic closed, by means of refrigerant gas acting upon power piston, taken from external high pressure line through a solenoid valve VMP10 type, available by order.

- 气动阀RAK设计适合于氨和其它常用的氟利昂制冷剂，用于回汽管以及常开阀需要短时期自动关闭的应用场合

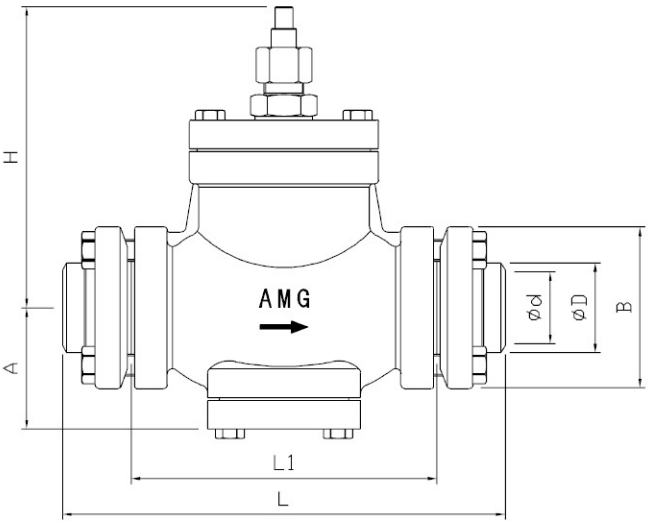
  RAK valves are designed to use with ammonia and other common fluorinated refrigerants, for use in suction lines or any application that need a valve normally open with automatic closing for brief periods.

- 气动阀RAK可以在△p=0以及任何位置上正常运行。但在阀关闭或打开时，在活塞的周围有少量的泄漏气体，使得高压气体流关闭时此气动阀还可以开启。

  VAK valves can operate with △p=0 and in any position, but when the valve are closed or opening, there is a bleed of gas around the piston to allow open the valve when the high pressure gas stream is closed.

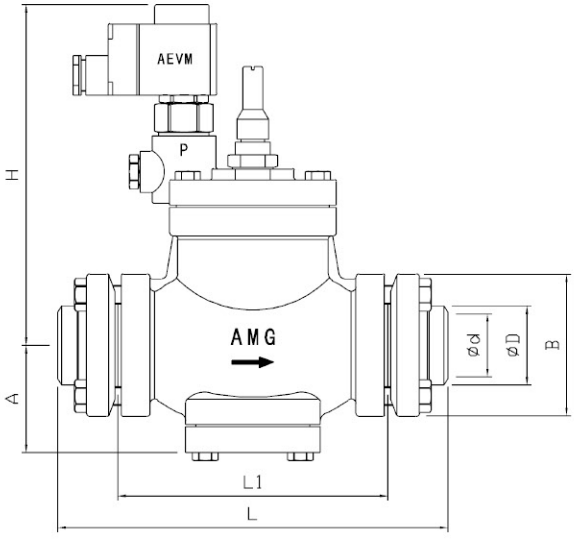
- RAK与电磁阀的连接是通过阀帽上的螺母和接口相连，可以是DN1/4″或3/8″的铜管/钢管通过钎焊或焊接与阀接口连接

  Solenoid valve connection to RAK valve is through nut & nipple union on the bonnet, and cooper or steel pipe DN 1/4" or 3/8" brazed or welded to nipple.



名称 Name	型号 Type	尺寸(mm) Size(mm)								kv	Cv
		DN		ϕD	ϕd	A	H	L	L1		
RAK 气动截止阀 Pneumatic stop valve	RAK 25	1″	25	34	25	65	145	190	125	9	10.5
	RAK 32	1¼″	32	42	32	70	170	245	170	16	19
	RAK 40	1½″	40	48	40	70	170	245	170	30	35
	RAK 50	2″	50	60	50	70	175	255	180	40	47
	RAK 65	2½″	65	76	65	85	200	295	220	75	88
	RAK 80	3″	80	89	80	95	220	330	250	140	164
	RAK 100	4″	100	108	100	125	255	415	330	200	234

气动截止阀RAK-W系列
Gas Powered Stop Valves Type RAK-W SET



技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.

特点 Characteristics

- RAK−W是一个常开但气动关闭的先导阀。来自经过AEVM电磁导阀的外置高压管的制冷气体，作用于活塞，从而控制气动调节阀。该电磁导阀安装在气动阀阀盖接口上

  RAK-W are servo-operated valves normally open and pneumatic closed, by means of refrigerant gas acting upon power piston, taken from external high pressure line through a solenoid pilot AEVM type, mounted on the bonnet

- 气动阀RAK−W设计适合于氨和其它常用的氟利昂制冷剂，用于回汽管以及常开阀需要短时期自动关闭的应用场合

  RAK-W valves are designed to use with ammonia and other common fluorinated refrigerants, for use in suction lines or any application that need a valve normally open with automatic closing for brief periods.

- 气动阀RAK可以在△p=0以及任何位置上正常运行。但在阀关闭或打开时，在活塞的周围有少量的泄漏气体，此小孔使得高压气体流关闭时此气动阀还可以开启。然而如果在活塞周围此泄漏气体不能出现，或者你需要一个没有泄漏孔的阀，你必须选用我们提供的RACK系列常闭阀或者是另外一种可选RAK−2WS系列。但对于后者，你需要另外订购二个电磁导阀，一个导阀用以关闭热气流入进口，另一个导阀用于去除活塞周围的气体，避免气动阀的再一次打开

  RAK-W valves can operate with △p=0 and in any position, but when the valve are closed or opening, there is a bleed of gas around the piston and a small bore to allow open the valve when the high pressure gas stream is closed. Nevertheless, if this small bleed cannot occurs and you need a valve without bleed around the piston, you must use our
  RACK normally closed valve, or the option RAK-2WS type, but with this last type you need to include two solenoid pilots, one to shut of the hot gas inlet flow, and the second one to empty the camera over the piston, and to avoid open again the valve.

- 电磁导阀的热气进口，通过钎焊或焊接与气动阀上的螺母和接口(3/8″)组件连接

  The inlet of hot gas to solenoid pilot is through a nut & nipple connection of 3/8' brazed or welded to nipple.

名称 Name	型号 Type	尺寸(mm) Size(mm)								kv	Cv
		DN		ϕD	ϕd	A	H	L	L1		
RAK-W 气动截止阀 Pneumatic stop valve	RAK-W 25	1″	25	34	25	65	190	190	125	9	10.5
	RAK-W 32	1¼″	32	42	32	70	215	245	170	16	19
	RAK-W 40	1½″	40	48	40	70	215	245	170	30	35
	RAK-W 50	2″	50	60	50	70	220	255	180	40	47
	RAK-W 65	2½″	65	76	65	85	245	295	220	75	88
	RAK-W 80	3″	80	89	80	95	265	330	250	140	164
	RAK-W 100	4″	100	108	100	125	300	415	330	200	234

紧急切断阀QDJ421F28-W系列
Emergency shut-off valve QDJ421F28-W series

技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine,propane, etc.

特点 Characteristics

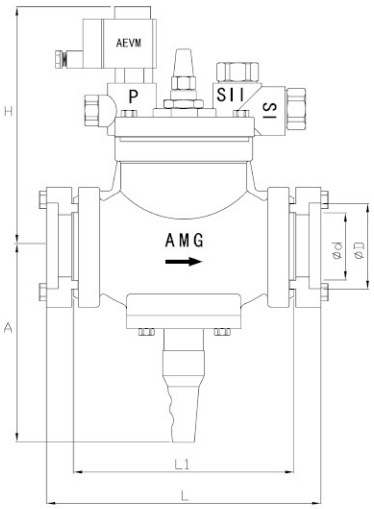
- QDJ421F28–W是有一个主阀AM3和一个电磁导阀AEVM(NC)做成的单步开启型紧急切断阀。
- 带有手动关闭和手动开启功能。

运行原理 Operation

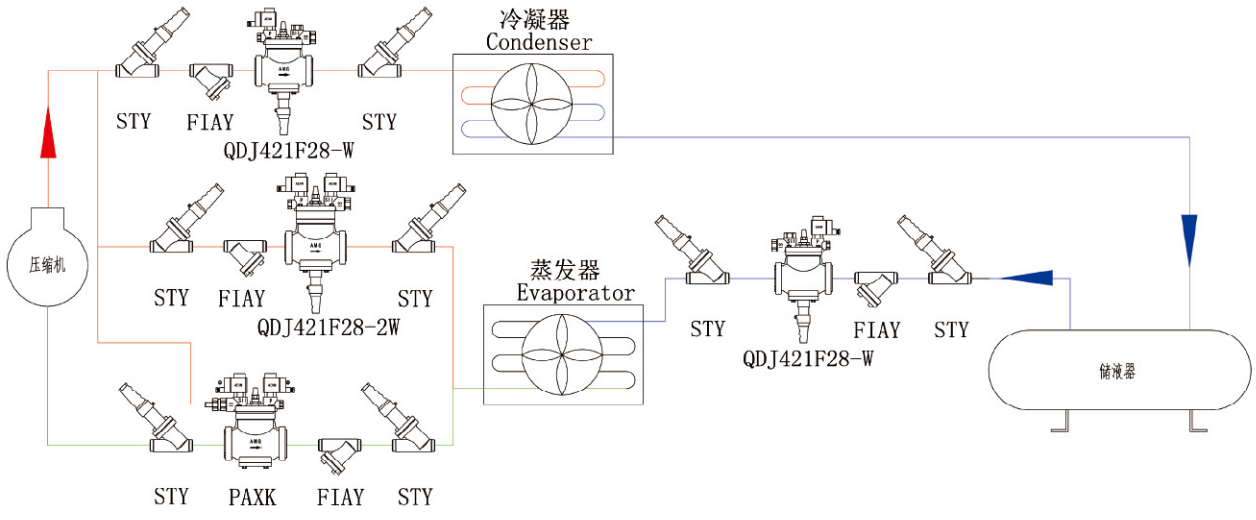
- 入口介质从内部通道进入电磁阀内，电磁阀线圈得电后，介质进入上活塞顶部，推动活塞向下移动，阀门开启。
- 当遇到紧急情况时，切断电磁阀线圈电源关闭导阀，活塞在弹簧力的作用下向上移动至阀门关闭，快速切断管道内部介质流通。

应用 Applications

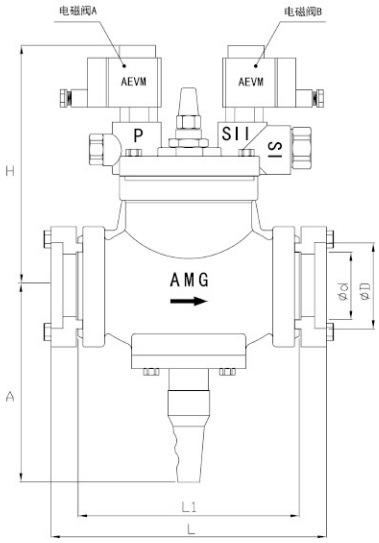
- 主要应用于热气融霜的热气管路和压缩机排气管路中。由PLC或远程遥控操作来控制电磁阀线圈的电源，使主阀关闭。从而能够快速切断管路中的介质流通。起到紧急情况下的安全保护。



名称 Name	型号 Type	尺寸(mm) Size(mm)					
		ϕD	ϕd	A	H	L	L1
QDJ421F28-W	QDJ421F28-W-32	60	50	318	308	255	180
	QDJ421F28-W-40	60	50	318	308	255	180
	QDJ421F28-W-50	60	50	318	308	255	180
	QDJ421F28-W-65	76	65	333	328	295	220
	QDJ421F28-W-80	89	80	383	351	330	250
	QDJ421F28-W-100	108	100	413	382	415	330



两步开启紧急切断阀QDJ421F28-2W系列
Two step open emergency shut-off valve QDJ421F28-2W series



技术参数 Technical parameters

公称压力：2.8MPa
Nominal pressure: 2.8MPa

适用温度：−50℃~ +120℃
Applicable temperature: −50℃ ~ +120℃

试验压力：4.2MPa
Test pressure: 4.2MPa

适用介质：氨、氟、丙烷等。
Applicable medium: ammonia, fluorine, propane, etc.

特点 Characteristics

- QDJ421F28−2W是有一个主阀AM3+活塞组件和二个电磁导阀AEVM(NC)做成的两步开启型紧急切断阀。
- 带有手动关闭和手动开启功能。

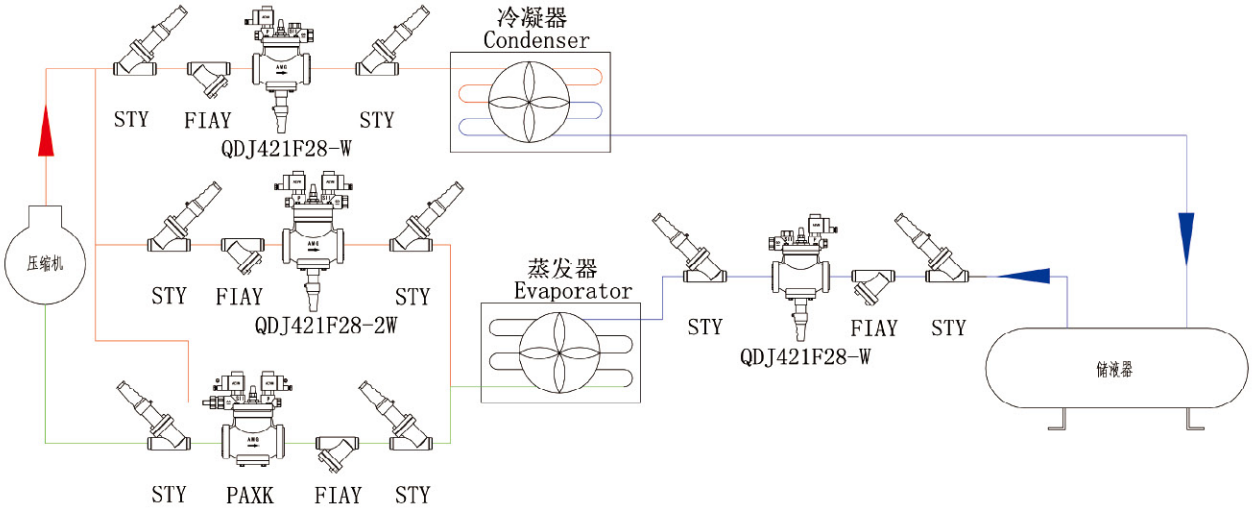
运行原理 Operation

- 先打开A电磁导阀，介质进入上活塞顶部，推动活塞并带动下活塞向下移动，阀门开启10%左右（在高压液管路中起到缓冲平衡内部压力，防止阀门开启时液体在阀体内部产生液击和降低开启时管路的瞬间震动）。
- B电磁导阀延时开启后，介质进入下活塞顶部，继续推动下活塞向下移动至阀门全开。当遇到紧急情况时，同时切断 A B电磁导阀电源，活塞在弹簧力的作用下，下活塞向上移动至上活塞下部，并带动上活塞向上移动至阀门关闭。

应用 Applications

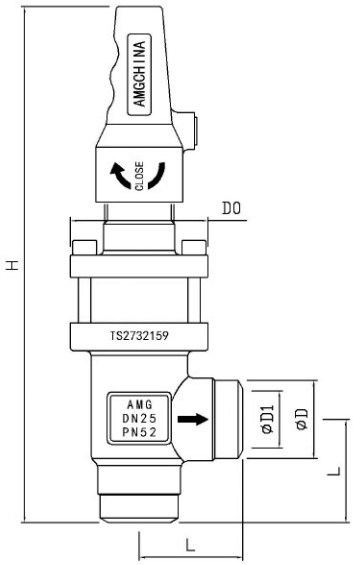
- 主要应用于高压储液罐出口管路，由PLC或远程遥控操作来控制电磁导阀线圈的电源来关闭主阀，从而能够快速切断管路中的介质流通。起到紧急情况下的安全保护。

名称 Name	型号 Type	尺寸(mm) Size(mm)					
		ϕD	ϕd	A	H	L	L1
QDJ421F28-W	QDJ421F28-W-32	60	50	318	308	255	180
	QDJ421F28-W-40	60	50	318	308	255	180
	QDJ421F28-W-50	60	50	318	308	255	180
	QDJ421F28-W-65	76	65	333	328	295	220
	QDJ421F28-W-80	89	80	383	351	330	250
	QDJ421F28-W-100	108	100	413	382	415	330



技术参数 Technical parameters

适用介质：适用于所有通用型制冷剂及非腐蚀性气体和液体包括氨(R717)、氟、二氧化碳及丙烷、丙烯等，但需考虑密封材料的兼容性。
适用温度：−50℃～+150℃
最大工作压力：52bar(754 psig)



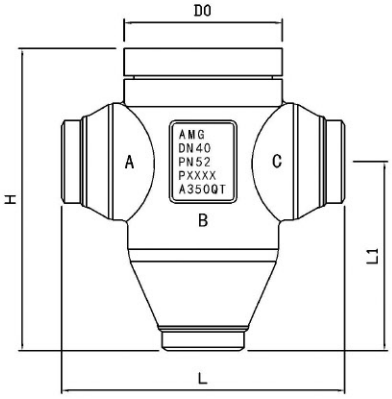
特点 Characteristics

FOV溢流阀是一种专为防止因低流速或低密度引起的系统震荡而设计的一种阀。这样可应用于制冷量变化很大的场合，在化霜时能控制压力，在达到设定值时开启阀门，顺时针调节阀杆可以手动调节弹簧的压力，可以调节阀杆使阀关闭直至弹簧被挡住。

FOV为一种开启压力可以调节的直角形溢流阀,具有三种使用功能:溢流阀，单向阀，截止阀。
阀门能够手动关闭。具有倒密封功能，可以在带压情况下更换阀杆密封部件。高精度的O型圈确保了完美的密封性能。
设定压力是阀开始打开时的压力,可以在2～8bar压差范围内调整。

名称 Name	型号 Type	尺寸(mm) Size(mm)				
		ϕ D	ϕ D1	L	D0	H
FOV 溢流阀 Relief valve	FOV 20-D	27	20	45	□ 60	225
	FOV 25-D	32	25	45	□ 60	225
	FOV 32-D	38	32	55	□ 70	295
	FOV 40-D	45	40	55	□ 70	295

油温调节阀ROV系列
Temperature regulating valve ROV series



技术参数 Technical parameters

最小操作温度：≥−10°C
持续工作温度：≤+85°C
短时间操作温度：≤+120°C
最高工作压力：52 bar
油：
适用于各种通用型冷冻油。
制冷剂：
适用于所有的通用型制冷剂及非腐蚀性气体和液体包括氨(R717)、氟、二氧化碳及丙烷、丙烯等，但需考虑密封材料的兼容性。
如需更多信息请和AMG公司联系。

特点 Characteristics

- 最优化的流体设计。
- 精锻外壳结构牢固。
- 抗震动和冲击能力强。
- 不锈钢恒温控制元件。
- 无需手动调节装置。
- 容易维护，拆装方便。
- 可提供对接焊和插入焊两种焊接接口。

ROV油温调节阀是一个恒定温度的三通阀，通过对螺杆机组或离心机组润滑油系统中热油和冷油进行混合达到维持压缩机的油温处于稳定的温度。该阀还可以用于其他的油和水介质的冷却系统。ROV油温调节阀具有较少的组成部件及延长的圆柱型接口，确保安装和维护工作很容易。

阀体有三个接口，呈“T”字形，分别有三个字母表明了每一接口的介质流动情况：

B−高油温进口　　C－低油温进口　　A－朝向压缩机的出口

内置标准的恒温控制元件用于名义温度49°C，但我们也可以根据订单要求，提供其它二种名义温度：温度54°C和60°C

名称 Name	型号 Type	尺寸(mm) Size(mm)					
		ϕ D	ϕ D1	L	D0	L1	H
ROV 油温调节阀 Oil temperature control valve	ROV 25-D	32	25	165	□ 95	110	175
	ROV 32-D	38	32	165	□ 95	110	175
	ROV 40-D	45	39	196	□ 105	138	210
	ROV 50-D	57	50	196	□ 105	138	210
	ROV 65-D	76	65	250	□ 135	155	250
	ROV 80-D	89	80	250	□ 135	155	250

RVY15-80-D锻钢直通截止阀
RVY15-80-D Forged steel straight-through stop valve

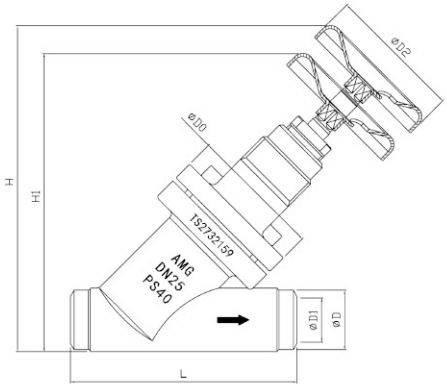
技术参数 Technical parameters

公称压力：4.0MPa
Nominal pressure: 4.0MPa

试验压力：6.0MPa
Test pressure: 6.0MPa

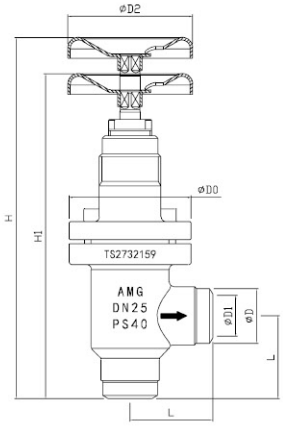
适用温度：−50℃~ +150℃
Applicable temperature: −50℃ ~ +150℃

适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.



名称 Name	型号 Type	尺寸(mm) Size(mm)						重量(Kg) Weight
		ϕ D	ϕ D1	L	ϕ D0	H1	H	
直通截止阀 Straight-through stop valve	RVY15-D	21	15	106	65	137	147	1.3
	RVY20-D	25	20	106	65	140	150	1.4
	RVY25-D	32	25	128	75	170	186	2.4
	RVY32-D	38	32	128	75	174	190	2.5
	RVY40-D	45	40	165	95	218	250	4.3
	RVY50-D	57	50	165	95	225	258	4.6
	RVY65-D	76	65	195	105	270	305	8.8
	RVY80-D	89	80	212	115	305	350	10.3

RVT15-80-D锻钢直角截止阀
RVT15-80-D Forged steel right-angle stop valve



名称 Name	型号 Type	尺寸(mm) Size(mm)						重量(Kg) Weight
		ϕ D	ϕ D1	L	ϕ D0	H1	H	
直角截止阀 Right-angle stop valve	RVT15-D	21	15	40	65	168	183	1.2
	RVT20-D	25	20	40	65	168	183	1.3
	RVT25-D	32	25	51	75	200	223	2.1
	RVT32-D	38	32	51	75	200	223	2.2
	RVT40-D	45	40	60	95	246	290	3.8
	RVT50-D	57	50	64	95	246	290	4.0
	RVT65-D	76	65	75	105	265	300	7.2
	RVT80-D	89	80	80	115	305	345	8.3

RRY15-80-D锻钢直通调节阀
RRY15-80-D Forged steel straight-through regulating valve

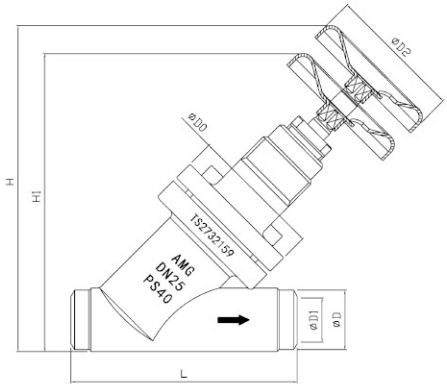
技术参数 Technical parameters

公称压力：4.0MPa
Nominal pressure: 4.0MPa

试验压力：6.0MPa
Test pressure: 6.0MPa

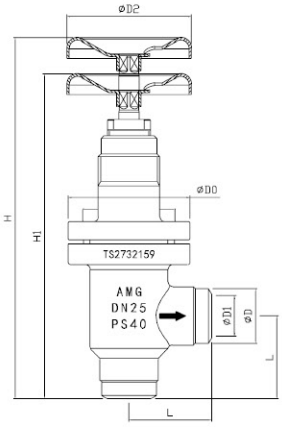
适用温度：−50℃~ +150℃
Applicable temperature: −50℃ ~ +150℃

适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.



