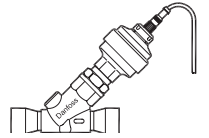


Installation Guide

Electronic Expansion Valves

ETS 250, 400 and KVS 42



034R9799

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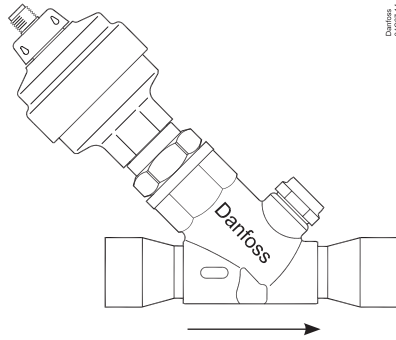
Allowable ambient temperature
Zulässige Umgebungstemperatur
Temperatura ambiente admisible
Temperatura ambiente permisible
允许的运行温度



Max. +60°C (140°F)
 Min. -40°C (-40°F)



PS / MWP
 34 bar (493 psig)

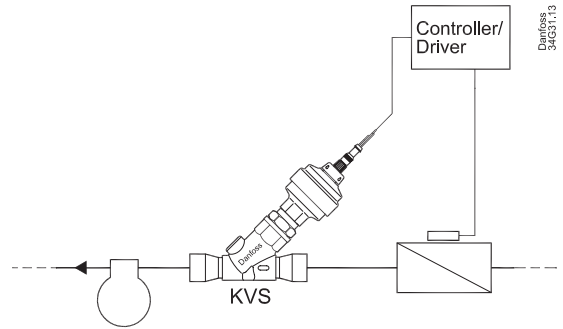
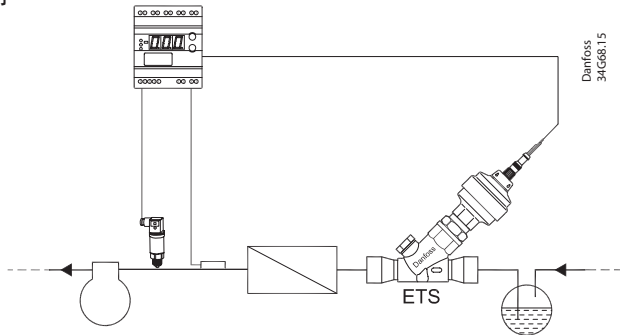


* Flow direction for liquid
 verification using the sight glass

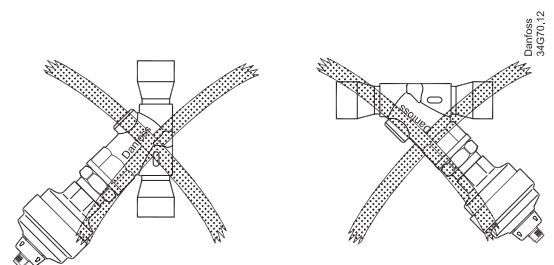
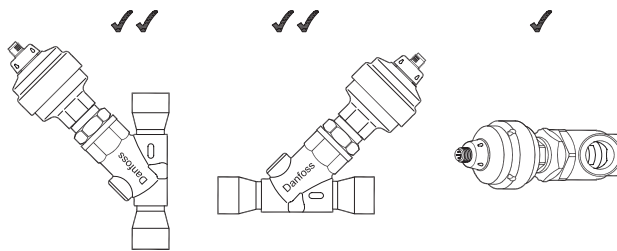
Compatible refrigerants / Kompatibilität / Fluides compatibles / Compatibilidad de refrigerantes / 适用的冷媒	R134a, R404A, R507 R407C, R410A, R22 and other refrigerants
Fluid temperature / Kältemitteltemperaturbereich / Température du fluide / temperatura líquida / 流体温度	-40°C to 65°C (-40°F to 149°F)
Nominal voltage / Nennspannung / Tension nominale / Voltaje nominal / 名义电压	12 V DC
Phase current / Phasenstrom / Phase électrique / Corriente de fase / 相电流	100 mA
Resistance / Widerstand / résistance électrique / Resistencia / 电阻	52 Ω
Stepper motor type / Schrittmotortype / Type de moteur pas à pas / Tipo de motor a pasos / 步进电机形式	Bipolar / 单级

ETS 250*
 ETS 400*
 KVS 42 (without sight glass)

