

Instruction Sheet 产品说明书

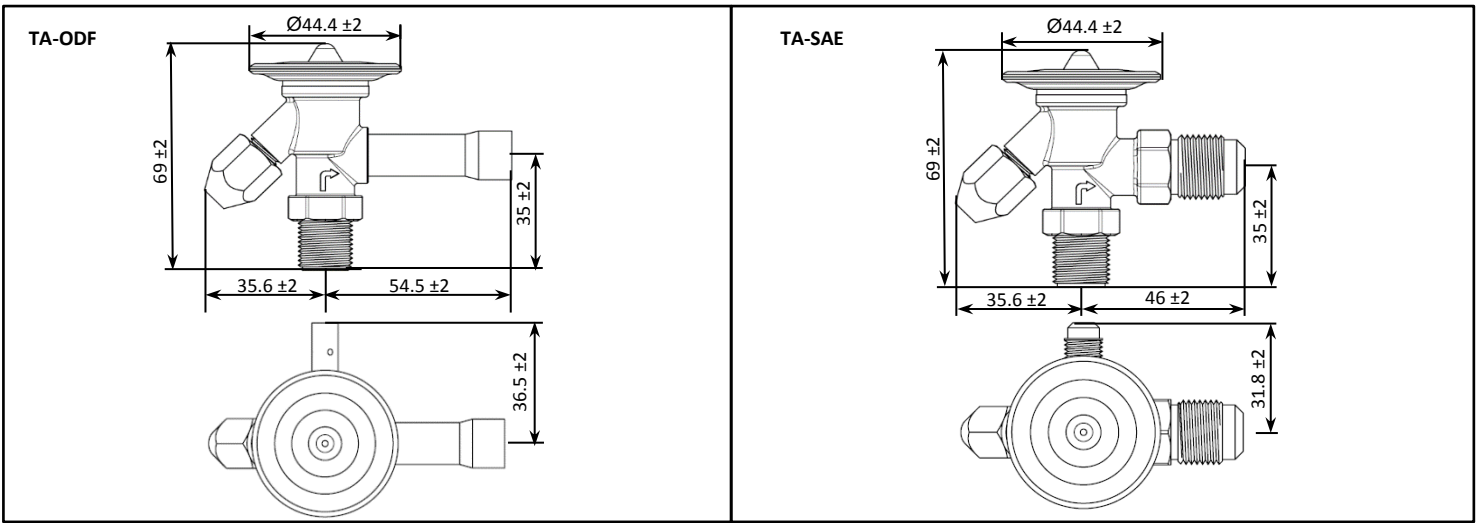
PA-31846

Dec. 2018 / 2018 年 12 月

TA Thermal Expansion Valve

TA 热力膨胀阀

Structure and Dimension (结构外形和尺寸) Unit (单位): mm



Charge Selection (充注选择)

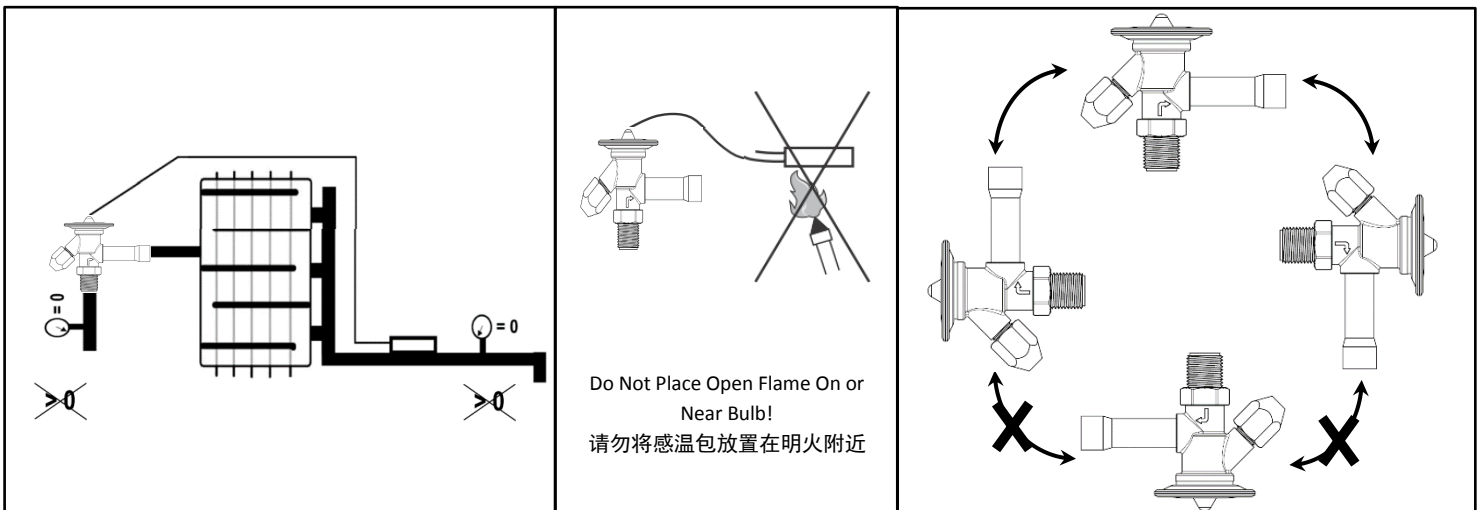
Refrigerant	Operating Ranges (°F/°C)											
	-50°F -46°C	-40°F -40°C	-30°F -34°C	-20°F -29°C	-13°F -25°C	-10°F -23°C	0°F -18°C	10°F -12°C	20°F -7°C	30°F -1°C	40°F 4°C	50°F 10°C
R134a					MC							
					MW55							
R22			HCS									
			HW100									
R404A			SCS									
			SW75									