名称 Name	型号 Type	尺寸(mm) Size(mm)						重量(Kg) Weight
		ϕ D	ϕ D1	L	ϕ D0	H1	H	
直通调节阀 Straight-through regulating valve	RRY15-D	21	15	106	65	137	147	1.4
	RRY20-D	25	20	106	65	140	150	1.5
	RRY25-D	32	25	128	75	170	186	2.5
	RRY32-D	38	32	128	75	174	190	2.5
	RRY40-D	45	40	165	95	218	250	4.4
	RRY50-D	57	50	165	95	225	258	4.8
	RRY65-D	76	65	195	105	270	305	9.3
	RRY80-D	89	80	212	115	305	350	11.1

RRT15-80-D锻钢直角调节阀
RRT15-80-D Forged steel right-angle regulating valve



名称 Name	型号 Type	尺寸(mm) Size(mm)						重量(Kg) Weight
		ϕ D	ϕ D1	L	ϕ D0	H1	H	
直角调节阀 Right-angle regulating valve	RRT15-D	21	15	40	65	168	183	1.2
	RRT20-D	25	20	40	65	168	183	1.3
	RRT25-D	32	25	51	75	200	223	2.2
	RRT32-D	38	32	51	75	200	223	2.3
	RRT40-D	45	40	60	95	246	290	4.1
	RRT50-D	57	50	64	95	246	290	4.2
	RRT65-D	76	65	75	105	265	300	7.7
	RRT80-D	89	80	80	115	305	345	9.1

RCY15-80-D锻钢直通止回阀
RCY15-80-D Forged steel straight-through check valve

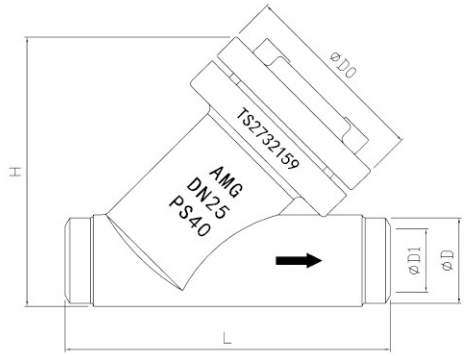
技术参数 Technical parameters

公称压力：4.0MPa
Nominal pressure: 4.0MPa

试验压力：6.0MPa
Test pressure: 6.0MPa

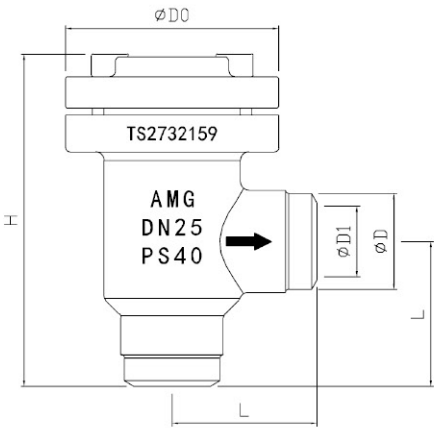
适用温度：−50℃~ +150℃
Applicable temperature: −50℃ ~ +150℃

适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.



名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕD	ϕD1	L	ϕD0	H	
直通 止回阀 Straight-through check valve	RCY15-D	21	15	106	65	87	1.1
	RCY20-D	25	20	106	65	89	1.2
	RCY25-D	32	25	128	75	106	1.9
	RCY32-D	38	32	128	75	110	2.0
	RCY40-D	45	40	165	95	140	3.8
	RCY50-D	57	50	165	95	146	4.2
	RCY65-D	76	65	195	105	175	7.1
	RCY80-D	89	80	212	115	193	8.4

RCT15-80-D锻钢直角止回阀
RCT15-80-D Forged steel right-angle check valve



名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕD	ϕD1	L	ϕD0	H	
直角 止回阀 Right-angle check valve	RCT15-D	21	15	40	65	100	1.0
	RCT20-D	25	20	40	65	100	1.1
	RCT25-D	32	25	51	75	116	1.6
	RCT32-D	38	32	51	75	116	1.7
	RCT40-D	45	40	60	95	150	3.2
	RCT50-D	57	50	60	95	150	3.6
	RCT65-D	76	65	75	105	160	5.6
	RCT80-D	89	80	80	115	173	6.3

VCY15-80-D锻钢直通截止止回阀
VCY15-80-D Forged steel straight-through stop check valve

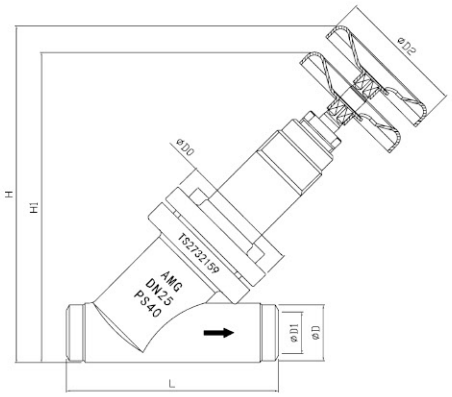
技术参数 Technical parameters

公称压力：4.0MPa
Nominal pressure: 4.0MPa

试验压力：6.0MPa
Test pressure: 6.0MPa

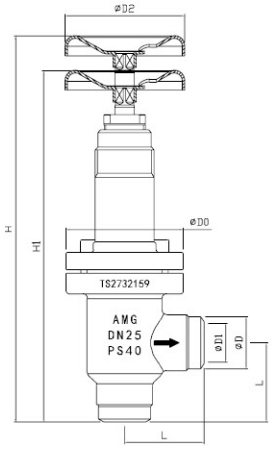
适用温度：−50℃~ +150℃
Applicable temperature: −50℃ ~ +150℃

适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.



名称 Name	型号 Type	尺寸(mm) Size(mm)						重量(Kg) Weight
		ϕ D	ϕ D1	L	ϕ D0	H1	H	
直通 截止止回阀 Straight-through stop check valve	VCY15-D	21	15	106	65	150	165	1.5
	VCY20-D	25	20	106	65	155	170	1.6
	VCY25-D	32	25	128	75	190	207	2.4
	VCY32-D	38	32	128	75	193	210	2.8
	VCY40-D	45	40	165	95	237	264	4.8
	VCY50-D	57	50	165	95	243	270	5.0
	VCY65-D	76	65	195	105	307	340	8.7
	VCY80-D	89	80	212	115	326	365	10.0

VCT15-80-D锻钢直角截止止回阀
VCT15-80-D Forged steel right-angle stop check valve



名称 Name	型号 Type	尺寸(mm) Size(mm)						重量(Kg) Weight
		ϕ D	ϕ D1	L	ϕ D0	H1	H	
直角 截止止回阀 Right-angle stop check valve	VCT15-D	21	15	40	65	190	210	1.3
	VCT20-D	25	20	40	65	190	210	1.4
	VCT25-D	32	25	51	75	227	253	2.4
	VCT32-D	38	32	51	75	227	253	2.5
	VCT40-D	45	40	60	95	276	313	4.2
	VCT50-D	57	50	64	95	276	313	4.3
	VCT65-D	76	65	75	105	316	362	7.4
	VCT80-D	89	80	80	115	335	386	8.2

锻钢FIAY/FIAT 过滤器
Forged steel FIAY/FIAT Filter

FIAY15-150-D锻钢直通过滤器
FIAY15-150-D forged steel straight-through Filter

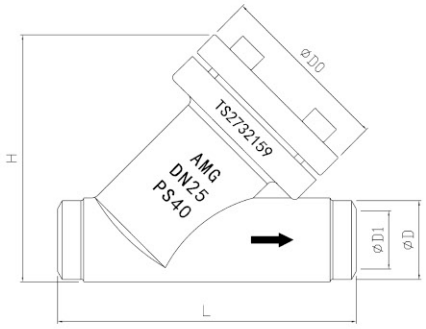
技术参数 Technical parameters

公称压力：4.0MPa
Nominal pressure: 4.0MPa

试验压力：6.0MPa
Test pressure: 6.0MPa

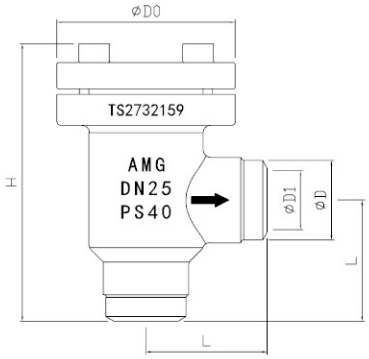
适用温度：−50℃~ +150℃
Applicable temperature: −50℃ ~ +150℃

适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.



名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕD	ϕD1	L	ϕD0	H	
直通过滤器 Straight-through filter	FIAY15-D	21	15	106	65	87	1.0
	FIAY20-D	25	20	106	65	89	1.1
	FIAY25-D	32	25	128	75	106	1.5
	FIAY32-D	38	32	128	75	110	1.7
	FIAY40-D	45	40	165	95	140	3.0
	FIAY50-D	57	50	165	95	146	3.3
	FIAY65-D	76	65	195	105	175	5.8
	FIAY80-D	89	80	212	115	193	7.1
	FIAY100-D	108	99	264	156	250	
	FIAY125-D	133	123	322	193	310	
	FIAY150-D	159	149	370	219	355	

FIAT15-150-D锻钢直角过滤器
FIAT15-150-D forged steel right-angle Filter



名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕD	ϕD1	L	ϕD0	H	
直角过滤器 Right-angle filter	FIAT15-D	21	15	40	65	92	0.9
	FIAT20-D	25	20	40	65	92	0.9
	FIAT25-D	32	25	51	75	110	1.2
	FIAT32-D	38	32	51	75	110	1.4
	FIAT40-D	45	40	60	95	138	2.4
	FIAT50-D	57	50	64	95	138	2.7
	FIAT65-D	76	65	75	105	150	4.4
	FIAT80-D	89	80	80	115	162	5.1
	FIAT100-D	108	99	106	156	220	
	FIAT125-D	133	123	128	193	270	
	FIAT150-D	159	149	145	219	300	

RVY100-250-D铸钢直通截止阀
RVY100-250-D cast steel straight-through stop valve

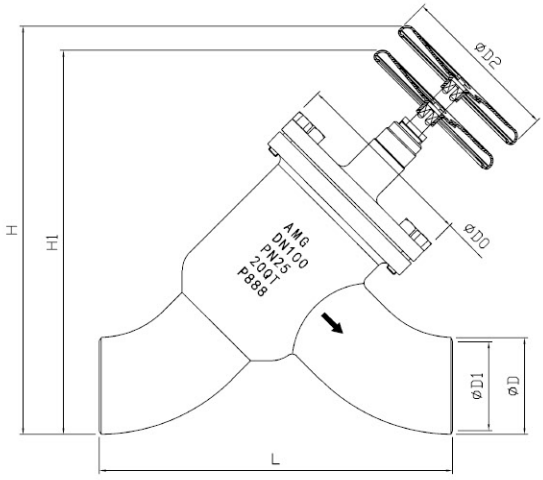
技术参数 Technical parameters

公称压力：4.0MPa
Nominal pressure: 4.0MPa

试验压力：6.0MPa
Test pressure: 6.0MPa

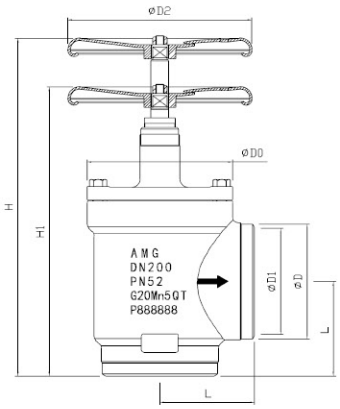
适用温度：−50℃~ +150℃
Applicable temperature: −50℃ ~ +150℃

适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.



名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕ D	L	H1	H	ϕ D0	
直通截止阀 Straight-through stop valve	RVY100-D	108	264	340	375	156	16
	RVY125-D	133	322	405	450	193	30
	RVY150-D	159	370	480	540	219	39
	RVY200-D	219	464	615	680	276	90
	RVY250-D	273	550	715	790	334	110

RVT100-300-D铸钢直角截止阀
RVT100-300-D cast steel right-angle stop valve



名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕ D	L	H1	H	ϕ D0	
直角截止阀 Right-angle stop valve	RVT100-D	108	106	325	375	156	14
	RVT125-D	133	128	395	460	193	27
	RVT150-D	159	145	460	545	219	35
	RVT200-D	219	180	550	645	276	73
	RVT250-D	273	210	620	725	334	100
	RVT300-D	325	240	655	760	384	140

RVY100-450-D焊接式直通截止阀
RVY100-450-D Welding straight-through stop valve

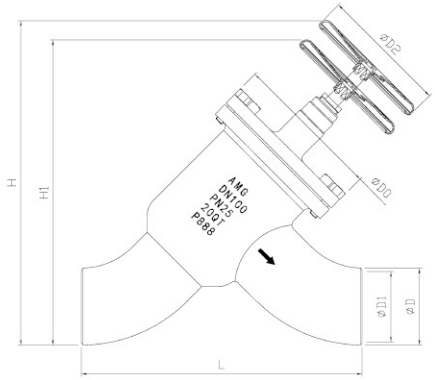
技术参数 Technical parameters

公称压力：2.5MPa
Nominal pressure: 2.5MPa

试验压力：3.75MPa
Test pressure: 3.75MPa

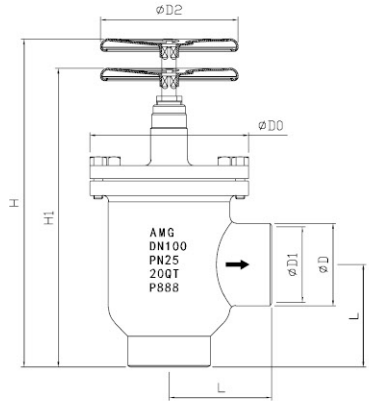
适用温度：−50℃~ +150℃
Applicable temperature:−50℃ ~ +150℃

适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.



名称 Name	型号 Type	尺寸(mm) Size(mm)						重量(Kg) Weight
		ϕ D	ϕ D1	L	ϕ D0	H1	H	
直通截止阀 Straight-through stop valve	RVY100-D	108	99	390	208	428	455	19
	RVY125-D	133	123	470	229	500	535	28
	RVY150-D	159	149	545	267	560	605	38
	RVY200-D	219	205	670	333	710	760	78
	RVY250-D	273	255	910	410	870	935	145
	RVY300-D	325	305	1065	450	1070	1155	288
	RVY350-D	377	355	1225	505	1185	1260	390
	RVY400-D	426	402	1380	565	1300	1420	
	RVY450-D	480	456	1530	650	1380	1500	

RVT100-450-D焊接式直角截止阀
RVT15-450-D Welding right-angle stop valve



名称 Name	型号 Type	尺寸(mm) Size(mm)						重量(Kg) Weight
		ϕ D	ϕD1	L	ϕ D0	H1	H	
直角截止阀 Right-angle stop valve	RVT100-D	108	99	134	208	390	430	16
	RVT125-D	133	123	155	229	450	505	22
	RVT150-D	159	149	175	267	500	560	31
	RVT200-D	219	205	220	360	660	750	68
	RVT250-D	273	255	260	410	710	800	106
	RVT300-D	325	305	300	450	885	1000	205
	RVT350-D	377	355	355	505	970	1095	265
	RVT400-D	426	402	380	565	1065	1225	
	RVT450-D	480	456	390	650	1100	1265	

VCY100-450-D焊接式直通截止止回阀
VCY100-450-D Welding straight-through stop check valve

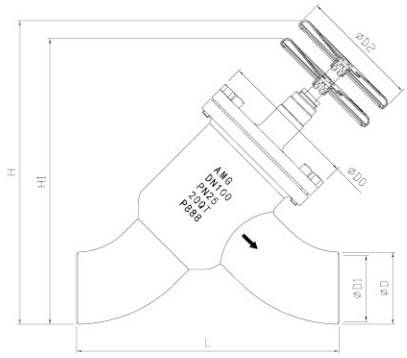
技术参数 Technical parameters

公称压力：2.5MPa
Nominal pressure: 2.5MPa

试验压力：3.75MPa
Test pressure: 3.75MPa

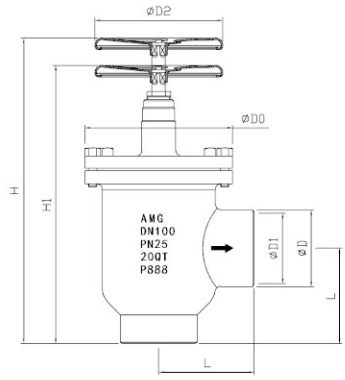
适用温度：−50℃~ +150℃
Applicable temperature: −50℃ ~ +150℃

适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.



名称 Name	型号 Type	尺寸(mm) Size(mm)						重量(Kg) Weight
		ϕ D	ϕ D1	L	ϕ D0	H1	H	
直通 截止止回阀 Straight−through stop check valve	VCY100−D	108	99	390	208	435	465	20
	VCY125−D	133	123	470	229	520	560	28
	VCY150−D	159	149	545	267	570	605	38
	VCY200−D	219	205	670	333	770	835	95
	VCY250−D	273	255	910	410	900	965	145
	VCY300−D	325	305	1065	450	1070	1155	288
	VCY350−D	377	355	1225	505	1180	1255	390
	VCY400−D	426	402	1380	565	1300	1420	
	VCY450−D	480	456	1530	650	1380	1500	

VCT100-450-D焊接式直角截止止回阀
VCT100-450-D Welding right-angle stop check valve



名称 Name	型号 Type	尺寸(mm) Size(mm)						重量(Kg) Weight
		ϕ D	ϕD1	L	ϕD0	H1	H	
直角 截止止回阀 Right−angle stop check valve	VCT100−D	108	99	134	208	400	440	17
	VCT125−D	133	123	155	229	485	540	23
	VCT150−D	159	149	175	267	500	552	32
	VCT200−D	219	205	220	360	690	775	85
	VCT250−D	273	255	260	410	756	846	114
	VCT300−D	325	305	300	450	830	930	230
	VCT350−D	377	355	355	505	970	1080	285
	VCT400−D	426	402	380	565	1065	1225	
	VCT450−D	480	456	390	650	1100	1265	

TDZ15-125-T直角过滤器
TDZ15-125-T right-angle Filter

埃姆基两种形式的过滤器TDZ型和FIA型，是为工业制冷特别设计的，这些性能可靠的过滤器是现代制冷工业不可缺少的组成部分。它们适用于氨、氟等所有通用制冷剂的气体和液体。

TDZ型过滤器有角式和直通式二种连接结构。TDZ型过滤器体积大、过滤面积大、清洗间隔时间长，适用于泵前、泵后和压缩机等之前。

FIA型过滤器同样有角式和直通式二种连接结构。FIA型过滤器体积小，适用于电磁阀、压力调节阀等自控装置之前。防止了杂质对压缩机和阀门及其他部件的磨损，从而减少了系统的故障率。

- 过滤网及网板均由不锈钢制成，不生锈、寿命长、易清洗。
- 方孔过滤网板流通面积大，压降小。滤芯安装、维护保养方便。
- DN15-80 FIA型的过滤器壳体材料为特殊的耐低温钢，且整体锻钢制成，无泄漏。
- 不锈钢滤网有38、72、100、150目(500、 250、150、100μ)四种规格选择。

过滤网选择的一般原则：

- 液体管路：泵前38目(500μ),泵后100目(150μ),电子膨胀阀前150目(100μ),一般自控元件前38目(500μ),敏感自控元件前72目(250μ)。
- 吸气管路：螺杆压缩机前72目(250μ)，活塞压缩机前100目(150μ)。
- 清洗或更换过滤网的参考原则液体管路△P＞0.5bar,吸气管路△P＞0.05bar,过滤器允许最大压差为1bar。

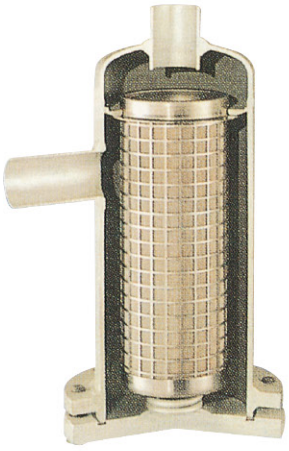
技术参数 Technical parameters

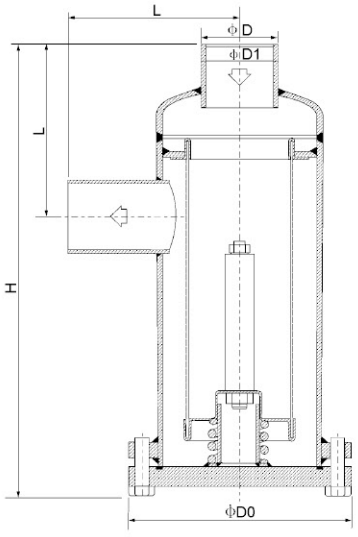
公称压力：2.5MPa
Nominal pressure: 2.5MPa

试验压力：3.75MPa
Test pressure: 3.75MPa

适用温度：−50℃~+150℃
Applicable temperature: −50℃ ~ +150℃

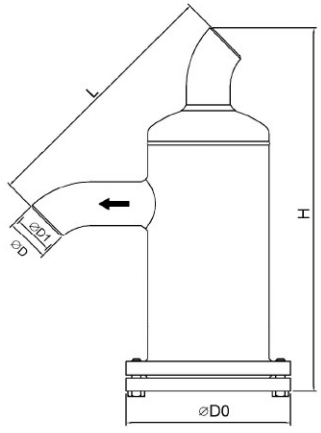
适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.





名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕD	ϕD1	L	ϕD0	H	
直角过滤器 Right-angle filter	TDZ15T-D	21	15	110	150	270	6
	TDZ20T-D	25	20	110	150	270	6
	TDZ25T-D	32	25	110	150	270	6
	TDZ32T-D	38	32	110	150	270	6
	TDZ40T-D	45	40	140	180	345	11
	TDZ50T-D	57	50	140	180	345	11
	TDZ65T-D	76	65	140	180	345	11
	TDZ80T-D	89	80	140	180	345	11
	TDZ100T-D	108	99	134	208	410	16
	TDZ125T-D	133	123	155	229	470	18
	TDZ150T-D	159	149	175	267	545	23

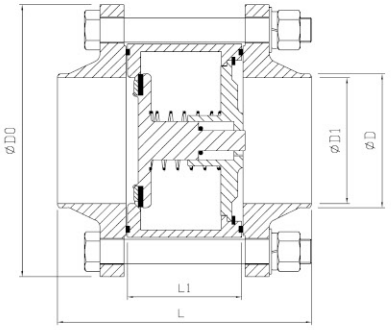
TDZ15-125-Y直通过滤器
TDZ15-125-Y straight-through Filter

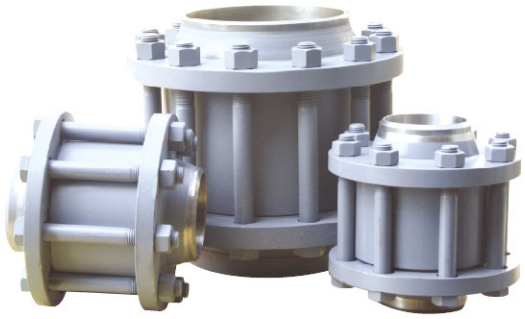


名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕD	ϕD1	L	ϕD0	H	
直通过滤器 Straight-through filter	TDZ15Y-D	21	15	200	150	295	6
	TDZ20Y-D	25	20	210	150	300	6
	TDZ25Y-D	32	25	220	150	305	6
	TDZ32Y-D	38	32	230	150	310	6
	TDZ40Y-D	45	40	300	180	400	11
	TDZ50Y-D	57	50	310	180	415	11
	TDZ65Y-D	76	65	320	180	420	12
	TDZ80Y-D	89	80	330	180	435	12
	TDZ100Y-D	108	99	395	208	455	18
	TDZ125Y-D	133	123	475	229	520	20

RCH25-350-F高径法兰直通止回阀

RCH80-350-F Welding neck flange straight-through check valve





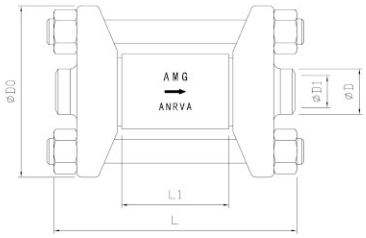
技术参数 Technical parameters

公称压力：2.5MPa
Nominal pressure: 2.5MPa

试验压力：3.75MPa
Test pressure: 3.75MPa

适用温度：−50℃~ +150℃
Applicable temperature: −50℃ ~ +150℃

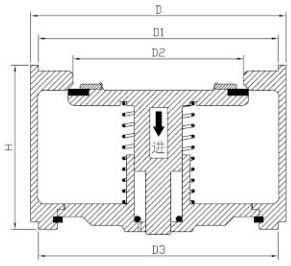
适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.



名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕD	ϕD1	L1	L	ϕD0	
高径法兰直通止回阀 High neck flange Straight-through check valve	RCH15-F	21	15	50	115	80	1.5
	RCH20-F	27	20	50	115	80	1.5
	RCH25-F	34	25	70	138	□90	3
	RCH32-F	42	32	70	138	□90	3
	RCH40-F	48	40	75	155	□100	8
	RCH50-F	60	50	75	155	□100	9.5
	RCH65-F	76	65	90	195	185	14
	RCH80-F	89	80	100	220	200	18.5
	RCH100-F	108	99	113	245	235	26
	RCH125-F	133	124	123	265	270	36
	RCH150-F	159	149	130	285	300	48
	RCH200-F	219	205	160	325	360	67
	RCH250-F	273	259	180	360	425	
	RCH300-F	325	305	190	380	485	
	RCH350-F	377	355	220	425	555	

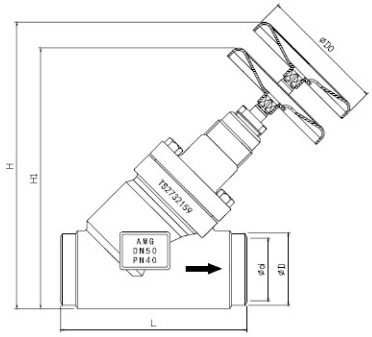
RCH80-400螺杆机专用吸气止回阀

RCH80-400 Screw machine dedicated to brea the check valve



名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕD	ϕD1	ϕD2	ϕD3	H	
螺杆机专用吸气止回阀 Special Inhalation Check Valve for Screw Machine	RCH32	73	65	66	32	75	1.5
	RCH40	68	75	76	42	80	2
	RCH50	93	87	88	52	85	2.3
	RCH65	118	109	110	65	97	4.5
	RCH80	138	120	121	80	108	5.5
	RCH100	144	129	129	96	123	6
	RCH125	165	154	155	105	123	9
	RCH150	200	190	190	135	130	12
	RCH200	270	259	260	190	160	23
	RCH250	348	330	331	240	180	33
	RCH300	400	363	364	290	190	56
	RCH350	453	421	422	338	220	73
	RCH400	505	474	477	370	260	99

STY15-150-D锻钢直通截止阀
RVY15-150-D Forged steel straight-through stop valve



技术参数 Technical parameters

公称压力：2.5MPa
Nominal pressure: 2.5MPa

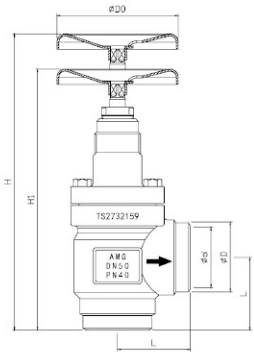
试验压力：3.75MPa
Test pressure: 3.75MPa

适用温度：−50℃~+150℃
Applicable temperature: −50℃~+150℃

适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.

名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕ D	L	H1	H	ϕ D0	
直通截止阀 Straight-through stop valve	STY15-D	21	90	110	120	60	0.6
	STY20-D	27	120	130	140	60	1.2
	STY25-D	34	120	130	140	60	1.3
	STY32-D	42	128	155	175	80	2
	STY40-D	48	145	175	195	80	2.5
	STY50-D	57	148	205	225	100	4
	STY65-D	76	176	240	265	120	6.5
	STY80-D	89	216	285	310	160	11
	STY100-D	108	264	340	375	180	17
	STY125-D	133	322	405	450	200	35
	STY150-D	159	370	480	540	250	50

STT15-150-D锻钢直角截止阀
STT15-150-D Forged steel right-angle stop valve



名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕ D	L	H1	H	ϕ D0	
直角截止阀 Right-angle stop valve	STT15-D	21	35	135	150	60	0.55
	STT20-D	27	45	155	170	60	1
	STT25-D	34	45	155	170	60	1.1
	STT32-D	42	51	180	205	80	1.9
	STT40-D	48	55	195	225	80	2.3
	STT50-D	57	60	215	240	100	3.4
	STT65-D	76	70	240	275	120	5.3
	STT80-D	89	90	280	315	160	8.6
	STT100-D	108	106	325	375	180	13.5
	STT125-D	133	128	395	460	200	27
	STT150-D	159	145	460	545	250	37

锻钢SRY/SRT调节阀
Forged steel SRY/SRT control valve

SRY15-80-D锻钢直通调节阀
SRY15-80-D Forged steel straight-through control valve

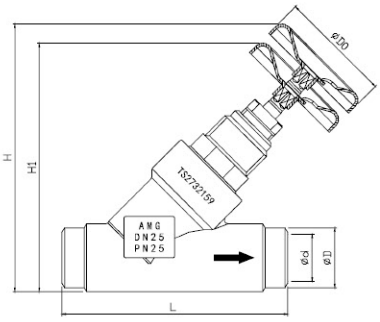
技术参数 Technical parameters

公称压力：2.5MPa
Nominal pressure: 2.5MPa

试验压力：3.75MPa
Test pressure: 3.75MPa

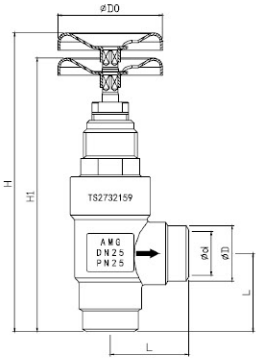
适用温度：−50℃~ +150℃
Applicable temperature: −50℃ ~ +150℃

适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.



名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕ D	L	H1	H	ϕ D0	
直通调节阀 Straight-through control valve	SRY15-D	21	90	110	120	60	0.65
	SRY20-D	27	120	130	140	60	1.2
	SRY25-D	34	120	130	140	60	1.4
	SRY32-D	42	128	155	175	80	2.1
	SRY40-D	48	145	170	195	80	2.7
	SRY50-D	57	148	205	225	100	4.3
	SRY65-D	76	176	240	265	120	6.8
	SRY80-D	89	216	265	310	160	11.5

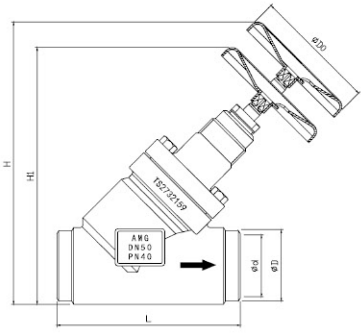
SRT15-80-D锻钢直角调节阀
SRT15-80-D Forged steel right-angle control valve

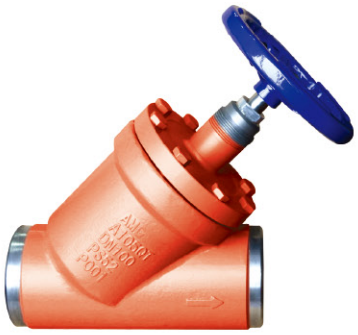


名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕ D	L	H1	H	ϕ D0	
直角调节阀 Right-angle control valve	SRT15-D	21	35	135	150	60	0.6
	SRT20-D	27	45	155	170	60	1.1
	SRT25-D	34	45	155	170	60	1.2
	SRT32-D	42	51	180	205	80	2
	SRT40-D	48	55	195	225	80	2.4
	SRT50-D	57	60	215	240	100	3.6
	SRT65-D	76	70	240	275	120	5.6
	SRT80-D	89	90	280	315	160	9

精锻CO2用SVY/SVT截止阀
Precision forging and CO2 Use SVY/SVT stop valve

SVY15-150-D精锻直通截止阀
SVY15-150-D Precision forging straight-through stop valve





技术参数 Technical parameters

公称压力：5.2MPa
Nominal pressure: 5.2MPa

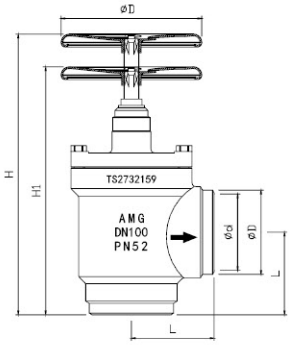
试验压力：7.8MPa
Test pressure: 7.8MPa

适用温度：−60℃~+150℃
Applicable temperature: −60℃~+150℃

适用介质：氨、氟、CO2、丙烷等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.

名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕ D	L	H1	H	ϕ D0	
直通截止阀 Straight-through stop valve	SVY15-D	21	120	140	155	60	1.6
	SVY20-D	27	120	140	155	60	1.6
	SVY25-D	32	155	185	205	80	3
	SVY32-D	38	155	185	205	80	3.6
	SVY40-D	45	155	188	208	80	3.6
	SVY50-D	57	148	205	225	100	4.1
	SVY65-D	76	176	240	265	120	6.5
	SVY80-D	89	216	290	310	160	11
	SVY100-D	108	264	340	375	180	17
	SVY125-D	133	322	405	450	200	35
	SVY150-D	159	370	480	540	250	50

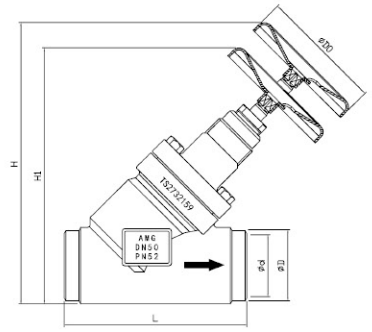
SVT15-150-D精锻直角截止阀
SVT15-150-D Precision forging right-angle stop valve



名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕ D	L	H1	H	ϕ D0	
直角截止阀 Right-angle stop valve	SVT15-D	21	45	175	195	60	1.3
	SVT20-D	27	45	175	195	60	1.4
	SVT25-D	32	55	220	250	80	2.5
	SVT32-D	38	55	220	250	80	2.6
	SVT40-D	45	55	220	250	80	2.6
	SVT50-D	57	60	215	240	100	3.4
	SVT65-D	76	70	240	275	120	5.3
	SVT80-D	89	90	280	315	160	8.6
	SVT100-D	108	106	325	375	180	13.5
	SVT125-D	133	128	395	460	200	27
	SVT150-D	159	145	460	545	250	37

精锻CO2用REY/RET调节阀
Precision forging and CO2 Use REY/RET control valve

REY15-80-D精锻直通调节阀
REY15-80-D Precision forging straight-through control valve



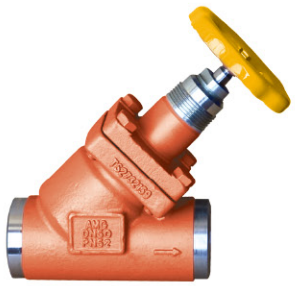
技术参数 Technical parameters

公称压力：5.2MPa
Nominal pressure: 5.2MPa

试验压力：7.8MPa
Test pressure: 7.8MPa

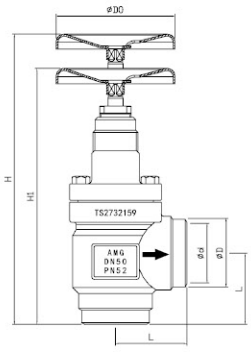
适用温度：−60℃~+150℃
Applicable temperature: −60℃~+150℃

适用介质：氨、氟、CO_2、丙烷等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.



名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕD	L	H	H1	ϕD0	
直通调节阀 Straight-through control valve	REY15-D	21	120	155	140	60	1.8
	REY20-D	27	120	155	140	60	1.8
	REY25-D	32	155	205	185	80	3.2
	REY32-D	38	155	205	185	80	3.8
	REY40-D	45	155	208	188	80	3.8
	REY50-D	57	148	225	205	100	4.5
	REY65-D	76	176	265	240	120	6.8
	REY80-D	89	216	310	290	160	11.5

RET15-80-D精锻直角调节阀
RET15-80-D Precision forging right-angle control valve



名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕD	L	H	H1	ϕD0	
直角调节阀 Right-angle control valve	RET15-D	21	45	195	175	60	1.5
	RET20-D	27	45	195	175	60	1.6
	RET25-D	32	55	250	220	80	2.7
	RET32-D	38	55	250	220	80	2.8
	RET40-D	45	55	250	220	80	2.8
	RET50-D	57	60	240	215	100	3.8
	RET65-D	76	70	275	240	120	5.6
	RET80-D	89	90	315	280	160	9

精锻CO_2用CHY/CHT止回阀
Precision forging and CO_2 CHY/CHT check valve

CHY15-150-D精锻直通止回阀
CHY15-150-D Precision forging straight-through check valve

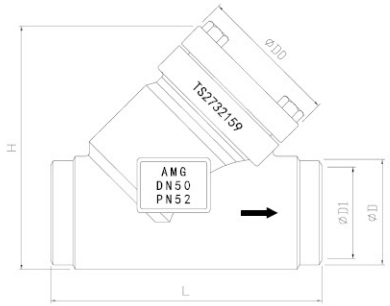
技术参数 Technical parameters

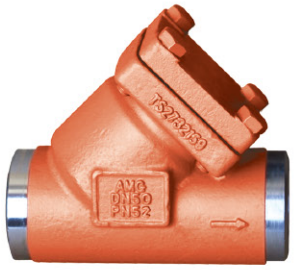
公称压力：5.2MPa
Nominal pressure: 5.2MPa

试验压力：7.8MPa
Test pressure: 7.8MPa

适用温度：−60℃~+150℃
Applicable temperature: −60℃~+150℃

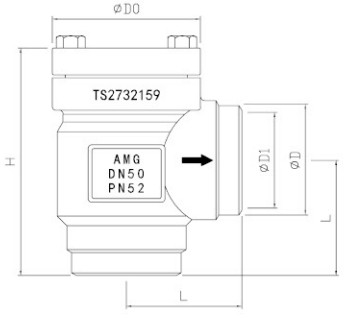
适用介质：氨、氟、CO_2、丙烷等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.





名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕD	ϕD1	L	H	ϕD0	
直通止回阀 Straight-through check valve	CHY15-D	21	15	120	90	□60	
	CHY20-D	27	20	120	90	□60	
	CHY25-D	32	25	155	125	□70	
	CHY32-D	38	32	155	125	□70	
	CHY40-D	45	40	155	125	□70	
	CHY50-D	57	50	148	135	□77	
	CHY65-D	76	65	176	160	□90	
	CHY80-D	89	80	216	205	128	
	CHY100-D	108	99	264	250	156	
	CHY125-D	133	123	322	310	193	
	CHY150-D	159	149	370	355	219	

CHT15-150-D精锻直角止回阀
CHT15-150-D Precision forging right-angle check valve



名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕD	ϕD1	L	H	ϕD0	
直角止回阀 Right-angle check valve	CHT15—D	21	15	45	105	□60	
	CHT20—D	27	20	45	105	□60	
	CHT25—D	32	25	55	145	□70	
	CHT32—D	38	32	55	145	□70	
	CHT40—D	45	40	55	145	□70	
	CHT50—D	57	50	60	120	□77	
	CHT65—D	76	65	70	140	□90	
	CHT80—D	89	80	90	180	128	
	CHT100—D	108	99	106	210	156	
	CHT125—D	133	123	128	260	193	
	CHT150—D	159	149	145	295	219	

精锻CO2用SCY/SCT截止止回阀
Precision forging and CO_2 SCY/SCT stop check valve

SCY15-150-D精锻直通截止止回阀
SCY15-150-D Precision forging straight-through stop check valve

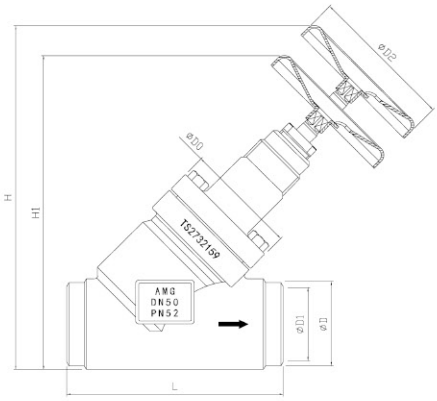
技术参数 Technical parameters

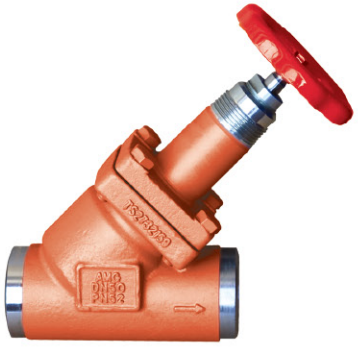
公称压力：5.2MPa
Nominal pressure: 5.2MPa

试验压力：7.8MPa
Test pressure: 7.8MPa

适用温度：−60℃~+150℃
Applicable temperature: −60℃~+150℃

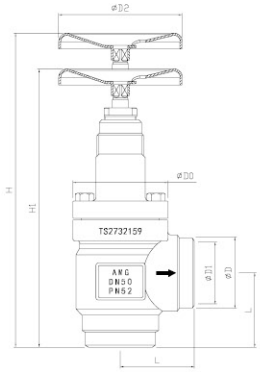
适用介质：氨、氟、CO_2、丙烷等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.





名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕ D	L	H1	H	ϕ D0	
直通 截止止回阀 Straight-through stop check valve	SCY15-D	21	120	155	170	□60	
	SCY20-D	27	120	155	170	□60	
	SCY25-D	32	155	205	225	□70	
	SCY32-D	38	155	205	225	□70	
	SCY40-D	45	155	205	225	□70	
	SCY50-D	57	148	205	225	□77	
	SCY65-D	76	176	240	265	□90	
	SCY80-D	89	216	310	335	128	
	SCY100-D	108	264	365	405	156	
	SCY125-D	133	322	405	450	193	
	SCY150-D	159	370	480	540	219	

SCT15-150-D精锻直角截止止回阀
SCT15-150-D Precision forging right-angle stop check valve



名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕ D	L	H1	H	ϕ D0	
直角 截止止回阀 Right-angle stop check valve	SCT15-D	21	45	195	215	□60	
	SCT20-D	27	45	195	215	□60	
	SCT25-D	32	55	245	280	□70	
	SCT32-D	38	55	245	280	□70	
	SCT40-D	45	55	245	280	□70	
	SCT50-D	57	60	215	240	□77	
	SCT65-D	76	70	240	275	□90	
	SCT80-D	89	90	320	355	128	
	SCT100-D	108	106	365	425	156	
	SCT125-D	133	128	395	460	193	
	SCT150-D	159	145	460	545	219	

FIAY15-150-D精锻直通过滤器
FIAY 15-150-D Precision forging straight-through filter

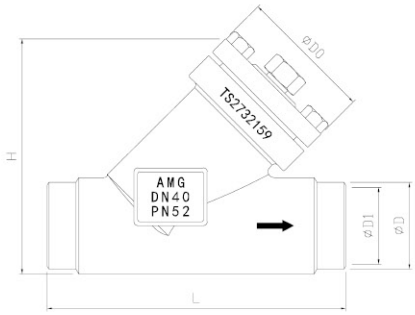
技术参数 Technical parameters

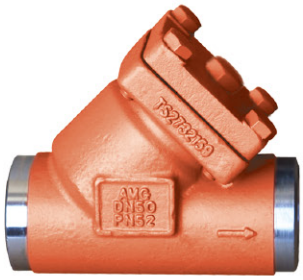
公称压力：5.2MPa
Nominal pressure: 5.2MPa

试验压力：7.8MPa
Test pressure: 7.8MPa

适用温度：−60℃~+150℃
Applicable temperature: −60℃~+150℃

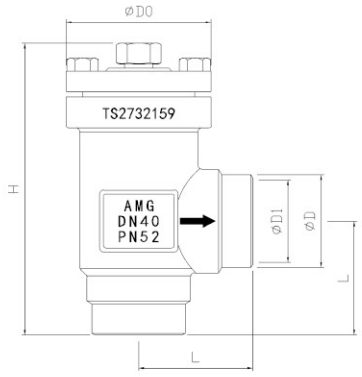
适用介质：氨、氟、CO_2、丙烷等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.





名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕD	ϕD1	L	H	ϕD0	
直通过滤器 Straight-through filter	FIY15-D	21	15	120	90	□60	
	FIY20-D	27	20	120	90	□60	
	FIY25-D	32	25	155	125	□70	
	FIY32-D	38	32	155	125	□70	
	FIY40-D	45	40	155	125	□70	
	FIY50-D	57	50	148	135	□77	
	FIY65-D	76	65	176	160	□90	
	FIY80-D	89	80	216	205	128	
	FIY100-D	108	99	264	250	156	
	FIY125-D	133	123	322	310	193	
	FIY150-D	159	149	370	355	219	

FIAT15-150-D精锻直角过滤器
FIAT 15-150-D Precision forging right-angle filter



名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕD	ϕD1	L	H	ϕD0	
直角过滤器 Right-angle filter	FIT15-D	21	15	45	110	□60	
	FIT20-D	27	20	45	110	□60	
	FIT25-D	32	25	55	140	□70	
	FIT32-D	38	32	55	140	□70	
	FIT40-D	45	40	55	140	□70	
	FIT50-D	57	50	60	130	□77	
	FIT65-D	76	65	70	150	□90	
	FIT80-D	89	80	90	190	128	
	FIT100-D	108	99	106	220	156	
	FIT125-D	133	123	128	270	193	
	FIT150-D	159	149	145	300	219	

FIAY15-80SS-D不锈钢直通过滤器
FIAY15-80SS-D Stainless steel straight-through Filter

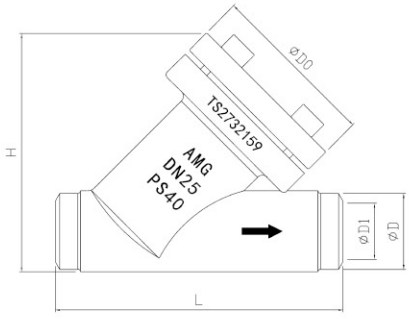
技术参数 Technical parameters

公称压力：4.0MPa
Nominal pressure: 4.0MPa

试验压力：6.0MPa
Test pressure: 6.0MPa

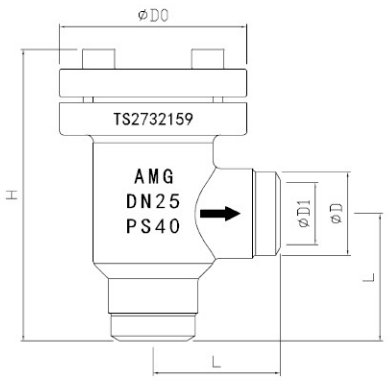
适用温度：−101℃~+150℃
Applicable temperature: −101℃~+150℃

适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.



名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕD	ϕD1	L	ϕD0	H	
直通过滤器 Straight-through filter	FIY15SS-D	21	15	106	65	87	1.0
	FIY20SS-D	25	20	106	65	89	1.1
	FIY25SS-D	32	25	128	75	106	1.5
	FIY32SS-D	38	32	128	75	110	1.7
	FIY40SS-D	45	40	165	95	140	3.0
	FIY50SS-D	57	50	165	95	146	3.3
	FIY65SS-D	76	65	195	105	175	5.8
	FIY80SS-D	89	80	212	115	193	7.1

FIAT15-80SS-D不锈钢直角过滤器
FIAT15-80SS-D Stainless steel right-angle Filter



名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕD	ϕD1	L	ϕD0	H	
直角过滤器 Right-angle filter	FIT15SS-D	21	15	40	65	92	0.9
	FIT20SS-D	25	20	40	65	92	0.9
	FIT25SS-D	32	25	51	75	110	1.2
	FIT32SS-D	38	32	51	75	110	1.4
	FIT40SS-D	45	40	60	95	138	2.4
	FIT50SS-D	57	50	64	95	138	2.7
	FIT65SS-D	76	65	75	105	150	4.4
	FIT80SS-D	89	80	80	115	162	5.1

RVY15-80SS-D 不锈钢直通截止阀

RVY 15-80SS-D Stainless steel straight-through stop valve

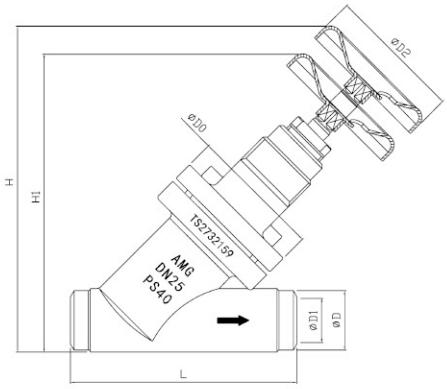
技术参数 Technical parameters

公称压力：4.0MPa
Nominal pressure: 4.0MPa

试验压力：6.0MPa
Test pressure: 6.0MPa

适用温度：−101℃~+150℃
Applicable temperature: −101℃~+150℃

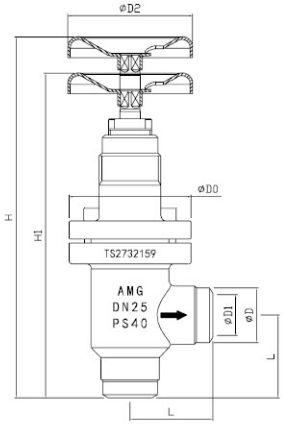
适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.