Mounting Method (安装方法)

1. System Pressures: Installation or Removal
(系统压力: 安装或拆除)

2. Warning
(警告)

3. Valve Orientation
(阀的安装角度)

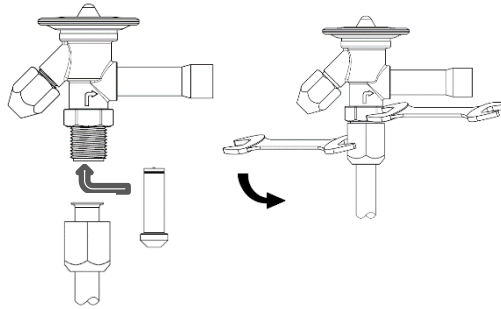


4. Pipe Dimension of Valve and Proper Torque for Fastening (阀的接管尺寸及拧紧所需力矩)

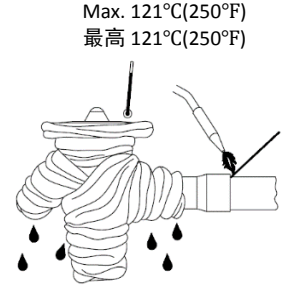
Pipe Dimension 接管尺寸			
Valve Type 阀体类型	Inlet 入口	Outlet 出口	Equalizer 平衡口
TA-ODF	5/8"-18UNF Flare	1/2"ODF	1/4"ODF
TA-SAE	5/8"-18UNF Flare	3/4"-16UNF Flare	7/16"-20UNF Flare

Proper torque for fastening the nuts 纳子紧固扭矩			
Thread 螺纹	5/8"-18UNF	3/4"-16UNF	7/16"-20UNF
Torque 扭矩	40~50N.M	50~60N.M	17~20N.M

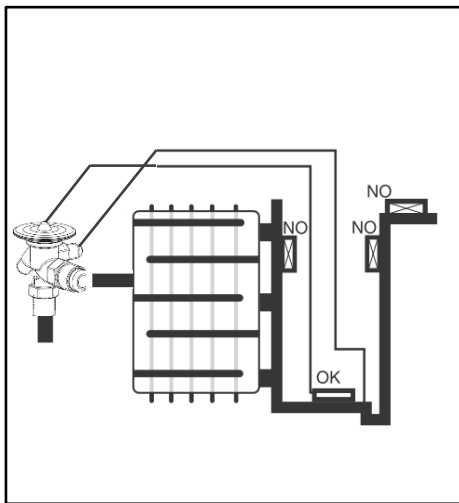
5. Cage Mounting (阀芯安装)



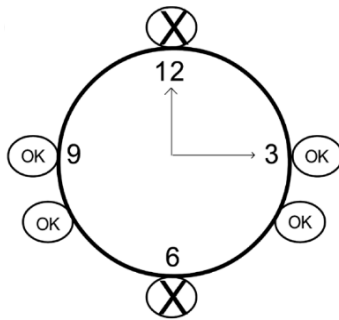
6. Welding (焊接)



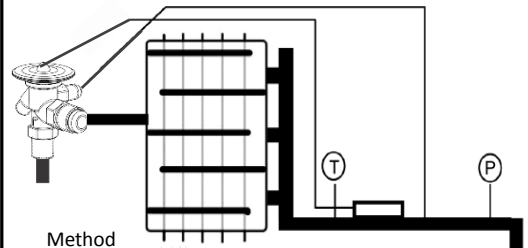
7. Bulb & External Equalizer Locations (感温包和外平衡管位置)



8. Bulb Location (感温包位置)



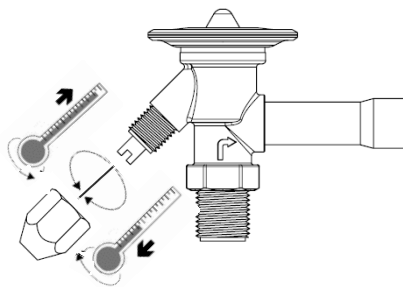
9. Determining Superheat (确定过热度)



10. Static Superheat Changes(K) for One Full Turn of Adjusting Stem on 0°C (Evaporating Temp.) (蒸发温度 0°C 时调节杆调一圈静态过热度变化 K)

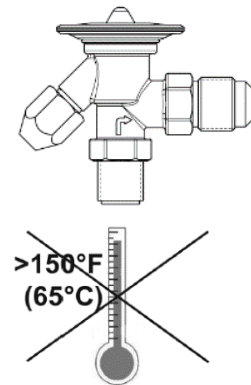
Refrigerant	K/Turn (Evap. Temp=0°C)
R22	2.3K
R404A	1.9K
R134a	3.4K

11. Adjust Superheat (调整过热度)



12. Maximum Working Pressure and Maximum Bulb Temperatures (最大工作压力及最大感温包温度)

TA MWP: 680psig /46.8bar g



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