名称 Name	型号 Type	尺寸(mm) Size(mm)						重量(Kg) Weight
		φ D	φ D1	L	φ D0	H1	H	
直通截止阀 Straight-through stop valve	RVY15SS-D	21	15	106	65	137	147	1.3
	RVY20SS-D	25	20	106	65	140	150	1.4
	RVY25SS-D	32	25	128	75	170	186	2.4
	RVY32SS-D	38	32	128	75	174	190	2.5
	RVY40SS-D	45	40	165	95	218	250	4.3
	RVY50SS-D	57	50	165	95	225	258	4.6
	RVY65SS-D	76	65	195	105	270	305	8.8
	RVY80SS-D	89	80	212	115	305	350	10.3

RVT15-80SS-D 不锈钢直角截止阀

RVT 15-80SS-D Stainless steel right-angle stop valve



名称 Name	型号 Type	尺寸(mm) Size(mm)						重量(Kg) Weight
		φ D	φ D1	L	φ D0	H1	H	
直角截止阀 Right-angle stop valve	RVT15SS-D	21	15	40	65	168	183	1.2
	RVT20SS-D	25	20	40	65	168	183	1.3
	RVT25SS-D	32	25	51	75	200	223	2.1
	RVT32SS-D	38	32	51	75	200	223	2.2
	RVT40SS-D	45	40	60	95	246	290	3.8
	RVT50SS-D	57	50	64	95	246	290	4.0
	RVT65SS-D	76	65	75	105	265	300	7.2
	RVT80SS-D	89	80	80	115	305	345	8.3

RRY15-80SS-D 不锈钢直通调节阀

RRY 15-80SS-D Stainless steel straight-through control valve

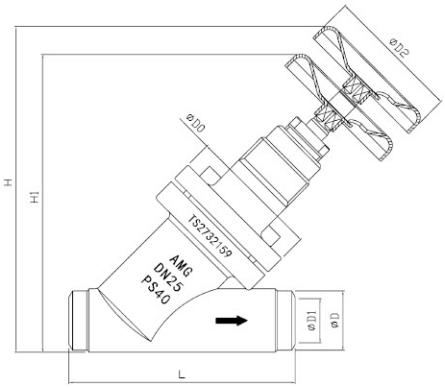
技术参数 Technical parameters

公称压力：4.0MPa
Nominal pressure: 4.0MPa

试验压力：6.0MPa
Test pressure: 6.0MPa

适用温度：-101℃~+150℃
Applicable temperature: -101℃~+150℃

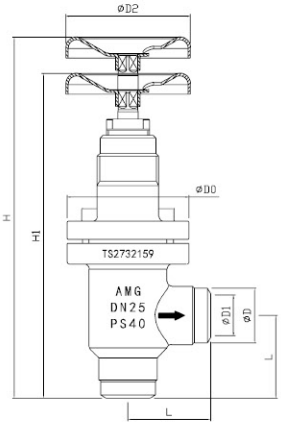
适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.



名称 Name	型号 Type	尺寸(mm) Size(mm)						重量(Kg) Weight
		ϕ D	ϕ D1	L	ϕ D0	H1	H	
直通调节阀 Straight-through regulatingvalve	RRY15SS-D	21	15	106	65	137	147	1.4
	RRY20SS-D	25	20	106	65	140	150	1.5
	RRY25SS-D	32	25	128	75	170	186	2.5
	RRY32SS-D	38	32	128	75	174	190	2.5
	RRY40SS-D	45	40	165	95	218	250	4.4
	RRY50SS-D	57	50	165	95	225	258	4.8
	RRY65SS-D	76	65	195	105	270	305	9.3
	RRY80SS-D	89	80	212	115	305	350	11.1

RRT15-80SS-D 不锈钢直角调节阀

RRT 15-80SS-D Stainless steel right-angle control valve



名称 Name	型号 Type	尺寸(mm) Size(mm)						重量(Kg) Weight
		ϕ D	ϕ D1	L	ϕ D0	H1	H	
直角调节阀 Right-angle regulating valve	RRT15SS-D	21	15	40	65	168	183	1.2
	RRT20SS-D	25	20	40	65	168	183	1.3
	RRT25SS-D	32	25	51	75	200	223	2.2
	RRT32SS-D	38	32	51	75	200	223	2.3
	RRT40SS-D	45	40	60	95	246	290	4.1
	RRT50SS-D	57	50	64	95	246	290	4.2
	RRT65SS-D	76	65	75	105	265	300	7.7
	RRT80SS-D	89	80	80	115	305	345	9.1

不锈钢RCY/RCT-SS止回阀
Stainless steel RCY/RCT-SS check valve

RCY15-80SS-D不锈钢直通止回阀
RCY15-80SS-D Stainless steel straight-through check valve

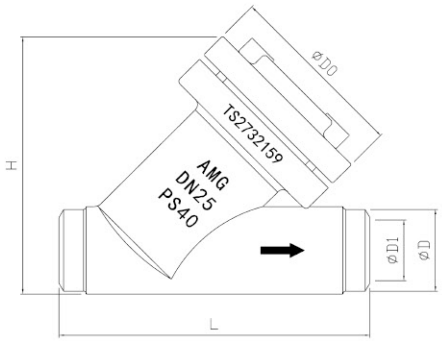
技术参数 Technical parameters

公称压力：4.0MPa
Nominal pressure: 4.0MPa

试验压力：6.0MPa
Test pressure: 6.0MPa

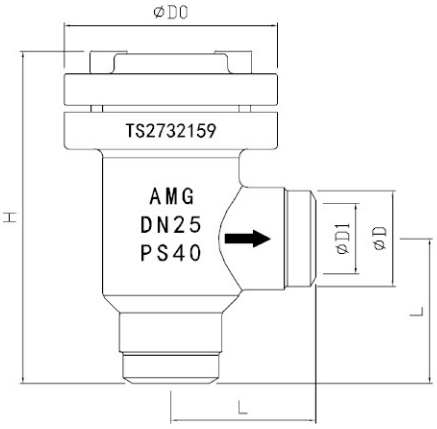
适用温度：−101℃~+150℃
Applicable temperature: −101℃~+150℃

适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.



名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕD	ϕD1	L	ϕD0	H	
直通 止回阀 Straight-through check valve	RCY15SS-D	21	15	106	65	87	1.1
	RCY20SS-D	25	20	106	65	89	1.2
	RCY25SS-D	32	25	128	75	106	1.9
	RCY32SS-D	38	32	128	75	110	2.0
	RCY40SS-D	45	40	165	95	140	3.8
	RCY50SS-D	57	50	165	95	146	4.2
	RCY65SS-D	76	65	195	105	175	7.1
	RCY80SS-D	89	80	212	115	193	8.4

RCT15-80SS-D不锈钢直角止回阀
RCT 15-80SS-D Stainless steel right-angle check valve



名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕD	ϕD1	L	ϕD0	H	
直角 止回阀 Right-angle check valve	RCT15SS-D	21	15	40	65	100	1.0
	RCT20SS-D	25	20	40	65	100	1.1
	RCT25SS-D	32	25	51	75	116	1.6
	RCT32SS-D	38	32	51	75	116	1.7
	RCT40SS-D	45	40	60	95	150	3.2
	RCT50SS-D	57	50	60	95	150	3.6
	RCT65SS-D	76	65	75	105	160	5.6
	RCT80SS-D	89	80	80	115	173	6.3

VCY15-80SS-D不锈钢直通截止止回阀
VCY15-80-D Stainless steel straight-through stop check valve

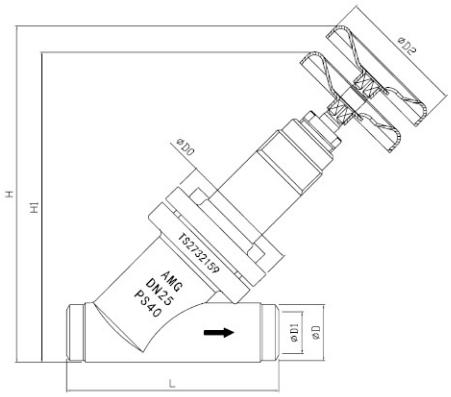
技术参数 Technical parameters

公称压力：4.0MPa
Nominal pressure: 4.0MPa

试验压力：6.0MPa
Test pressure: 6.0MPa

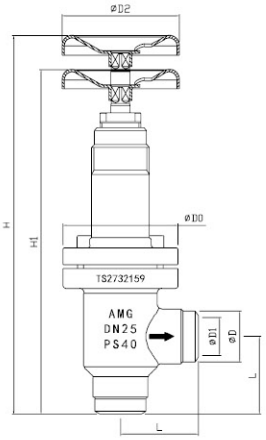
适用温度：−101℃~+150℃
Applicable temperature: −101℃~+150℃

适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.



名称 Name	型号 Type	尺寸(mm) Size(mm)						重量(Kg) Weight
		ϕ D	ϕ D1	L	ϕ D0	H1	H	
直通 截止止回阀 Straight-through stop check valve	VCY15SS-D	21	15	106	65	150	165	1.5
	VCY20SS-D	25	20	106	65	155	170	1.6
	VCY25SS-D	32	25	128	75	190	207	2.4
	VCY32SS-D	38	32	128	75	193	210	2.8
	VCY40SS-D	45	40	165	95	237	264	4.8
	VCY50SS-D	57	50	165	95	243	270	5.0
	VCY65SS-D	76	65	195	105	307	340	8.7
	VCY80SS-D	89	80	212	115	326	365	10.0

VCT15-80SS-D不锈钢直角截止止回阀
VCT15-80-D Stainless steel right-angle stop check valve



名称 Name	型号 Type	尺寸(mm) Size(mm)						重量(Kg) Weight
		ϕ D	ϕ D1	L	ϕ D0	H1	H	
直角 截止止回阀 Right-angle stop check valve	VCT15SS-D	21	15	40	65	190	210	1.3
	VCT20SS-D	25	20	40	65	190	210	1.4
	VCT25SS-D	32	25	51	75	227	253	2.4
	VCT32SS-D	38	32	51	75	227	253	2.5
	VCT40SS-D	45	40	60	95	276	313	4.2
	VCT50SS-D	57	50	64	95	276	313	4.3
	VCT65SS-D	76	65	75	105	316	362	7.4
	VCT80SS-D	89	80	80	115	335	386	8.2

RVY4-10-D锻钢直通截止阀
RRY4-10-D锻钢直通调节截止阀

RVY4-10-D Forged steel straight-through stop valve
RRY4-10-D Forged steel straight-through stop and control valve

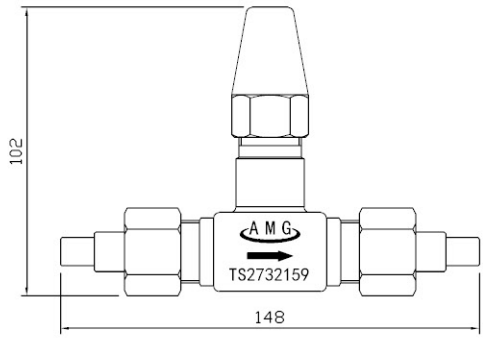
技术参数 Technical parameters

公称压力：4.0MPa
Nominal pressure: 4.0MPa

试验压力：6.0MPa
Test pressure: 6.0MPa

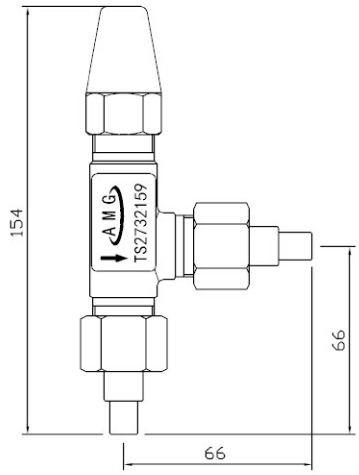
适用温度：−50℃~+150℃
Applicable temperature: −50℃ ~ +150℃

适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.



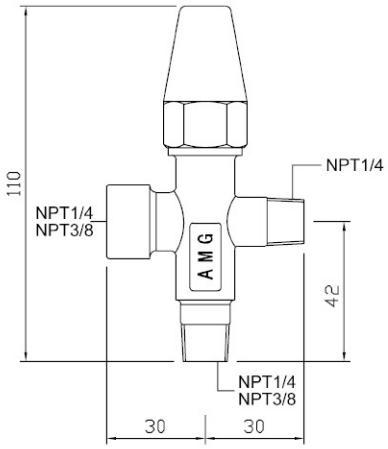
RVT4-10-D锻钢直角截止阀
RRT4-10-D锻钢直角调节截止阀

RVT4-10-D Forged steel right-angle stop valve
RRT4-10-D Forged steel right-angle stop and control valve



TH4-10三通截止阀

TH4-10 Three-way stop valve



RVY6-10直通压力表阀
RVY6-10 Straight-through pressure gauge valve

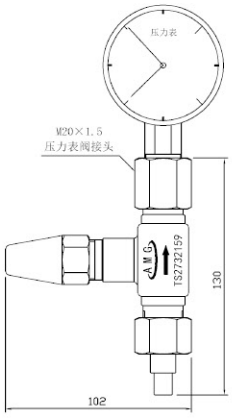
技术参数 Technical parameters

公称压力：4.0MPa
Nominal pressure: 4.0MPa

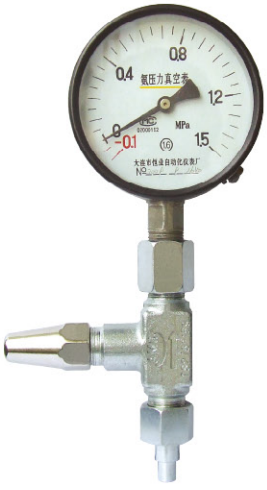
试验压力：6.0MPa
Test pressure: 6.0MPa

适用温度：−50℃~+150℃
Applicable temperature: −50℃ ~ +150℃

适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.

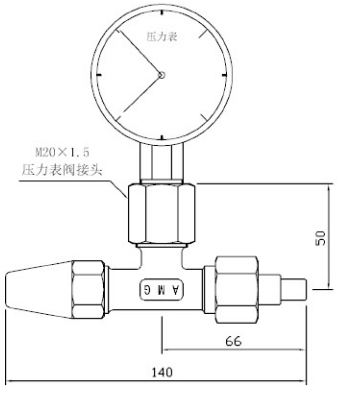


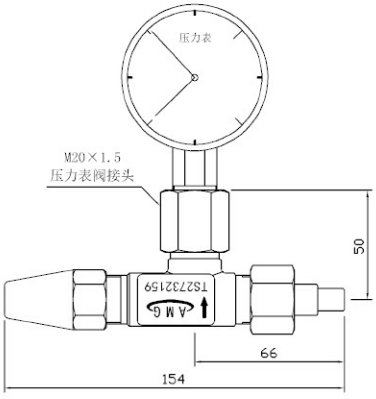
螺纹式表阀



焊接式表阀

RVT6-10直角压力表阀
RVT6-10 Right-angle pressure gauge valve





螺纹式表阀

焊接式表阀

RVT4-10多种接口小规格截止阀、调节截止阀

RVT4-10 Small size stop valves with various port connections

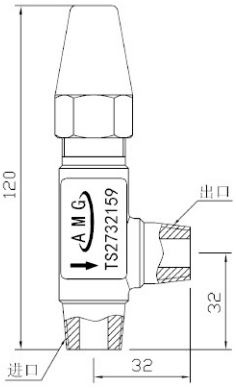
技术参数 Technical parameters

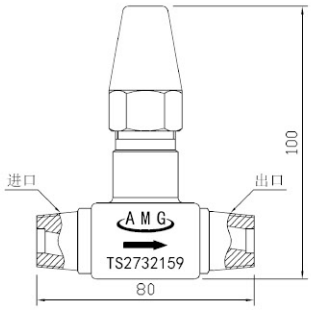
公称压力：4.0MPa
Nominal pressure: 4.0MPa

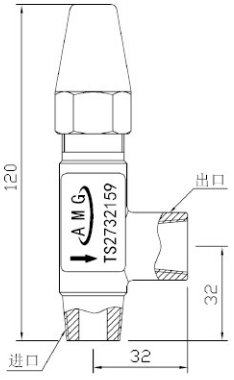
试验压力：6.0MPa
Test pressure: 6.0MPa

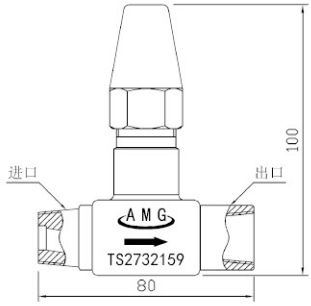
适用温度：−50℃~+150℃
Applicable temperature: −50℃ ~ +150℃

适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.









AMG编号 (NO.AMG)	进口(竖接口) import(Vertical interface)	出口(横接口) export(Horizontal interface)	备注:角阀 Remarks:Angle valves
AMG01	1/4 "	1/4 "	螺纹为外螺纹 R Threads are male threads R
AMG02	3/8 "	3/8 "	
AMG03	1/2 "	1/2 "	
AMG04	1/4 "	1/4 "	螺纹为外螺纹 MPT Threads are male threads MPT
AMG05	3/8 "	3/8 "	
AMG06	1/2 "	1/2 "	
AMG07	1/4 "	1/4 "	竖接口为外螺纹 R 横接口为内螺纹 Rc Vertical port connection is male threaded R Horizontal port connection is female threaded RC
AMG08	3/8 "	3/8 "	
AMG09	1/2 "	1/2 "	
AMG10	1/4 "	1/4 "	竖接口为外螺纹 MPT 横接口为内螺纹 FPT Vertical port connection is female threaded MPT Horizontal port connection is male threaded FPT
AMG11	3/8 "	3/8 "	
AMG12	1/2 "	1/2 "	

AMG编号 (NO.AMG)	进口(竖接口) import(Vertical interface)	出口(横接口) export(Horizontal interface)	备注:直通阀 Remarks:Pass valves
AMG13	1/4 "	1/4 "	螺纹为外螺纹 R Threads are male threads R
AMG14	3/8 "	3/8 "	
AMG15	1/2 "	1/2 "	
AMG16	1/4 "	1/4 "	螺纹为外螺纹 MPT Threads are male threads MPT
AMG17	3/8 "	3/8 "	
AMG18	1/2 "	1/2 "	
AMG19	1/4 "	1/4 "	竖接口为外螺纹 R 横接口为内螺纹 Rc Vertical port connection is male threaded R Horizontal port connection is female threaded RC
AMG20	3/8 "	3/8 "	
AMG21	1/2 "	1/2 "	
AMG22	1/4 "	1/4 "	竖接口为外螺纹 MPT 横接口为内螺纹 FPT Vertical port connection is female threaded MPT Horizontal port connection is male threaded FPT
AMG23	3/8 "	3/8 "	
AMG24	1/2 "	1/2 "	

DN15-25截止过滤一体阀
DN15-25 Cut-off filter integral valve

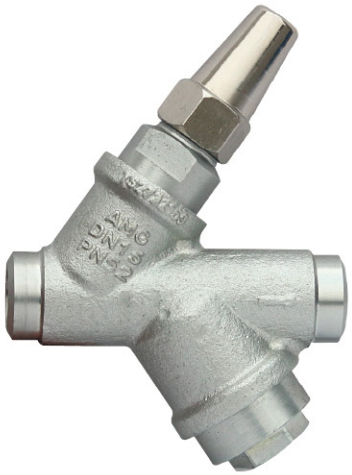
技术参数 Technical parameters

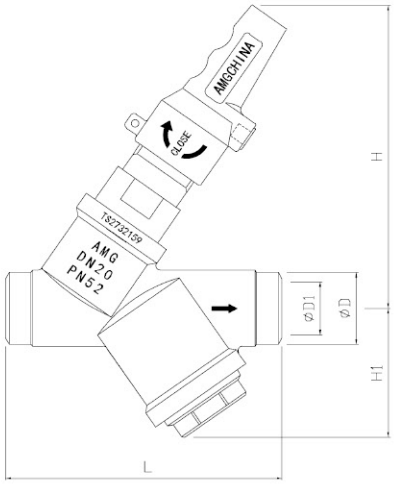
公称压力：4.0MPa
Nominal pressure: 4.0MPa

适用温度：−50℃~+150℃
Applicable temperature: −50℃ ~ +150℃

试验压力：6.0MPa
Test pressure: 6.0MPa

适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.

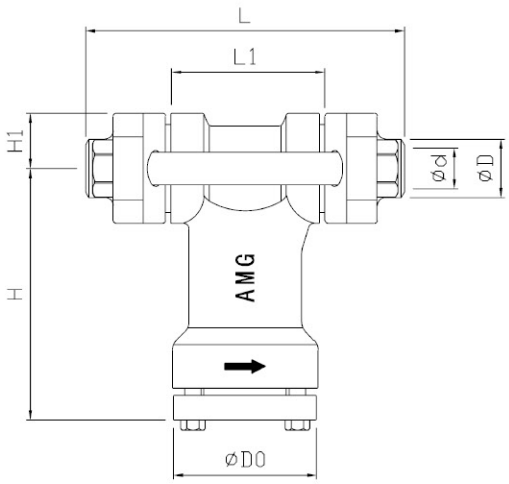




名称 Name	型号 Type	尺寸(mm) Size(mm)					重量(Kg) Weight
		ϕD	ϕD1	L	H	H1	
截止过滤一体阀 Cut-off filter integral valve	JGY15-D	21	15	102	90	50	
	JGY20-D	28	20	110	125	50	
	JGY25-D	34	25	130	140	60	

AFA15-25过滤器
AFA15-25 filter

■ AFA型过滤器与VMP及AEVRA型电磁阀直接安装（参见P5页）



名称 Name	型号 Type	尺寸(mm) Size(mm)							重量(Kg) Weight
		ϕD	ϕd	L1	L	H	H1	ϕD0	
直通过滤器 Straight-through filter	AFA10	14	10	56	115	90	20	53	
	AFA15	21	15	56	115	90	20	53	
	AFA20	27	20	75	140	100	25	59	
	AFA25	34	25	75	140	100	25	59	

RVT6-10-RK卡套直角截止阀
RRT6-10-RK卡套直角调节阀

RVT6-10-RK Card sleeve right-angle stop valve
RRT6-10-RK Card sleeve right-angle and control valve

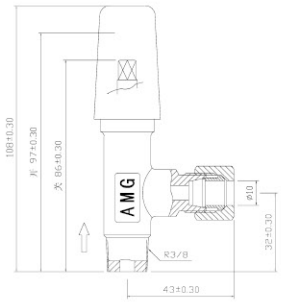
技术参数 Technical parameters

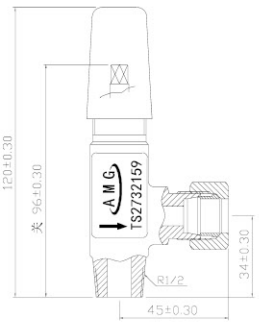
公称压力：4.0MPa
Nominal pressure: 4.0MPa

适用温度：−50℃~+150℃
Applicable temperature: −50℃ ~ +150℃

试验压力：6.0MPa
Test pressure: 6.0MPa

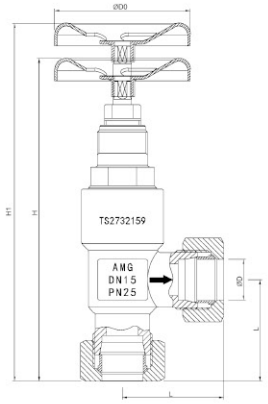
适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.

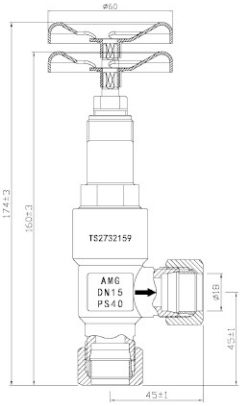




RVT/RRT15-20-K卡套直角截止阀/调节阀
VCT15-20-K卡套直角截止止回阀

RVT/RRT15-20-K Card sleeve right-angle stop valve/control valve
VCT15-20-K Card sleeve right-angle stop check valve





名称 Name	型号 Type	尺寸(mm) Size(mm)					重量 (Kg) Weight
		ϕD	ϕD0	L	H	H1	
直角截止阀/节流阀 Right Angle Globe valve/ throttle valve	RVT/RRT6-RK	R3/8	10	92	100		
	RVT/RRT10-RK	R1/2	14	92	100		
	RVT/RRT15-K	18	18	108	120	130	
	RVT/RRT20-K	25	25	146	135	145	
直角截止止回阀 right angle stop check valve	VCT15-K	18	18	108	160	175	
	VCT20-K	25	25	146	205	225	

RVY6-10-RK卡套直通截止阀
RRY6-10-RK卡套直通调节阀

RVY6-10-RK Card sleeve straight-through stop valve
RRY6-10-RK Card sleeve straight-through and control valve

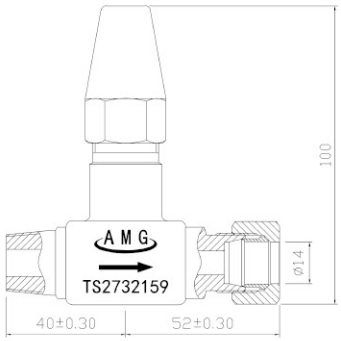
技术参数 Technical parameters

公称压力：4.0MPa
Nominal pressure: 4.0MPa

适用温度：−50℃~+150℃
Applicable temperature: −50℃ ~ +150℃

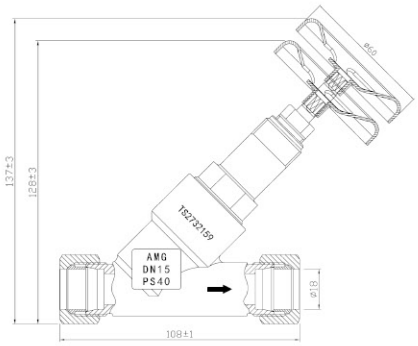
试验压力：6.0MPa
Test pressure: 6.0MPa

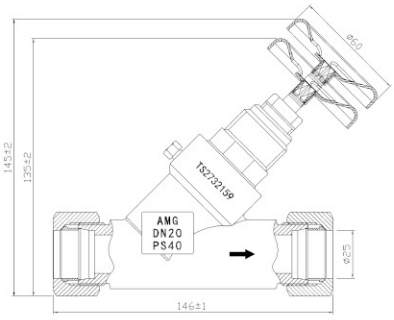
适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.

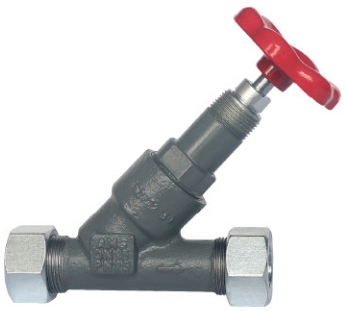


RVY15-20-K卡套直通截止阀/调节阀
VCY15-20-K卡套直通截止止回阀

RVY15-20-K Card sleeve straight-through stop valve/control valve
VCY15-20-K Card sleeve straight-through stop check valve







名称 Name	型号 Type	尺寸(mm) Size(mm)					重量 (Kg) Weight
		ϕD	ϕD0	L	H	H1	
直通截止阀/节流阀 straight-through Globe valve/ throttle valve	RVY/RRY6-RK	R3/8	10	92	100		
	RVY/RRY10-RK	R1/2	14	92	100		
	RVY/RRY15-K	18	18	108	120	130	
	RVY/RRY20-K	25	25	146	135	145	
直通截止止回阀 straight-through stop check valve	VCY15-K	18	18	108	128	137	
	VCY20-K	25	25	146	160	173	

法兰连接全启式安全阀
Flange connection full lift safety valve

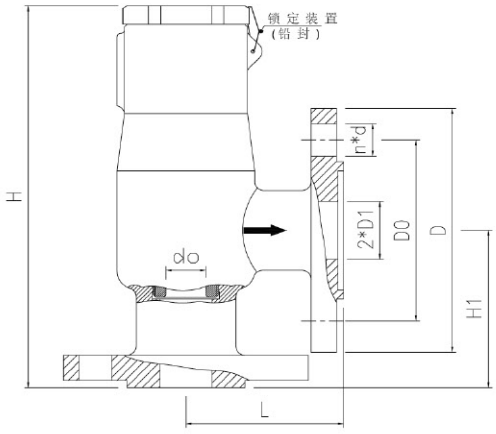
技术参数 Technical parameters

公称压力：2.5MPa
Nominal pressure: 2.5MPa

试验压力：3.75MPa
Test pressure: 3.75MPa

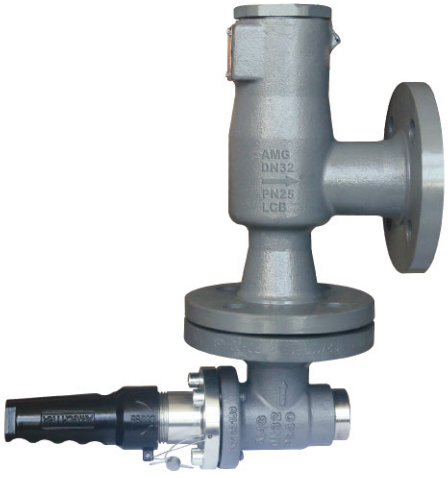
适用温度：−50℃~+150℃
Applicable temperature: −50℃~+150℃

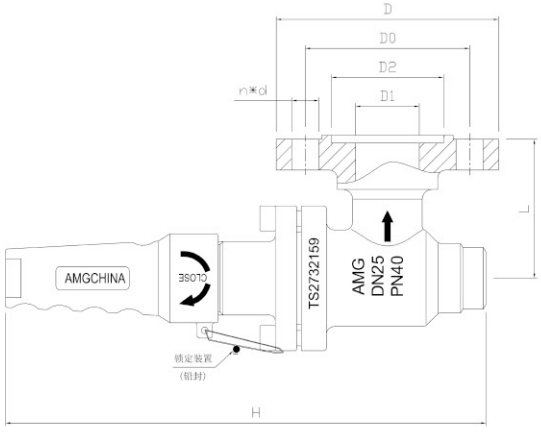
适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.



阀门型号 Valve Type	公称通径 DN	H1	H	L	D	D0	d0	D1	nxd	重量 kg
		mm								
A42F-25	15	81	167	66	95	65	12	22	4X14	
	20	81	167	66	105	75	12	22	4X14	
	25	82	183	86	115	85	18	30	4X14	
	32	95	219	95	135	100	22	38	4X18	
	50	111	287	95	135	100	34	45	4X18	

锁闭截止阀
Locking stop valve





阀门型号 Valve Type	公称通径 DN	H	L	D	D0	D1	D2	nxd	重量 kg
		mm							
J64-25S	15	190	57.3	95	65	22.5	40	4X14	2.2
	20	190	61.2	105	75	27.5	51	4X14	2.5
	25	226	73	115	85	34.5	58	4X14	3.5
	32	226	75	140	100	41.5	66	4X18	4.1
	40	295	86	150	110	43.5	76	4X18	6.1
	50	295	88.1	165	125	61.5	88	4X18	7

A22F-25 外螺纹连接全启式安全阀
A12F-25 内螺纹连接全启式安全阀

A22f-25 full lift safety valve with external thread connection
A12f-25 full lift safety valve with internal thread connection

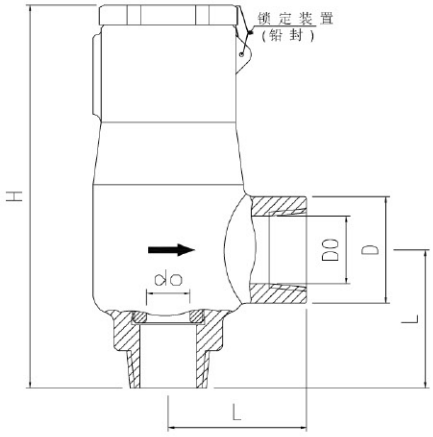
技术参数 Technical parameters

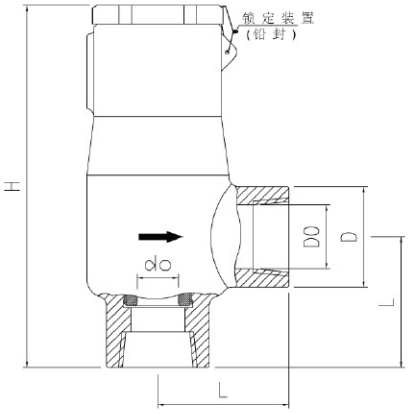
公称压力：2.5MPa
Nominal pressure: 2.5MPa

试验压力：3.75MPa
Test pressure: 3.75MPa

适用温度：−50℃~+150℃
Applicable temperature: −50℃~+150℃

适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.





阀门型号 Valve Type	公称通径 DN	H	L	D	DO	d0	重量 kg
		mm					
A22F-25 A12F-25	15	135	50	35	18	12	
	20	135	50	35	22	12	
	25	160	60	45	27	18	
	32	195	70	55	35	22	
	40	255	80	65	42	34	

LST15-32三通切换阀

LST15-32 Three way switching valve

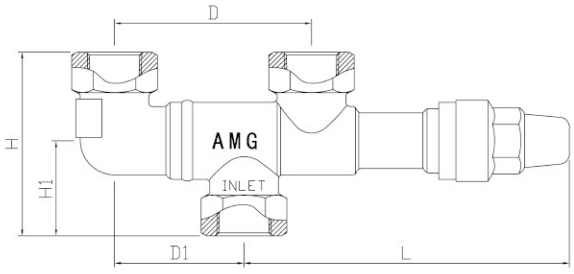
技术参数 Technical parameters

公称压力：2.5MPa
Nominal pressure: 2.5MPa

试验压力：4.0MPa
Test pressure: 4.0MPa

适用温度：−45℃~ +150℃
Applicable temperature: −45℃ ~ +150℃

适用介质：氨、氟、丙烷、丙烯等。
Applicable medium: ammonia, fluorine, propane, propylene, etc.



名称 Name	型号 Type	尺寸(mm) Size(mm)						
		进口连接尺寸	出口连接尺寸	H	H1	L	D	D1
三通切换阀 Three way switching valve	LST15	1/2"-FPT	1/2"-FPT	86	44.5	152.5	92	60.5
	LST20	3/4"-FPT	3/4"-FPT	86	44.5	152.5	92	60.5
	LST25	1"-FPT	1"-FPT	102	51	203	150	95
	LST32	1-1/4"-FPT	1-1/4"-FPT	102	51	203	150	95

埃姆基工业制冷阀门

AMG REFRIGERATION VALVES

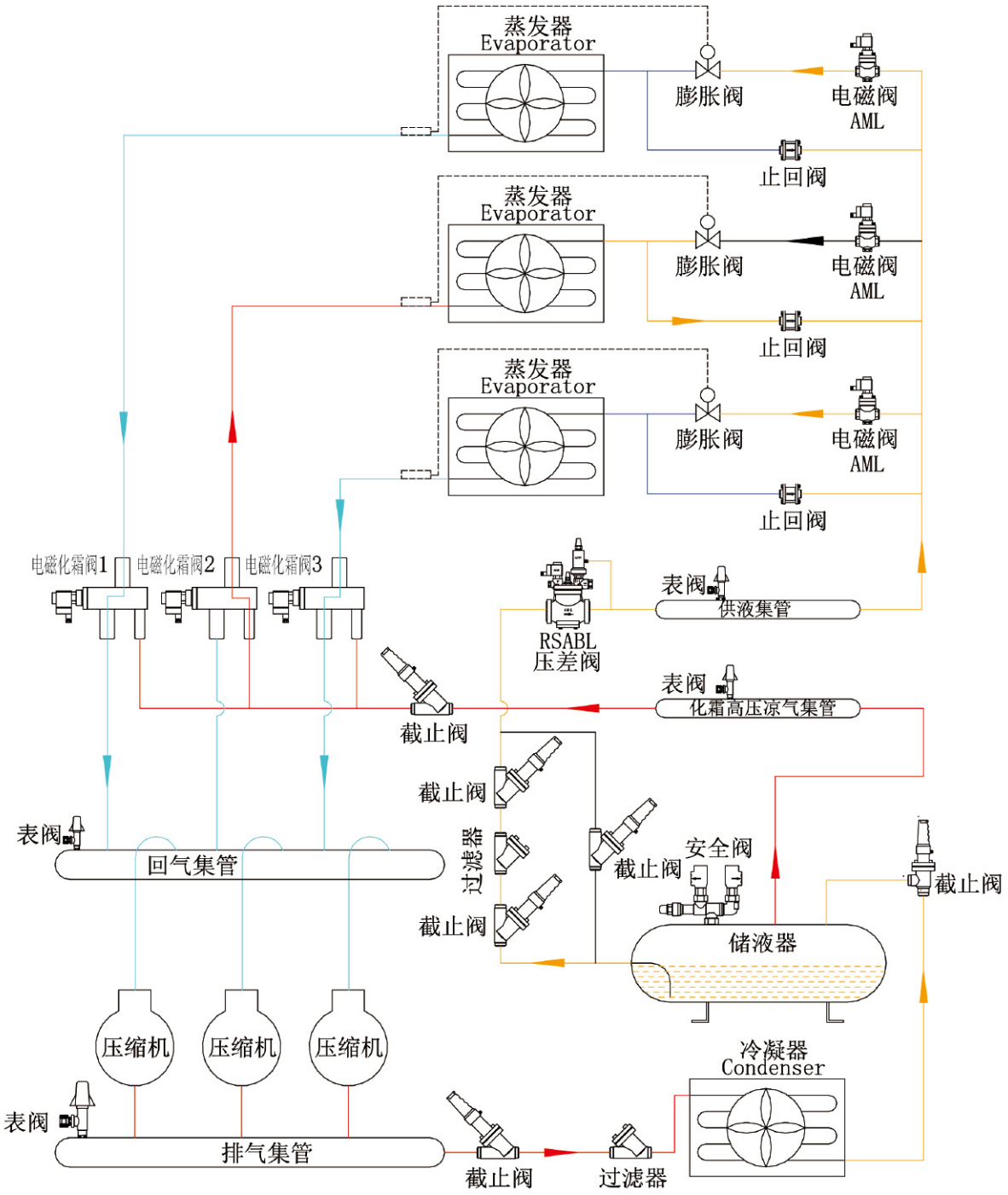
Refrigeration Valve

技 术 文 档

TECHNICAL DOCUMUNTION

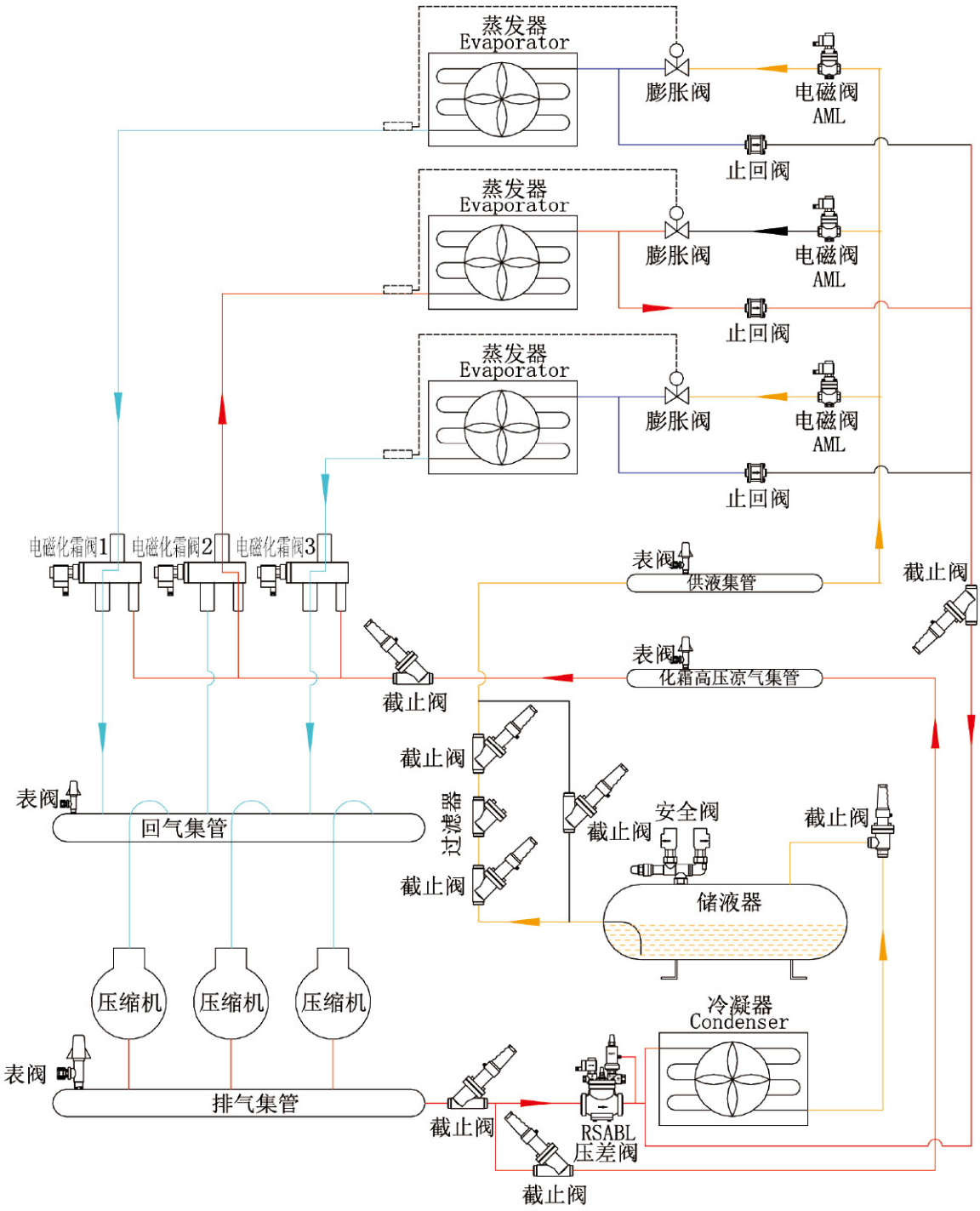
储液器热气化霜，泰勒循环

DEFROST FOR HOT GAS FROM THE RECEVER, TYLER METHOD



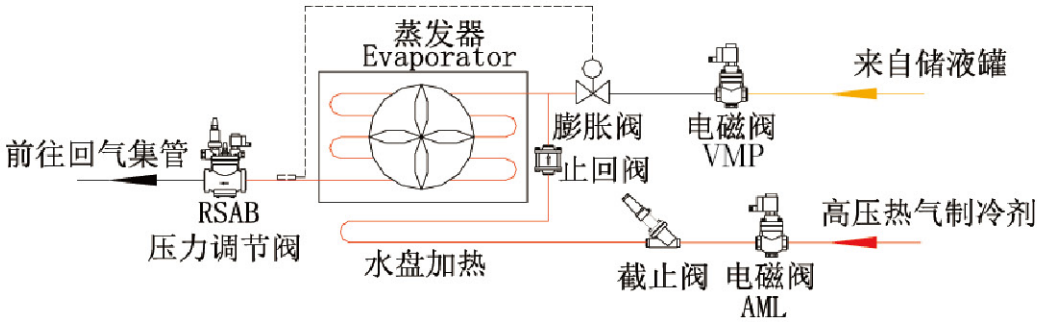
压缩机排气热气化霜

DEFROST FOR HOT GAS FROM COMPRESDR DISCHARGE



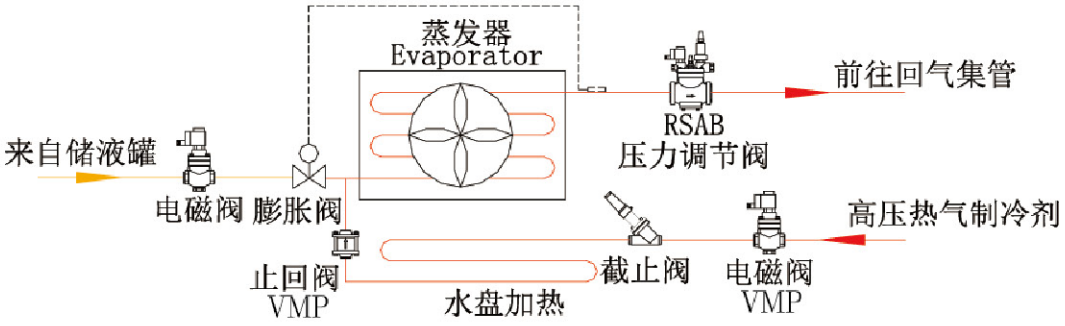
直接膨胀 热气从蒸发器上部进入化霜

DIRECT EXPANSION HOT GAS ENTERS DEFROSTING FROM THE UPPER PART OF EVAPORATOR



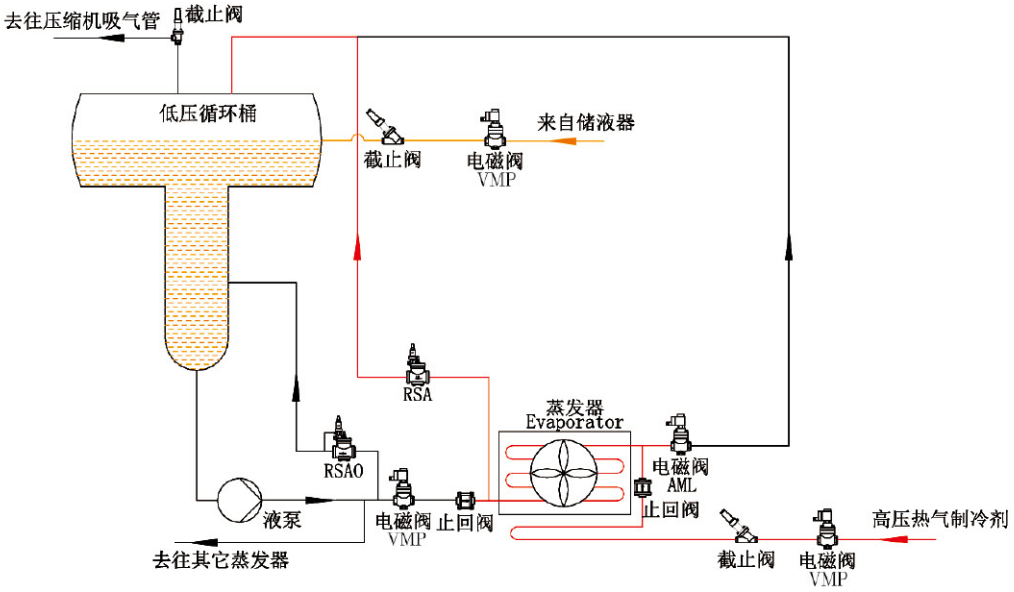
直接膨胀 热气从蒸发器下部进入化霜

DIRECT EXPANSION HOT GAS ENTERS INTO DEFROSTING FROM THE LOWER PART OF EVAPORATOR



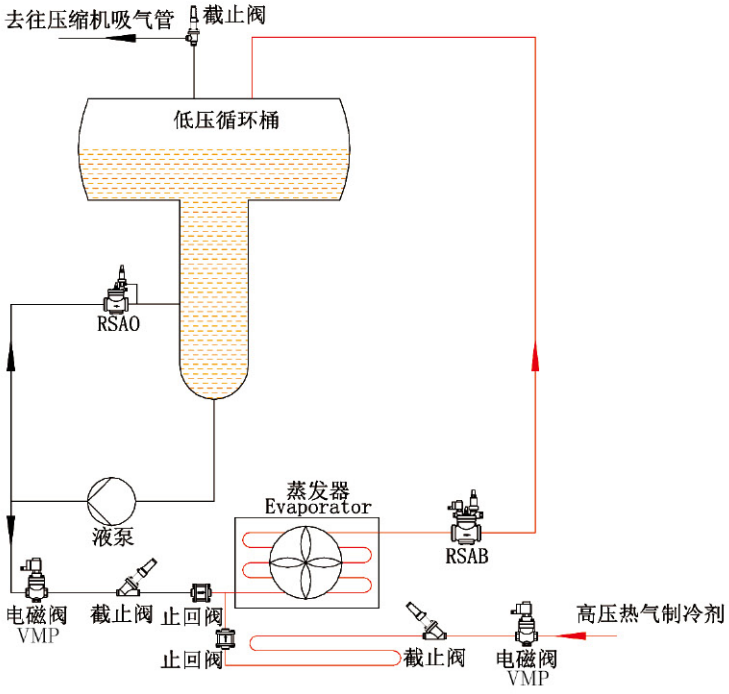
泵循环化霜　热气从蒸发器上部进入

PUMP CIRCULATING DEFROSTING HOT GAS ENTERS FROM THE UPPER PART OF THE EVAPORATOR

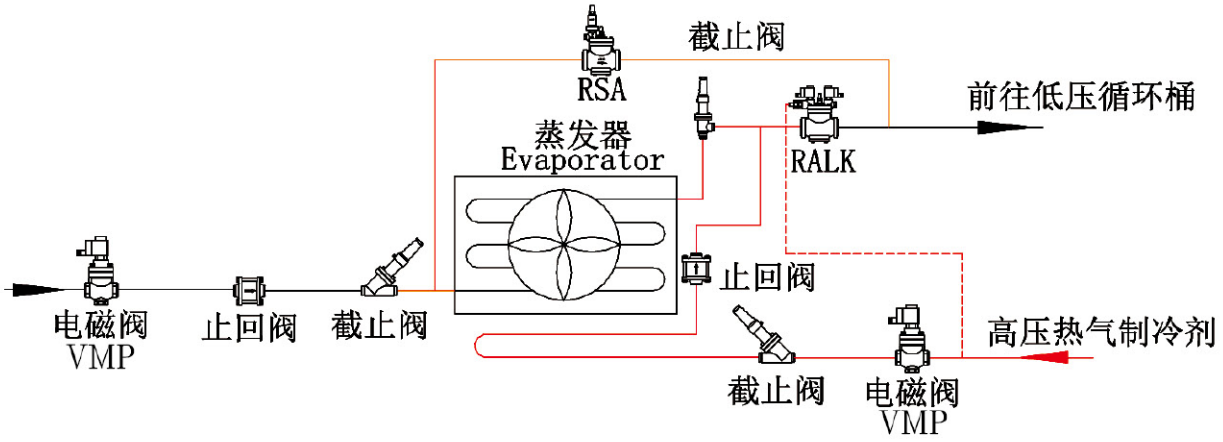


泵循环化霜　热气从蒸发器下部进入

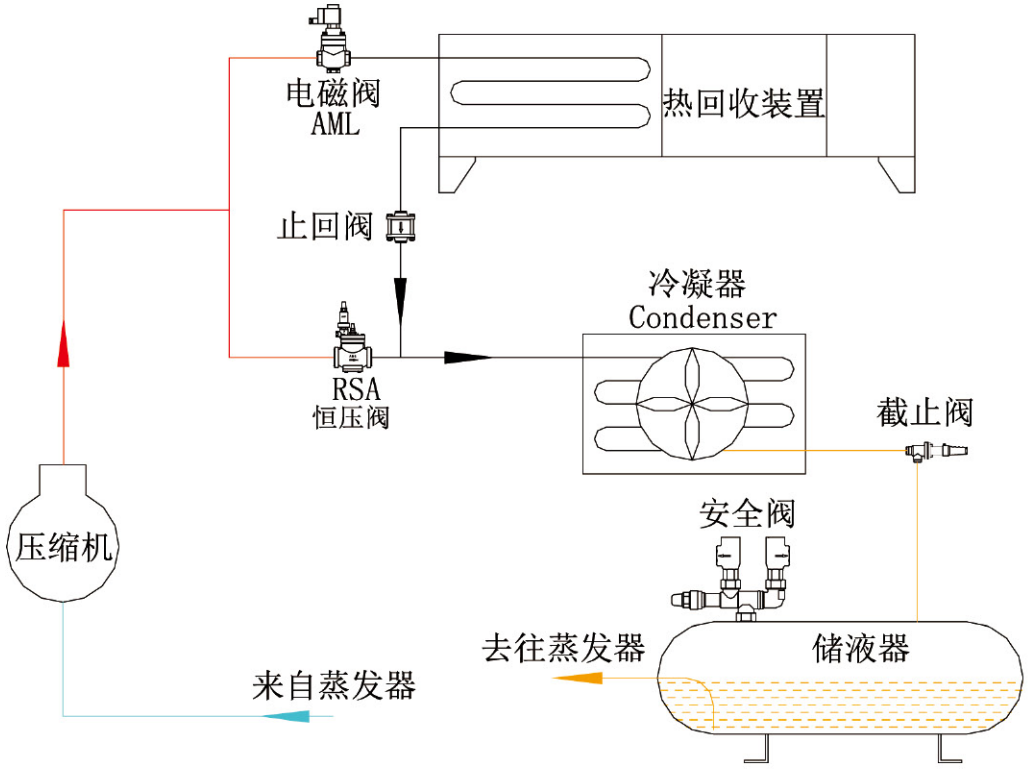
PUMP CIRCULATING DEFROSTING HOT GAS ENTERS FROM THE LOWER PART OF THE EVAPORATOR



低温速冻隧道热气化霜
HOT GAS DEFROST ON LOW TEMPERATURE TUNNELS

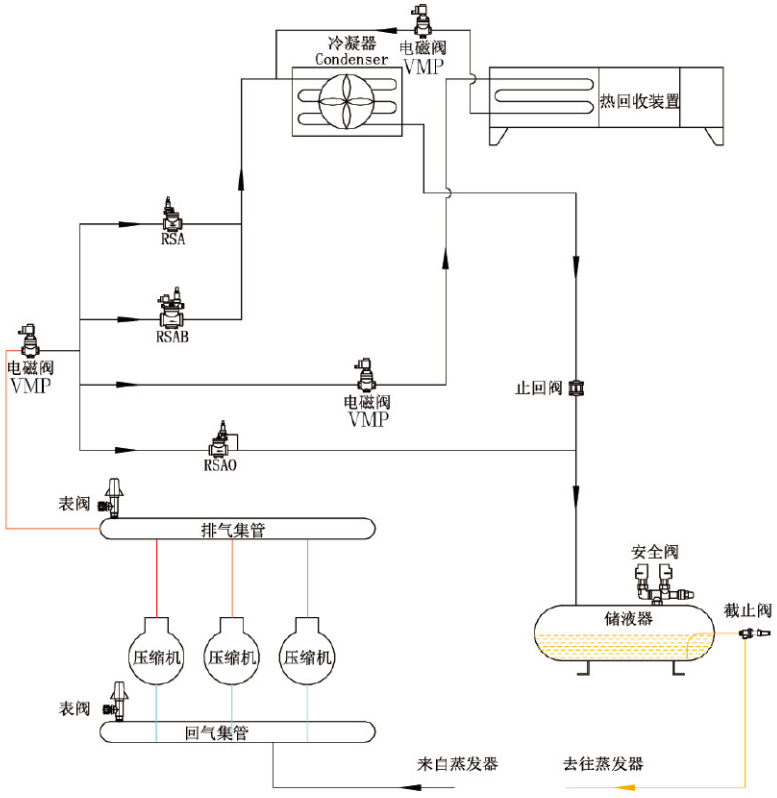


热回收系统 方法1
HEAT RECOVERY SYSTEMS METHOD 1



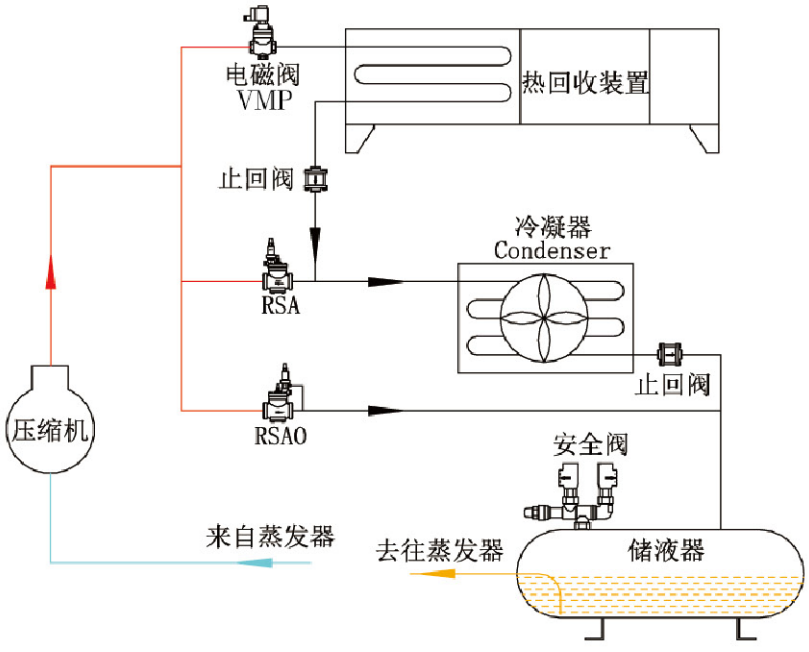
热回收系统 方法2 使用冷凝器热量采暖

Heat recovery system method 2 heating with condenser



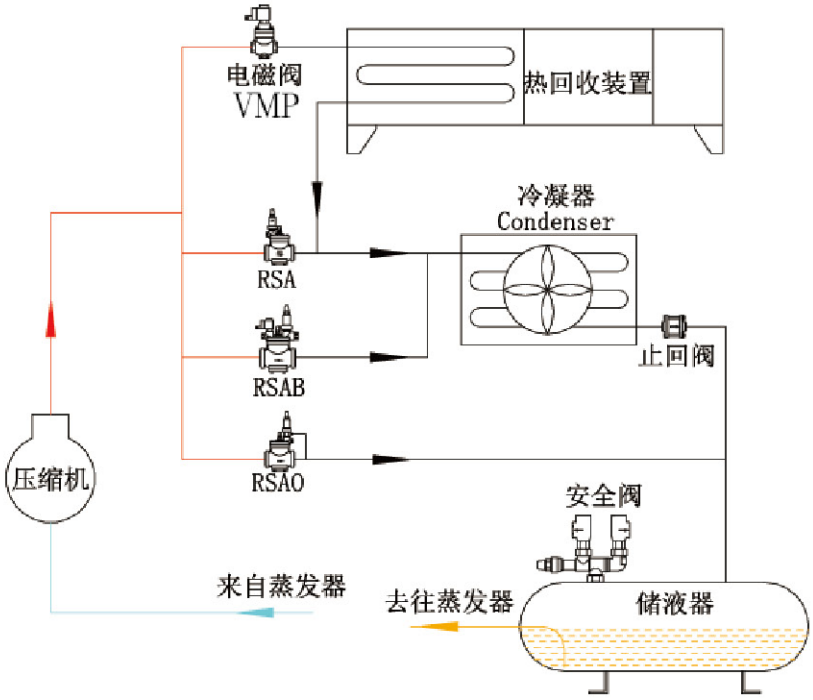
热回收系统 方法3 控制外部环境温度

Heat recovery system method 3 control of external ambient temperature



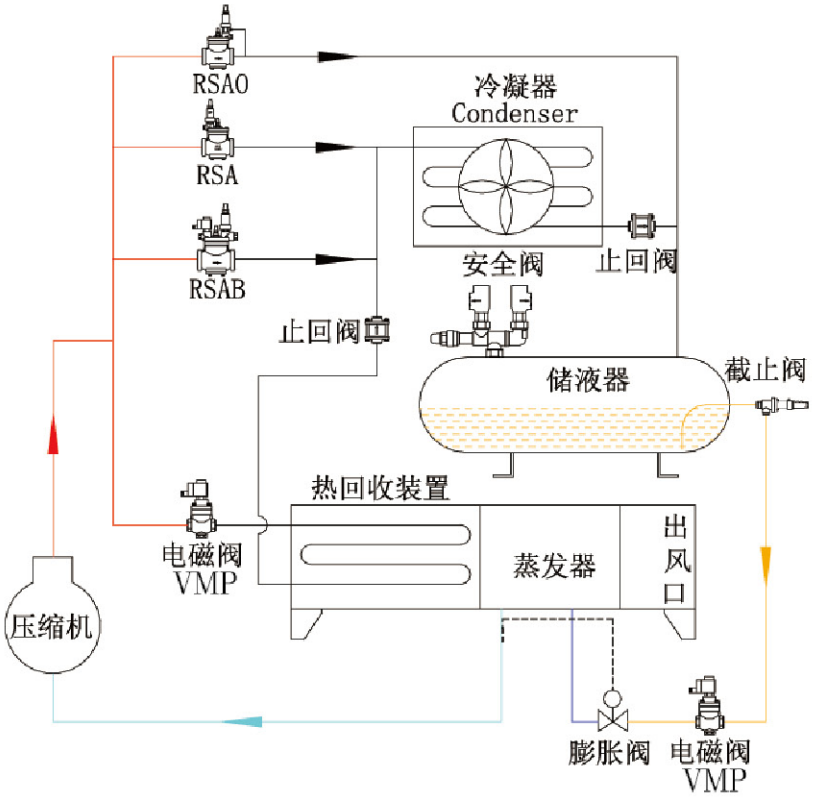
热回收系统 方法4 高温度回收热并且冷凝到正常温度

Heat recovery system method 4 high temperature recovery and condensation to normal temperature



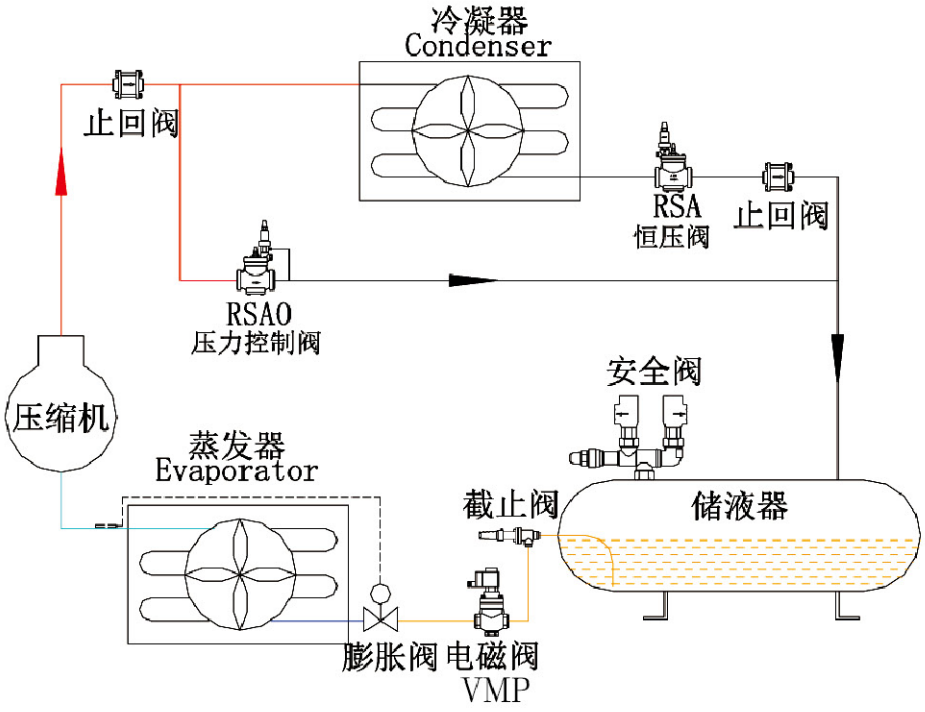
热回收系统 方法 5 需要大量热量的干燥间的热回收

Heat recovery system method 5 heat recovery in drying room requiring a large amount of heat



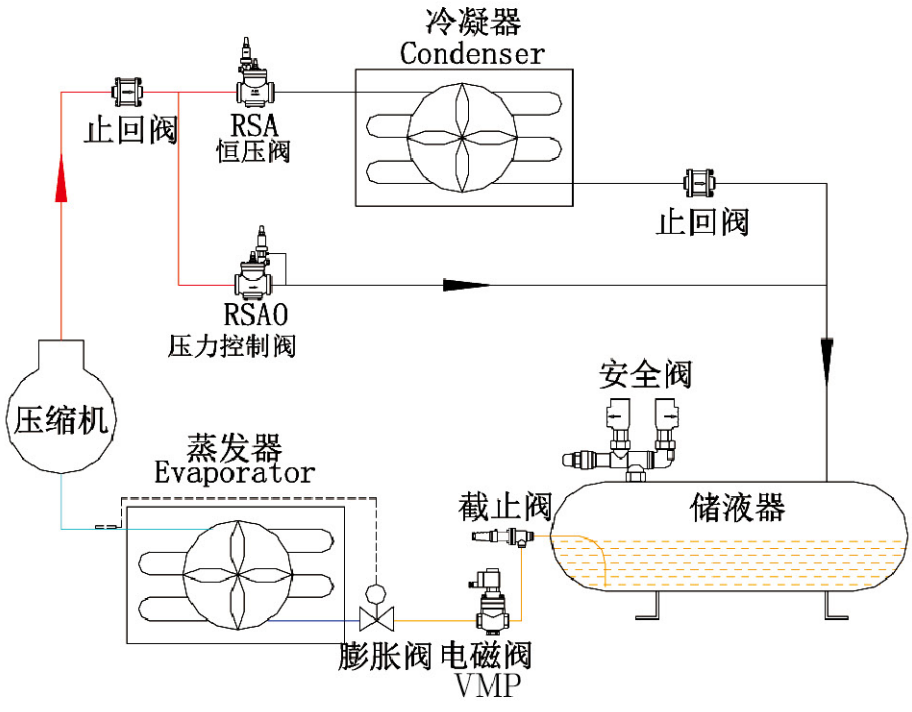
回液管路压力调节

DRAINAGECONTROL IN CONDENSINGLINE



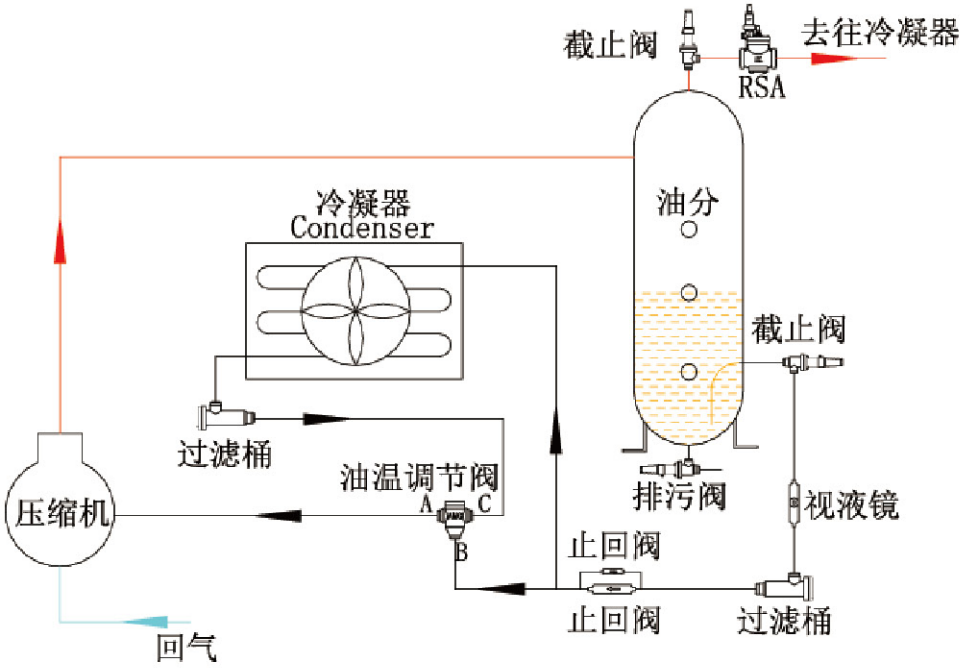
排气管路压力调节

CONTROL OF DISCHARGE PRESSURE



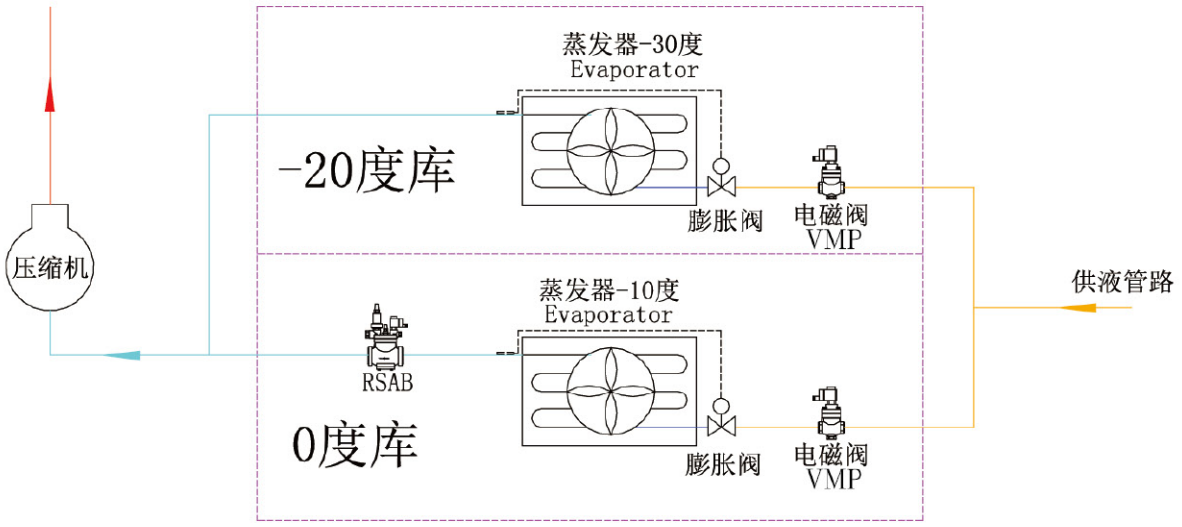
螺杆机无油泵油压稳定调节

OIL PRESSURE CONTROL IN SCREW COMPRESSORS



双温冷库系统吸气压力调节

SUCTION REGULATION,IN COLD-STORAGE ROOMS BI-TEMPERATURE



R-404A 及 R-507A直接膨胀应用
R404A & R-507A APLICATION FOR DIRECT EXPANSION

直铜管等效长度（米）
EQUIVALENT LENGTH IN MTS OF STRAIGHT COPPER PLPE

直径 DIAMETER	直通阀 STRAIGHT VALVES	直角阀 ANGLE VALVES	弯头90° ELBOW 90°	弯头45° ELBOW 45°
1/2”	2,7 m	1,5 m	0,27 m	0,12 m
5/8”	3,6 m	1,8 m	0,30 m	0,45 m
7/8”	4,5 m	2,4 m	0,45 m	0,21 m
1 1/8”	6,6 m	3,6 m	0,54 m	0,27 m
1 3/8”	8,4 m	4,5 m	0,72 m	0,36 m
1 5/8”	10,5 m	5,1 m	0,84 m	0,42 m
2 1/8”	13,5 m	6,6 m	1,17 m	0,54 m
2 5/8”	15,3 m	7,8 m	1,38 m	0,66 m
3 1/8”	19,5 m	10,2 m	1,65 m	0,81 m
3 5/8”	24,0 m	12,0 m	1,95 m	0,90 m

R-404A 及 R-507A直接膨胀应用
R404A & R-507A APLICATION FOR DIRECT EXPANSION

排气铜管直径
DIAMETER OF COPPER PIPE IN DISCHARGE LINE

制冷量 DIAMETER	等效长度（米） EQUIVALENT LENGTH IN MTS			
KW	15MTS	30MTS	45MTS	45MTS
1.8	1/2”	1/2”	1/2”	5/8”
3.5	5/8”	5/8”	5/8”	7/8”
5.2	5/8”	7/8”	7/8”	7/8”
7	7/8”	7/8”	7/8”	7/8”
10.5	7/8”	7/8”	1 1/8”	1 1/8”
14	7/8”	1 1/8”	1 1/8”	1 1/8”
17.5	1 1/8”	1 1/8”	1 1/8”	1 3/8”
22	1 1/8”	1 1/8”	1 3/8”	1 3/8”
29	1 1/8”	1 3/8”	1 3/8”	1 5/8”
44	1 3/8”	1 3/8”	1 5/8”	1 5/8”
58	1 3/8”	1 5/8”	1 5/8”	2 1/8”
87	1 5/8”	2 1/8”	2 1/8”	2 1/8”
116	2 1/8”	2 1/8”	2 1/8”	2 5/8”
145	2 1/8”	2 1/8”	2 5/8”	2 5/8”
175	2 1/8”	2 5/8”	2 5/8”	3 1/8”
220	2 5/8”	2 5/8”	2 5/8”	3 1/8”

以上数据介于压降在0.32–0.65bar，并且流速低于15m/s

R-404A 及 R-507A直接膨胀应用

R404A & R-507A APLICATION FOR DIRECT EXPANSION

供液铜管直径
DIAMETER OF COPPER PIPE IN LIQUID LINE

制冷量 CAPACITY	冷凝器 CONDENSERS	等效长度（米） EQUIVALENT LENGTH IN MTS			
KW	∅	15MTS	30MTS	45MTS	60MTS
1,8	3/8”	1/4”	3/8”	3/8”	3/8”
3,5	1/2”	3/8”	1/2”	1/2”	1/2”
5,2	5/8”	1/2”	1/2”	1/2”	1/2”
7,0	5/8”	1/2”	5/8”	5/8”	5/8”
10,5	7/8”	1/2”	5/8”	5/8”	5/8”
14,0	7/8”	5/8”	5/8” “	5/8”	7/8”
17,5	7/8”	5/8”	7/8”	7/8”	7/8”
22,0	7/8”	5/8”	7/8”	7/8”	7/8”
29,0	1 1/8”	7/8”	7/8”	7/8”	7/8”
44,0	1 3/8”	7/8”	7/8”	1 1/8”	1 1/8”
58,0	1 3/8”	1 1/8”	1 1/8”	1 1/8”	1 1/8”
87,0	1 5/8”	1 3/8”	1 3/8”	1 3/8”	1 3/8”
116,0	1 5/8”	1 3/8”	1 3/8”	1 3/8”	1 3/8”
145,0	2 1/8”	1 3/8”	1 3/8”	1 5/8”	1 5/8”
175,0	2 1/8”	1 5/8”	1 5/8”	1 5/8”	1 5/8”
220,0	2 1/8”	2 1/8”	2 1/8”	2 1/8”	2 1/8”

以上数据介于压降在0.19−0.33bar，过冷液体压降通常是2倍。

并且流速低于15m/s，尤其是当供液管路有电磁阀存在的时候。

如果储液器安装位置比蒸发器低，那么需要考虑每3米的高度差，压降会增加0.32bar.

R-404A 及 R-507A直接膨胀应用

R404A & R-507A APLICATION FOR DIRECT EXPANSION

吸气管路铜管直径
DIAMETER OF COPPER PIPE IN SUCTION

制冷量 CAPACITY	蒸发温度	等效长度（米） EQUIVALENT LENGTH IN MTS							
KW	℃	15 MTS		30 MTS		45 MTS		60 MTS	
		水平	垂直	水平	垂直	水平	垂直	水平	垂直
1.8	- 30° a - 33°	7/8”	7/8”	7/8”	7/8”	7/8”	7/8”	7/8”	7/8”
	- 40°	7/8”	7/8”	1 1/8”	7/8”	1 1/8”	7/8”	1 1/8”	7/8”
3.5	- 30° a - 33°	1 1/8”	1 1/8”	1 1/8”	1 1/8”	1 1/8”	1 1/8”	1 1/8”	1 1/8”
	- 40°	1 1/8”	1 1/8”	1 3/8”	1 1/8”	1 3/8”	1 1/8”	1 3/8”	1 1/8”
5.2	- 30° a - 33°	1 1/8”	1 1/8”	1 3/8”	1 1/8”	1 3/8”	1 1/8”	1 3/8”	1 1/8”
	- 40°	1 3/8”	1 3/8”	1 5/8”	1 3/8”	1 5/8”	1 3/8”	1 5/8”	1 3/8”
7.0	- 30° a - 33°	1 3/8”	1 3/8”	1 3/8”	1 3/8”	1 5/8”	1 3/8”	1 5/8”	1 3/8”
	- 40°	1 3/8”	1 3/8”	1 5/8”	1 3/8”	1 5/8”	1 3/8”	2 1/8”	1 3/8”
10.5	- 30° a - 33°	1 5/8”	1 5/8”	1 5/8”	1 5/8”	1 5/8”	1 5/8”	1 5/8”	1 5/8”
	- 40°	1 5/8”	1 5/8”	2 1/8”	1 5/8”	2 1/8”	1 5/8”	2 1/8”	1 5/8”
14.0	- 30° a - 33°	1 5/8”	1 5/8”	2 1/8”	1 5/8”	2 1/8”	1 5/8”	2 1/8”	1 5/8”
	- 40°	2 1/8”	1 5/8”	2 1/8”	2 1/8”	2 5/8”	2 1/8”	2 5/8”	2 1/8”
17.5	- 30° a - 33°	1 5/8”	1 5/8”	2 1/8”	1 5/8”	2 1/8”	1 5/8”	2 5/8”	1 5/8”
	- 40°	2 1/8”	1 5/8”	2 1/8”	2 1/8”	2 5/8”	2 1/8”	2 5/8”	2 1/8”
22.0	- 30° a - 33°	2 1/8”	1 5/8”	2 5/8”	1 5/8”	2 5/8”	1 5/8”	2 5/8”	1 5/8”
	- 40°	2 1/8”	2 1/8”	2 5/8”	2 1/8”	2 5/8”	2 1/8”	2 5/8”	2 1/8”
29.0	- 30° a - 33°	2 1/8”	2 1/8”	2 5/8”	2 1/8”	2 5/8”	2 1/8”	2 5/8”	2 1/8”
	- 40°	2 1/8”	2 1/8”	2 5/8”	2 1/8”	3 1/8”	2 1/8”	3 1/8”	2 1/8”
44.0	- 30° a - 33°	2 1/8”	2 5/8”	2 1/8”	2 5/8”	3 1/8”	2 1/8”	3 1/8”	2 5/8”
	- 40°	2 5/8”	2 5/8”	3 1/8”	2 5/8”	3 5/8”	2 5/8”	3 5/8”	2 5/8”
58.0	- 30° a - 33°	2 5/8”	2 1/8”	3 1/8”	2 5/8”	3 1/8”	2 5/8”	3 5/8”	2 5/8”
	- 40°	3 1/8”	3 1/8”	3 5/8”	3 1/8”	3 5/8”	3 1/8”	4 1/8”	3 1/8”
87.0	- 30° a - 33°	3 1/8”	2 5/8”	3 1/8”	3 1/8”	3 5/8”	3 1/8”	4 1/8”	3 1/8”

以上数据介于压降在0.11bar−0.075bar.
水平管内流速必须大于3.5m/s,垂直管内流速必须大于7.5m/s,以保证冷冻油的回流。

R-404A 及 R-507A直接膨胀应用

R404A & R-507A APLICATION FOR DIRECT EXPANSION

吸气管路铜管直径
DIAMETER OF COPPER PIPE IN SUCTION

制冷量 CAPACITY	蒸发温度	等效长度（米） EQUIVALENT LENGTH IN MTS							
KW	˚C	15 MTS		30 MTS		45 MTS		60 MTS	
		水平	垂直	水平	垂直	水平	垂直	水平	垂直
1,8	- 10º a - 13º	5/8”	5/8”	5/8”	5/8”	5/8”	5/8”	5/8”	5/8”
3,5	- 10º a - 13º	7/8”	7/8”	7/8”	7/8”	7/8”	7/8”	7/8”	7/8”
5,2	- 10º a - 13º	7/8”	7/8”	7/8”	7/8”	1 1/8”	7/8”	1 1/8”	7/8”
7,0	- 10º a - 13º	1 1/8”	7/8”	1 1/8”	7/8”	1 1/8”	7/8”	1 1/8”	1 1/8”
10,5	- 10º a - 13º	1 1/8”	1 1/8”	1 3/8”	1 1/8”	1 3/8”	1 1/8”	1 3/8”	1 1/8”
14,0	- 10º a - 13º	1 3/8”	1 3/8”	1 3/8”	1 3/8”	1 3/8”	1 3/8”	1 5/8”	1 3/8”
17,5	- 10º a - 13º	1 3/8”	1 3/8”	1 5/8”	1 3/8”	1 5/8”	1 3/8”	1 5/8”	1 3/8”
22,0	- 10º a - 13º	1 3/8”	1 3/8”	1 5/8”	1 3/8”	1 5/8”	1 3/8”	1 5/8”	1 5/8”
29,0	- 10º a - 13º	1 5/8”	1 5/8”	1 5/8”	1 5/8”	2 1/8”	1 5/8”	2 1/8”	1 5/8”
44,0	- 10º a - 13º	2 1/8”	1 5/8”	2 1/8”	1 5/8”	2 1/8”	1 5/8”	2 1/8”	1 5/8”
58,0	- 10º a - 13º	2 1/8”	2 1/8”	2 5/8”	2 1/8”	2 5/8”	2 1/8	2 5/8”	2 1/8”
87,0	- 10º a - 13º	2 1/8”	2 1/8”	2 5/8”	2 1/8”	3 1/8”	2 1/8”	3 1/8”	2 1/8”
116,0	- 10º a - 13º	2 5/8”	2 5/8”	3 1/8”	2 5/8”	3 1/8”	2 5/8”	3 1/8”	2 5/8”
145,0	- 10º a - 13º	2 5/8”	2 5/8”	3 1/8”	2 5/8”	3 5/8”	2 5/8”	3 5/8”	3 1/8”
175,0	- 10º a - 13º	3 1/8”	3 1/8”	3 5/8”	3 1/8”	3 5/8”	3 1/8”	3 5/8”	3 5/8”
220,0	- 10º a - 13º	3 1/8”	3 1/8”	3 5/8”	3 1/8”	3 5/8”	3 1/8”	4 1/8”	3 5/8”

以上数据介于压降在0.11bar-0.075bar.
水平管内流速必须大于3.5m/s,垂直管内流速必须大于7.5m/s,以保证冷冻油的回流。

电磁阀吸气制冷量KW

SOLENOID VALVES SUCTION VAPOUR CAPACITIES KW

R-717 NH3									
蒸发温度	△p	VMP							
℃	Bar	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
5°	0.2	57	86	152	276	380	665	998	1710
	0.3	70	104	186	336	464	812	1218	2088
0°	0.2	52	77	138	249	344	602	903	1548
	0.3	63	95	168	305	420	735	1103	1890
-10°	0.2	41	62	110	200	276	483	725	1242
	0.3	51	77	136	247	340	595	893	1530
-20°	0.2	33	50	88	160	220	385	578	990
	0.3	40	60	107	194	268	469	704	1206
-30°	0.2	29	44	78	142	196	343	515	882
	0.3	36	54	96	174	240	420	630	1080
-40°	0.2	22	32	58	104	144	252	378	648
	0.3	26	40	70	128	176	308	462	792

R-404A									
蒸发温度	△p	VMP							
℃	Bar	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
5°	0.2	19	29	52	94	129	226	339	581
	0.3	36	54	97	176	242	424	635	1089
0°	0.2	24	36	65	117	162	283	425	728
	0.3	33	49	88	159	219	383	575	985
-10°	0.2	18	27	49	88	122	213	319	547
	0.3	25	37	66	120	165	289	433	743
-20°	0.2	11	16	28	51	70	123	185	317
	0.3	14	21	38	69	95	166	249	426
-30°	0.2	9	14	24	44	61	106	159	273
	0.3	12	18	32	58	79	139	208	357
-40°	0.2	8	12	21	38	53	92	139	238
	0.3	6	10	17	31	43	76	113	194

R-507A									
蒸发温度	△p	VMP							
℃	Bar	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
5°	0.2	20	30	53	96	133	233	349	599
	0.3	28	42	74	134	185	323	485	832
0°	0.2	18	27	48	87	120	211	316	542
	0.3	25	37	67	121	167	292	437	750
-10°	0.2	14	21	38	69	95	167	250	428
	0.3	20	29	52	95	131	229	344	590
-20°	0.2	11	17	30	55	76	133	199	342
	0.3	16	23	41	75	104	181	272	466
-30°	0.2	10	15	26	47	65	113	170	291
	0.3	13	19	34	61	84	148	222	380
-40°	0.2	7	10	18	32	45	78	117	201
	0.3	8	12	22	40	55	95	143	246

以上值基于液体温度=30°（氨液），液体温度40°（R404A或R507A）对于液体温度=±5K，制冷量参数将会对于氨变化±3%，对于R404A和R507A变化±5%

对于要求△p<0.2的场合，请使用本公司气动阀RAK RAK-W RACK RALK及RAXK

电磁阀热气管路制冷量KW
HOT GAS CAPACITIES KW

R-717 NH3											
蒸发温度	△P	VMP									
℃	Bar	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
25	0.2	32	47	74	111	197	357	492	861	1292	2214
	0.4	45	66	104	156	277	502	692	1211	1817	3114
	0.6	55	80	126	189	336	609	840	1470	2205	3780
30	0.2	34	50	79	118	210	380	524	917	1376	2358
	0.4	48	70	110	165	293	531	732	1281	1922	3294
	0.6	58	85	134	201	357	647	892	1561	2342	4014
35	0.2	36	52	83	124	221	400	552	966	1449	2484
	0.4	50	74	116	175	310	563	776	1358	2037	3492
	0.6	61	90	142	212	378	684	944	1652	2478	4248
45	0.2	39	57	91	136	242	438	604	1057	1586	2718
	0.4	56	82	129	194	344	624	860	1505	2258	3870
	0.6	68	100	158	237	421	763	1052	1841	2762	4734

R-404A R-507A											
蒸发温度	△P	VMP									
℃	Bar	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
25	0.2	17	24	38	58	102	186	256	448	672	1152
	0.4	12	17	27	41	73	132	182	319	478	819
	0.6	20	30	47	70	124	225	311	544	816	1399
30	0.2	13	18	29	44	78	141	194	339	509	872
	0.4	18	26	41	61	108	196	271	474	711	1219
	0.6	21	31	50	74	132	239	330	578	866	1485
35	0.2	13	19	31	46	82	148	204	357	536	919
	0.4	19	27	43	65	115	208	287	502	754	1292
	0.6	23	33	52	79	140	253	349	611	917	1572
45	0.2	15	21	34	50	89	162	223	391	587	1006
	0.4	21	30	48	72	127	231	318	557	835	1432
	0.6	25	37	58	88	156	282	389	681	1022	1752

以上值基于热气温度=冷凝温度30° ，而蒸发温度=−10°
在蒸发温度−40° 到10° 之间变动时，以上参数波动范围在±3%。
对于要求△p<0.2的场合，请使用本公司气动阀RAK RAK−W RACK RALK及RAXK

电磁阀高压液体管路制冷量KW

SOLENOID VALVES HIGH PRESSURE LIQUID LINE GAPACITIES KW

R-717 NH3										
△P	VMP									
Bar	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
0.2	284	415	656	984	1749	3170	7651	656	11477	19674
0.3	348	508	803	1204	2141	3880	9366	803	14049	24084
0.4	402	587	927	1391	2472	4481	10815	927	16223	27810
0.5	449	656	1036	1554	2763	5008	12089	1036	18134	31086

R-404A y R-507A										
△P	VMP									
Bar	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
0.2	37	54	85	128	227	412	568	995	1492	2558
0.3	45	66	104	157	278	504	696	1218	1826	3131
0.4	52	76	121	181	321	582	803	1406	2109	3615
0.5	58	85	135	202	359	651	898	1572	2357	4041

以上数据根据Tevap=−10° 以及Tliquid=25° 计算，无闪发气体。

电磁阀低压液体管路−泵循环管制冷量KW

SOLENOID VALVES LOW PRESSURE LIQUID LINE-PUMPED LIQUID CIRCULATION KW

R-717 NH3										
△P	VMP									
Bar	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
0.2	85	124	195	293	520	943	1300	2275	3413	5850
0.3	103	151	239	358	637	1154	1592	2786	4179	7164
0.4	120	175	276	414	736	1334	1840	3220	4830	8280
0.5	134	195	308	463	822	1491	2056	3598	5397	9252

R-404A y R-507A										
△P	VMP									
Bar	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
0.2	42	62	98	146	260	471	650	1138	1706	2925
0.3	52	76	119	179	318	577	796	1393	2090	3582
0.4	60	87	138	207	368	667	920	1610	2415	4140
0.5	67	98	154	231	411	745	1028	1799	2699	4626

以上数值根据液体温度为−10° ，蒸发温度为−10° ，循环倍率为4；1，对
于循环倍率R不同于4的情况，将该值除以4，R/4
在蒸发温度−40° 到10° 之间时，以上参数变化幅度可以或略
对于要求△p<0.2的场合，请使用本公司气动阀RAK RAK−W RACK RALK及RAXK

电磁阀热气化霜制冷量KW

SOLENOID VALVES HOT GAS DEFROST CAPACITIES KW

制冷剂	VMP							
	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65
R-717NH3	20	29	46	69	123	222	307	537
R404A	10	14	22	33	59	80	110	192
R507A	9	14	21	32	57	77	106	185

调节阀热气化霜制冷量KW

REGULATION VALVES HOT GAS DEFROST CAPACITIES KW

制冷剂	RSA							
	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65
R-717NH3	34	49	78	117	208	275	380	665
R404A	17	24	22	33	59	80	110	192
R507A	15	24	21	32	57	77	106	185

以上数据根据冷库温度−20° 及蒸发器温差△p=5K来计算

调节阀吸气制冷量KW

REGULATION VALVES SUCTION VAPOUR CAPACITIES KW

R-717 NH3											
蒸发温度	△P	RSA									
°C	Bar	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
5°	0.2	25	36	57	86	152	276	380	665	998	1710
	0.4	34	50	79	119	211	383	528	924	1386	2376
	0.6	41	60	95	142	253	458	632	1106	1659	2844
	1	51	75	118	177	315	571	788	1379	2069	3546
0°	0.2	22	33	52	77	138	249	344	602	903	1548
	0.4	31	45	71	107	190	345	476	833	1250	2142
	0.6	37	54	85	128	227	412	568	994	1491	2556
	1	46	67	105	158	280	508	700	1225	1838	3150
-10°	0.2	18	26	41	62	110	200	276	483	725	1242
	0.4	25	36	57	86	152	276	380	665	998	1710
	0.6	29	43	67	101	179	325	448	784	1176	2016
	1	35	51	81	122	216	392	540	945	1418	2430
-20°	0.2	14	21	33	50	88	160	220	385	578	990
	0.4	19	28	44	67	118	215	296	518	777	1332
	0.6	22	32	51	77	136	247	340	595	893	1530
-30°	0.2	13	19	29	44	78	142	196	343	515	882
-40°	0.2	9	14	22	32	58	104	144	252	378	648

R-404A											
蒸发温度	△P	RSA									
°C	Bar	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
5°	0.2	9	12	20	30	52	95	131	229	344	590
	0.4	12	17	27	41	73	132	182	319	478	820
	0.6	14	21	33	49	87	158	218	382	572	981
	1	18	26	41	61	109	197	272	476	714	1223
0°	0.2	8	11	18	26	47	85	117	205	307	526
	0.4	11	15	24	36	65	117	162	283	425	728
	0.6	13	18	29	43	77	140	193	338	507	869
	1	15	23	36	54	95	173	238	417	625	1071
-10°	0.2	6	9	14	20	36	66	91	159	239	410
	0.4	8	12	19	28	50	91	125	219	329	564
	0.6	10	14	22	33	59	107	148	259	388	665
	1	12	17	27	40	71	129	178	312	468	802
-20°	0.2	5	7	11	16	28	51	70	123	185	317
	0.4	6	9	14	21	38	69	95	166	249	426
	0.6	7	10	16	24	44	79	109	190	286	490
-30°	0.2	4	6	9	14	24	44	61	106	159	273
	0.4	5	8	12	18	32	58	79	139	208	357
-40°	0.2	3	4	6	10	17	31	43	76	113	194
	0.4	3	5	8	12	21	38	53	92	139	238

调节阀吸气制冷量KW

REGULATION VALVES SUCTION VAPOUR CAPACITIES KW

R-507A											
蒸发温度	△P	RSA									
℃	Bar	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
5°	0.2	9	13	20	30	54	98	135	236	354	607
	0.4	12	18	28	42	75	136	187	328	492	843
	0.6	15	21	34	50	90	163	224	393	589	1010
	1	18	27	42	63	112	203	280	490	734	1259
0°	0.2	8	11	18	27	48	87	120	211	316	542
	0.4	11	16	25	37	67	121	167	292	437	750
	0.6	13	19	30	45	80	144	199	348	522	895
	1	16	23	37	55	98	178	245	429	643	1103
-10°	0.2	6	9	14	21	38	69	95	167	250	429
	0.4	9	12	20	30	52	95	131	229	344	590
	0.6	10	15	23	35	62	112	155	270	406	696
	1	12	18	28	42	75	135	186	326	489	838
-20°	0.2	5	7	11	17	30	54	75	131	196	337
	0.4	7	10	15	23	40	73	101	176	264	453
	0.6	8	11	17	26	46	84	116	202	303	520
-30°	0.2	4	6	9	14	25	45	63	110	165	282
	0.4	5	8	12	18	33	59	82	143	215	369
-40°	0.2	3	4	7	10	18	32	45	78	117	201
	0.4	4	5	8	12	22	40	55	95	143	246

以上数据根据液体温度30° (NH3),及液体温度40° （R404A及R507A)来计算

对于液体温度波动为±5K,对于氨制冷量变动±3%，对于R404A及R507A变动±5%

对于−30° 及−40° 的双极系统，按照液体温度为−10° 来计算

对于要求△p<0.2的场合，请使用本公司气动阀RAK RAK−W RACK RALK及RAXK

调节阀热气管路制冷量KW

REGULATION VALVES HOT GAS CAPACITIES KW

R-717 NH3											
冷凝温度	Dp	RSA									
℃	Bar	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
25°	0.2	32	47	74	111	197	357	492	861	1292	2214
	0.4	45	66	104	156	277	502	692	1211	1817	3114
	0.6	55	80	126	189	336	609	840	1470	2205	3780
	1	70	103	163	244	434	786	1084	1897	2846	4878
	2	100	146	230	345	613	1112	1534	2684	4026	6901
30°	0.2	34	50	79	118	210	380	524	917	1376	2358
	0.4	48	70	110	165	293	531	732	1281	1922	3294
	0.6	58	85	134	201	357	647	892	1561	2342	4014
	1	75	109	173	259	461	835	1152	2016	3024	5184
	2	106	155	244	366	651	1181	1628	2850	4275	7328
35°	0.2	36	52	83	124	221	400	552	966	1449	2484
	0.4	50	74	116	175	310	563	776	1358	2037	3492
	0.6	61	90	142	212	378	684	944	1652	2478	4248
	1	79	116	183	274	487	883	1218	2132	3198	5483
	2	112	164	258	388	689	1249	1723	3016	4523	7754
45°	0.2	39	57	91	136	242	438	604	1057	1586	2718
	0.4	56	82	129	194	344	624	860	1505	2258	3870
	0.6	68	100	158	237	421	763	1052	1841	2762	4734
	1	88	129	204	306	543	985	1358	2377	3565	6111
	2	125	182	288	432	768	1392	1920	3361	5041	8642

以上数据根据热气温度=冷凝温度30° 且蒸发温度−10° 来计算

蒸发温度在−40° 到10° 之间时变化值为±3%，可忽略不计

对于要求△p<0.2的场合，请使用本公司气动阀RAK RAK−W RACK RALK及RAXK

调节阀热气管路制冷量KW

REGULATION VALVES HOT GAS CAPACITIES KW

R404A-507A											
冷凝温度	Dp	RSA									
℃	Bar	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
25°	0.2	12	17	27	41	73	132	182	319	478	819
	0.4	17	24	38	58	102	186	256	448	672	1152
	0.6	20	30	47	70	124	225	311	544	816	1399
	1	26	38	60	90	160	291	401	702	1053	1805
	2	37	54	85	128	227	411	567	993	1490	2553
30°	0.2	13	18	29	44	78	141	194	339	509	872
	0.4	18	26	41	61	108	196	271	474	711	1219
	0.6	21	31	50	74	132	239	330	578	866	1485
	1	28	40	64	96	170	309	426	746	1119	1918
	2	39	57	90	136	241	437	603	1054	1582	2711
35°	0.2	13	19	31	46	82	148	204	357	536	919
	0.4	19	27	43	65	115	208	287	502	754	1292
	0.6	23	33	52	79	140	253	349	611	917	1572
	1	29	43	68	101	180	327	451	789	1183	2029
	2	41	61	96	143	255	462	638	1116	1674	2869
45°	0.2	15	21	34	50	89	162	223	391	587	1006
	0.4	21	30	48	72	127	231	318	557	835	1432
	0.6	25	37	58	88	156	282	389	681	1022	1752
	1	33	48	75	113	201	364	502	879	1319	2261
	2	46	68	107	160	284	515	711	1243	1865	3197

以上数据根据热气温度=冷凝温度30° 且蒸发温度−10° 来计算

蒸发温度在−40° 到10° 之间时变化值为±3%，以上制冷值可忽略不计

对于要求△p<0.2的场合，请使用本公司气动阀RAK RAK−W RACK RALK及RAXK

液体管路–泵循环管路或旁通管

LIQUID LINE-PUMPED CIRCULATION OR BY-PASS

R717 NH3										
△P	RSAL									
Bar	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
0.7	2,7	4,0	6,2	9,4	16,6	30,2	41,6	72,8	109,2	187,2
1.5	3,8	5,5	8,8	13,1	23,4	42,3	58,4	102,2	153,3	262,8
2	4,8	7,0	11,1	16,7	29,6	53,7	74,0	129,5	194,3	333,0
3	5,6	8,2	12,9	19,4	34,5	62,5	86,2	150,9	226,3	387,9

R404A										
△P	RSAL									
Bar	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
0.7	1,6	2,3	3,6	5,4	9,7	17,5	24,2	42,4	63,5	108,9
1.5	2,2	3,3	5,2	7,8	13,8	25,0	34,5	60,4	90,6	155,3
2	2,7	4,0	6,3	9,4	16,7	30,3	41,8	73,2	109,7	188,1
3	3,3	4,9	7,7	11,5	20,5	37,1	51,2	89,6	134,4	230,4

R517A										
△P	RSAL									
Bar	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
0.7	1,5	2,2	3,5	5,3	9,3	16,9	23,4	40,9	61,3	105,1
1.5	2,2	3,2	5,0	7,5	13,3	24,1	33,3	58,2	87,4	149,8
2	2,6	3,8	6,0	9,1	16,1	29,2	40,3	70,6	105,8	181,4
3	3,2	4,7	7,4	11,1	19,7	35,8	49,4	86,4	129,6	222,1

以上数据根据液体温度–10° 且蒸发温度–10° 来计算

蒸发温度在–40° 到10° 之间时，以上制冷值变化可忽略不计。

常开气动阀RAK及RAK-W系列

NORMALLY OPEN,RAK AND RAK-W TYPES

R-717 NH3								
蒸发温度	△P	RAK						
℃	Bar	DN25	DN32	DN40	DN50	DN65	DN80	DN100
5°	0.02	32	50	101	135	252	471	673
	0.04	45	71	143	190	356	665	951
	0.07	60	94	188	251	470	878	1255
	0.15	87	138	276	368	690	1287	1839
0°	0.02	30	47	94	125	234	436	623
	0.04	42	66	132	176	330	616	881
	0.07	55	87	174	232	434	811	1158
	0.15	80	127	254	339	635	1186	1694
-10°	0.02	25	40	79	105	198	369	527
	0.04	35	56	111	149	279	520	743
	0.07	47	73	147	196	367	685	979
	0.15	67	106	212	283	530	989	1413
-20°	0.02	21	33	66	88	165	307	439
	0.04	29	46	93	124	232	433	618
	0.07	39	61	122	163	305	569	813
	0.15	55	86	173	230	431	805	1151
-30°	0.02	17	27	54	72	134	251	358
	0.04	24	38	76	101	189	353	504
	0.07	31	49	98	131	245	457	653
	0.15	45	70	141	188	352	656	938
-40°	0.02	13	21	42	57	106	198	283
	0.04	19	30	59	79	148	276	395
	0.07	24	38	77	102	192	358	512
	0.15	33	52	105	140	262	489	699
-50°	0.02	10	16	33	44	82	153	218
	0.04	14	23	45	60	113	211	301
	0.07	18	29	58	77	144	269	384
	0.15	24	38	76	101	190	354	506

常开气动阀RAK及RAK-W系列
NORMALLY OPEN,RAK AND RAK-W TYPES

R-404A								
蒸发温度	△P	RAK						
℃	Bar	DN25	DN32	DN40	DN50	DN65	DN80	DN100
5°	0.02	11	17	35	135	87	163	232
	0.04	15	26	48	66	115	172	295
	0.07	19	35	63	87	151	227	390
	0.15	29	5	92	127	222	333	571
0°	0.02	10	17	31	42	74	111	191
	0.04	13	24	43	60	105	157	269
	0.07	18	32	57	79	138	207	354
	0.15	26	46	83	115	202	302	518
-10°	0.02	8	14	25	35	61	91	157
	0.04	11	20	36	49	86	129	221
	0.07	15	26	47	65	113	170	291
	0.15	21	37	68	93	163	245	420
-20°	0.02	6	11	20	28	49	74	126
	0.04	9	16	29	40	69	104	178
	0.07	12	21	38	52	91	137	234
	0.15	17	29	53	74	129	193	331
-30°	0.02	5	9	16	22	39	58	100
	0.04	7	12	23	31	55	82	141
	0.07	9	16	29	40	71	106	182
	0.15	13	23	42	58	102	153	262
-40°	0.02	4	7	12	17	30	45	77
	0.04	5	9	17	24	41	62	107
	0.07	7	12	22	31	54	81	138
	0.15	9	17	30	42	73	110	189
-50°	0.02	3	5	9	13	23	34	58
	0.04	4	7	13	18	31	47	80
	0.07	3	5	9	12	21	32	54
	0.15	7	12	22	30	52	78	134

常开气动阀RAK及RAK-W系列

NORMALLY OPEN,RAK AND RAK-W TYPES

R-507A								
蒸发温度	△P	RAK						
℃	Bar	DN25	DN32	DN40	DN50	DN65	DN80	DN100
5°	0.02	11	18	36	48	90	167	239
	0.04	15	27	49	67	118	177	304
	0.07	20	36	65	89	156	234	401
	0.15	29	52	95	131	228	343	588
0°	0.02	10	17	32	44	76	115	196
	0.04	14	25	45	62	108	162	277
	0.07	18	32	59	81	142	213	365
	0.15	27	47	86	119	207	311	534
-10°	0.02	8	15	26	36	64	95	164
	0.04	11	19	35	48	85	127	218
	0.07	15	27	49	68	118	177	304
	0.15	22	39	71	97	171	256	439
-20°	0.02	7	12	22	30	52	78	134
	0.04	9	17	30	42	74	110	189
	0.07	12	22	40	55	97	145	249
	0.15	18	31	57	78	137	205	352
-30°	0.02	5	9	17	24	41	62	106
	0.04	7	13	24	33	58	87	150
	0.07	10	17	31	43	75	113	194
	0.15	14	25	45	62	108	162	278
-40°	0.02	4	7	13	18	31	46	79
	0.04	6	10	18	24	43	64	110
	0.07	7	13	23	32	56	83	143
	0.15	10	17	31	43	76	114	195
-50°	0.02	3	5	9	13	23	34	59
	0.04	4	7	13	18	32	47	81
	0.07	3	5	9	12	21	32	55
	0.15	7	12	22	30	53	80	137

常闭气动阀RACK,AML及AMLX系列

NORMALLY CLOSED RACK,AML AND AMLX TYPES

R-717 NH3								
蒸发温度	△P	RACK RALK RAXK						
℃	Bar	DN25	DN32	DN40	DN50	DN65	DN80	DN100
5°	0.02	30	54	98	135	235	353	606
	0.04	43	76	138	190	333	499	856
	0.07	56	100	182	251	439	659	1129
	0.15	83	147	267	368	644	965	1655
0°	0.02	28	50	90	125	218	327	561
	0.04	40	70	128	176	308	462	793
	0.07	52	93	168	232	405	608	1043
	0.15	76	135	246	339	593	889	1524
-10°	0.02	24	42	76	105	185	277	474
	0.04	33	59	108	149	260	390	669
	0.07	44	78	142	196	343	514	881
	0.15	64	113	205	283	495	742	1272
-20°	0.02	20	35	64	88	154	230	395
	0.04	28	49	90	124	216	325	556
	0.07	37	65	118	163	285	427	732
	0.15	52	92	167	230	403	604	1036
-30°	0.02	16	29	52	72	125	188	323
	0.04	23	40	73	101	176	264	453
	0.07	29	52	95	131	229	343	588
	0.15	42	75	136	188	328	492	844
-40°	0.02	13	23	41	57	99	149	255
	0.04	18	32	57	79	138	207	355
	0.07	23	41	74	102	179	269	460
	0.15	31	56	101	140	245	367	629
-50°	0.02	10	17	32	44	76	115	196
	0.04	14	24	44	60	105	158	271
	0.07	17	31	56	77	135	202	346
	0.15	23	41	73	101	177	266	456

常闭气动阀RACK,AML及AMLX系列

NORMALLY CLOSED RACK,AML AND AMLX TYPES

R-404A								
蒸发温度	△P	RACK RALK RAXK						
℃	Bar	DN25	DN32	DN40	DN50	DN65	DN80	DN100
5°	0.02	10	19	34	46	81	122	209
	0.04	15	26	48	66	115	172	295
	0.07	19	35	63	87	151	227	390
	0.15	29	51	92	127	222	333	571
0°	0.02	10	17	31	42	74	111	191
	0.04	13	24	43	60	105	157	269
	0.07	18	32	57	79	138	207	354
	0.15	26	46	83	115	202	302	518
-10°	0.02	8	14	25	35	61	91	157
	0.04	11	20	36	49	86	129	221
	0.07	15	26	47	65	113	170	291
	0.15	21	37	68	93	163	245	420
-20°	0.02	6	11	20	28	49	74	126
	0.04	9	16	29	40	69	104	178
	0.07	12	21	38	52	91	137	234
	0.15	17	29	53	74	129	193	331
-30°	0.02	5	9	16	22	39	58	100
	0.04	7	12	23	31	55	82	141
	0.07	9	16	29	40	71	106	182
	0.15	13	23	42	58	102	153	262
-40°	0.02	4	7	12	17	30	45	77
	0.04	5	9	17	24	41	62	107
	0.07	7	12	22	31	54	81	138
	0.15	9	17	30	42	73	110	189
-50°	0.02	3	5	9	13	23	34	58
	0.04	4	7	13	18	31	47	80
	0.07	3	5	9	12	21	32	54
	0.15	7	12	22	30	52	78	134

常闭气动阀RACK,AML及AMLX系列

NORMALLY CLOSED RACK,AML AND AMLX TYPES

R-507A								
蒸发温度	△P	RACK,RALK RAXK						
℃	Bar	DN25	DN32	DN40	DN50	DN65	DN80	DN100
5°	0.02	11	19	35	48	84	125	215
	0.04	15	27	49	67	118	177	304
	0.07	20	36	65	89	156	234	401
	0.15	29	52	95	131	228	343	588
0°	0.02	10	17	32	44	76	115	196
	0.04	14	25	45	62	108	162	277
	0.07	18	32	59	81	142	213	365
	0.15	27	47	86	119	207	311	534
-10°	0.02	8	15	26	36	64	95	164
	0.04	11	19	35	48	85	127	218
	0.07	15	27	49	68	118	177	304
	0.15	22	39	71	97	171	256	439
-20°	0.02	7	12	22	30	52	78	134
	0.04	9	17	30	42	74	110	189
	0.07	12	22	40	55	97	145	249
	0.15	18	31	57	78	137	205	352
-30°	0.02	5	9	17	24	41	62	106
	0.04	7	13	24	33	58	87	150
	0.07	10	17	31	43	75	113	194
	0.15	14	25	45	62	108	162	278
-40°	0.02	4	7	13	18	31	46	79
	0.04	6	10	18	24	43	64	110
	0.07	7	13	23	32	56	83	143
	0.15	10	17	31	43	76	114	195
-50°	0.02	3	5	9	13	23	34	59
	0.04	4	7	13	18	32	47	81
	0.07	3	5	9	12	21	32	55
	0.15	7	12	22	30	53	80	137

电磁阀推荐类型
Recommended solenoid valves

应用 APPLICATION	应用工况 SERVICE CONDITIONS	电磁阀 SOLENOID AMLES										
		4mm	10mm	15mm	20mm	25mm	32mm	40mm	50mm	65mm	80mm	100mm
		3/16"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
液体管路 LIQUID LINE	高压或桶泵循环Ta ≥−45℃ HP OR RECIRCULATION,ABOVE-45℃		VMP	VMP	VMP	VMP	VMP	VMP	VMP	VMP	VMP	VMP
					VMP	AEVRA	AEVRA	AEVRA				
吸气管路	T≥−20℃		VMP	VMP	VMP	VMP	VMP	VMP	VMP	VMP	VMP	VMP
					VMP	AEVRA	AEVRA	AEVRA				
	T≥−50℃ 气动阀 常开 GAS POWERED VALVES N OPEN				RAK	RAK	RAK	RAK	RAK	RAK	RAK	RAK
						AEVRA	AEVRA	AEVRA				
	T≥−50℃ 气动阀 常闭 GAS POWERED VALVES N CLOSE				RACK	RACK	RACK	RACK	RACK	RACK	RACK	RACK
							AML	AML	AML	AML	AML	AML
					AMLX	AMLX	AMLX	AMLX	AMLX	AMLX	AMLX	AMLX
热气以及化霜管路 HOT GAS DEFROST	T<−105℃		VMP	VMP	VMP	VMP	VMP	VMP	VMP	VMP	VMP	VMP

以上推荐基于管路内保持清洁、没有水分以及各种杂质。电磁阀必须工作于没有高粘度的油品，而且高于−20℃的情况下所有电磁阀入口处必须安装过滤器，并且在阀门下游安装止回阀


冰轮股份
烟台冰轮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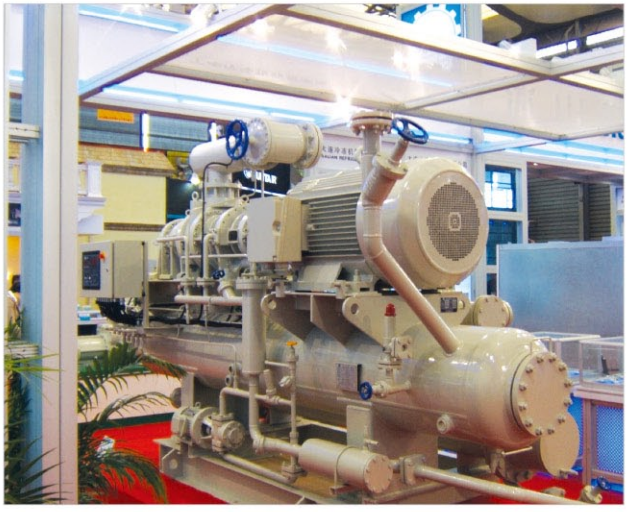
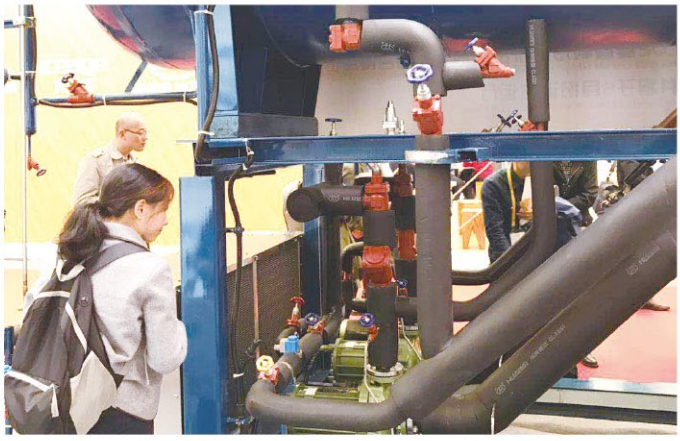
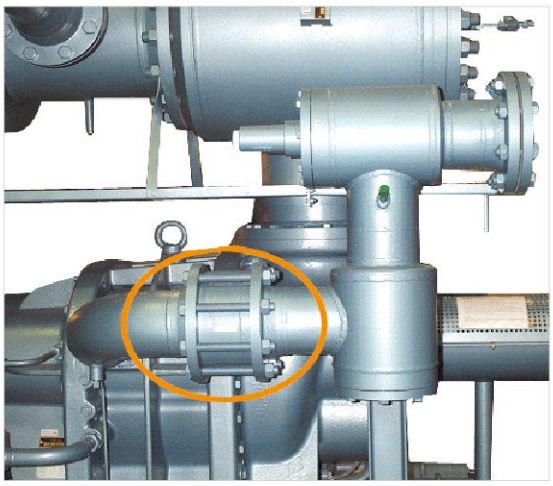



大连冷冻机股份有限公司
DALIAN REFRIGERATION CO.,LTD.
JZSLG20/16CS单机双级螺杆制冷压缩机组




北库冲霜加压
北库回气
北库冲霜回液
北库供液


郑州艾斯诺制冷设备有限公司
ZhengZhou Ice Snow Refrigeration Equipment Co., Ltd




KE185螺杆膨胀发电站

CERTIFICATE

The Certification Body of
TÜV SÜD Industrie Service GmbH,
a Notified Body of the Pressure Equipment Directive (PED),

certifies that

Changzhou AMG Refrigeration Equipment Co., Ltd.
FuRong Town Industry Zone,
213118, Changzhou City, Jiangsu Province, P.R. China

implemented, operates and maintains a quality assurance system as described in the Pressure Equipment Directive 2014/68/EU Annex III, Module H

for the scope of

Design, manufacturing and sales of steel valves
stop valve (max. PN52, max. DN150)
stop and control valve (max. PN52, max. DN150)
check valve (max. PN52, max. DN150)
stop and check valve (max. PN52, max. DN150)
filter (max. PN52, DN150)

The audit with the report number Q-CHN-PED-5010241909-001-17 proves that the quality assurance system fulfils the PED requirements.

The manufacturer is authorized to provide the pressure equipment produced within the scope of the assessed quality assurance system with the following Notified Body Number:

CE 0036

Certificate No.: DGR-0036-QS-1155-17
valid until June 27th, 2020
provided that annual surveillance audits have been performed successfully

Filderstadt, September 19th, 2017

TÜV SÜD Industrie Service GmbH
Westendstraße 199
80686 München
Germany

Notified Body No. 0036
Tel. +49 711 70 05 269
Fax +49 711 70 05 351
e-Mail martina.jorn@tuev-sued.de

TÜV SÜD Industry Services · PED-DA-Certification Body · Germany

中华人民共和国
特种设备制造许可证
Manufacture License of Special Equipment
People's Republic of China
（压力管道元件）

编号：TS2732159-2021

单位名称：常州埃姆基冷冻设备有限公司
注册地址：江苏省常州市武进区横山桥镇芙蓉工业园区
经审查，获准从事下列压力管道元件的制造：

类别	品种	级别	范围	备注
压力管道阀门	金属阀门	B1 B2	1、截止阀、止回阀：PN≤6.3MPa 且 50mm≤DN≤150mm；PN≤2.5MPa 且 200mm≤DN≤500mm； 2、节流阀：PN≤6.3MPa 且 50mm≤DN≤200mm。	无损检测分包。

审批机关：江苏省质量技术监督局　发证机关
有效期至：2021 年 02 月 27 日　发证日期：2017 年 02 月 28 日

国家质量监督检验检疫总局制

中华人民共和国
特种设备生产许可证
Production License of Special Equipment
People's Republic of China

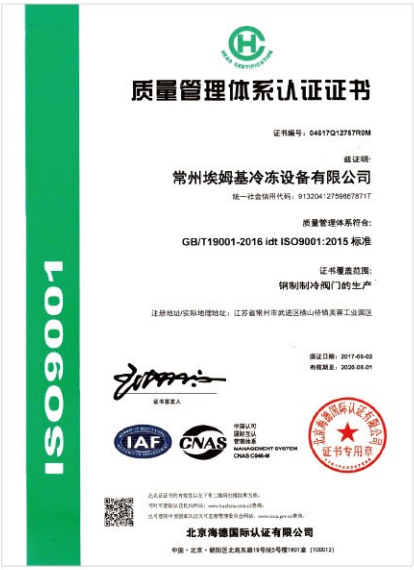
编号：TS2F32M01-2024

单位名称：常州埃姆基冷冻设备有限公司
住　所：武进区横山桥镇芙蓉工业园区
制造地址：武进区横山桥镇芙蓉工业园区
经审查，获准从事以下特种设备生产活动：

许可项目	许可子项目	许可参数	备注
安全附件制造	安全阀(B)	—	具体产品范围见型式试验证书

审批机关：江苏省市场监督管理局　发证机关
有效期至：2024 年 06 月 28 日　发证日期：2020 年 06 月 29 日

江苏省市场监督管理局制



ISO9001

质量管理体系认证证书

证书编号：04617Q12767R0M

兹证明：
常州埃姆基冷冻设备有限公司
统一社会信用代码：91320412759667871T

质量管理体系符合：
GB/T19001-2016 idt ISO9001:2015 标准

证书覆盖范围：
钢制制冷阀门的生产

注册地址/实际地理地址：江苏省常州市武进区横山桥镇芙蓉工业园区

证书有效期：2017-08-02
到期期限：2020-08-01

IAF CNAS

北京海德国际认证有限公司

中国·北京·朝阳区北苑东路19号楼5号楼1801室（100012）

编号 A2606.1

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中国国际专利与名牌博览会
CHINA INTERNATIONAL PATENT & BRAND EXPO

金奖

获奖项目
钢制制冷阀门

获奖单位
常州市埃姆基冷冻设备有限公司

中国国际专利与名牌博览会组委会
中国国际专利与名牌博览会评审委员会

2004.5

发明专利证书

发明名称：直流式管钢部分过滤器
发明人：肖英章
专利号：ZL 2014 1 0737900.4
专利申请日：2014 年 12 月 05 日
专利权人：常州埃姆基冷冻设备有限公司
授权公告日：2017 年 01 月 18 日

本发明经过本局依照中华人民共和国专利法进行审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

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局长
申长雨

2017 年 01 月 18 日

实用新型专利证书

实用新型名称：溢流阀
发明人：周敏杰
专利号：ZL 2019 2 1347835.1
专利申请日：2019 年 08 月 19 日
专利权人：常州埃姆基冷冻设备有限公司
地址：213118 江苏省常州市武进经开区横山桥镇芙蓉工业园内
授权公告日：2020 年 05 月 08 日　授权公告号：CN 210484709 U

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局长
申长雨

2020 年 05 月 08 日

实用新型专利证书

实用新型名称：流量调节阀
发明人：周敏杰
专利号：ZL 2019 2 1356617.8
专利申请日：2019 年 08 月 19 日
专利权人：常州埃姆基冷冻设备有限公司
地址：213118 江苏省常州市武进经开区横山桥镇芙蓉工业园内
授权公告日：2020 年 05 月 08 日　授权公告号：CN 210484680 U

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局长
申长雨

2020 年 05 月 08 日

实用新型专利证书

实用新型名称：止回阀
发明人：周敏杰
专利号：ZL 2019 2 1682091.6
专利申请日：2019 年 10 月 09 日
专利权人：常州埃姆基冷冻设备有限公司
地址：213118 江苏省常州市武进经开区横山桥镇芙蓉工业园内
授权公告日：2020 年 06 月 16 日　授权公告号：CN 210770447 U

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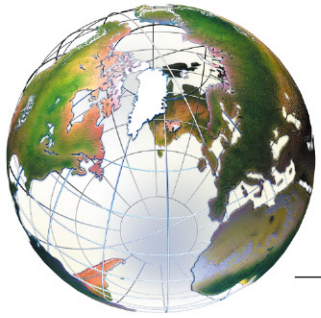
局长
申长雨

2020 年 06 月 16 日



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Internationally fashionable character　Enriched natural quality

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Changzhou AMG
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常州埃姆基冷冻设备有限公司

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