Application
Anwendung
Application
Aplicación
应用



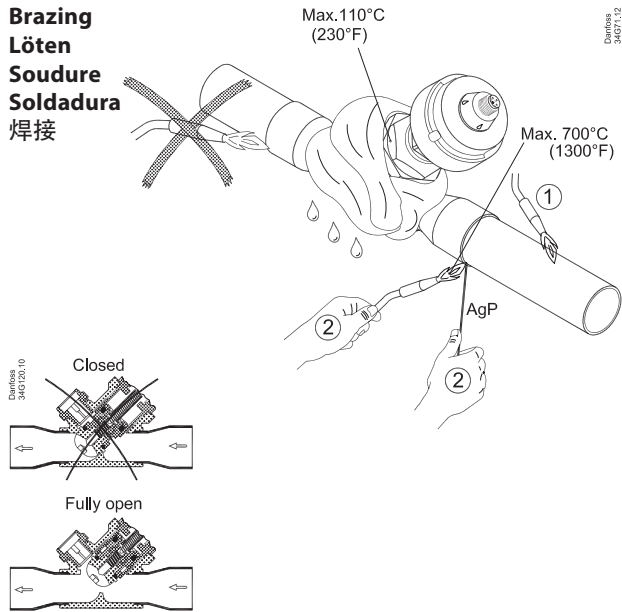
Mounting
Einbau
Montage
Instalación
安装



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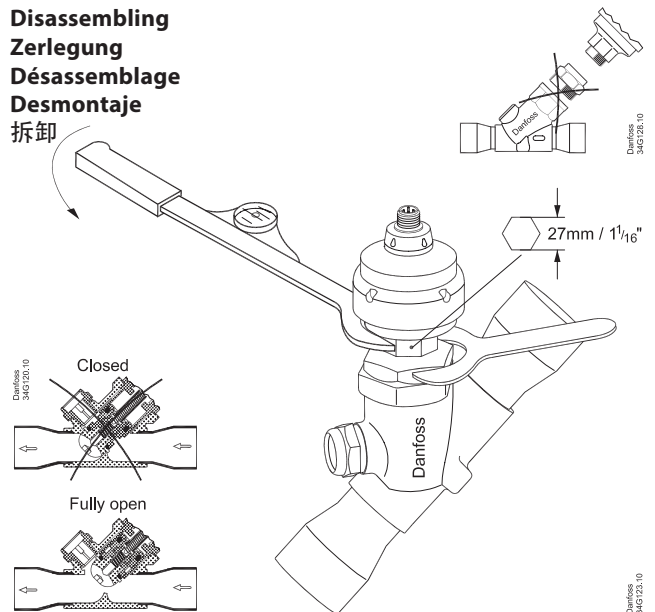
034R9799

**Brazing
Löten
Soudure
Soldadura
焊接**



Danfoss
34G117.2

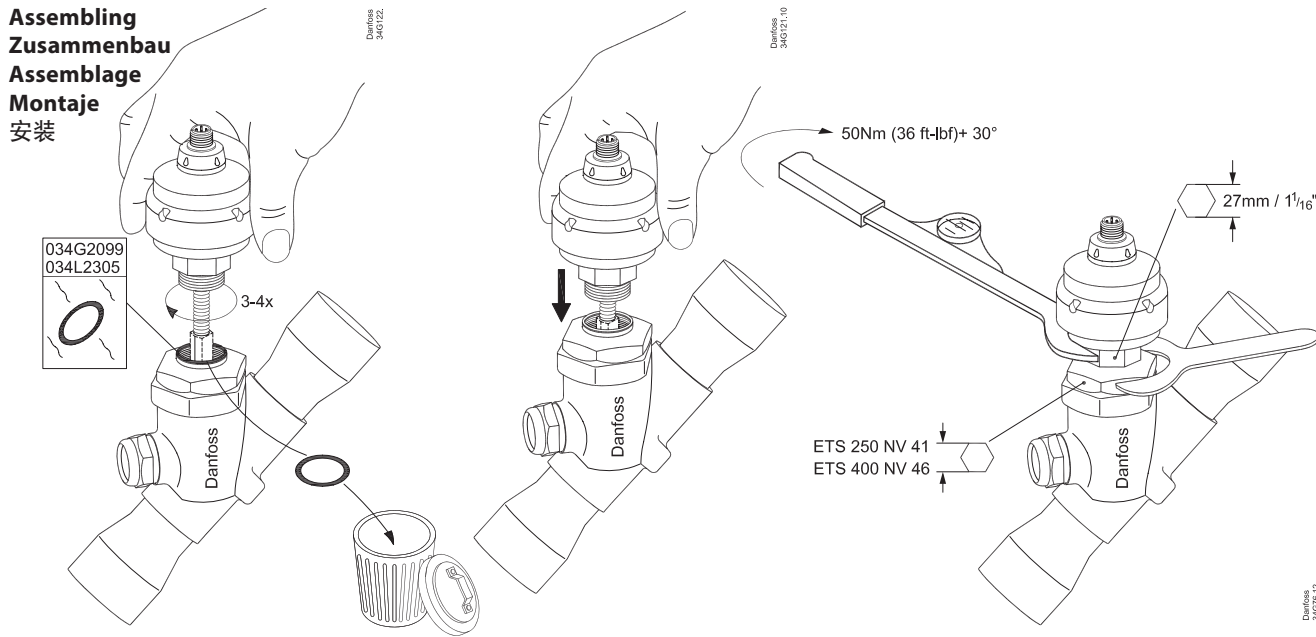
**Disassembling
Zerlegung
Désassemblage
Desmontaje
拆卸**



Danfoss
34G120.10

Danfoss
34G121.10

**Assembling
Zusammenbau
Assemblage
Montaje
安装**

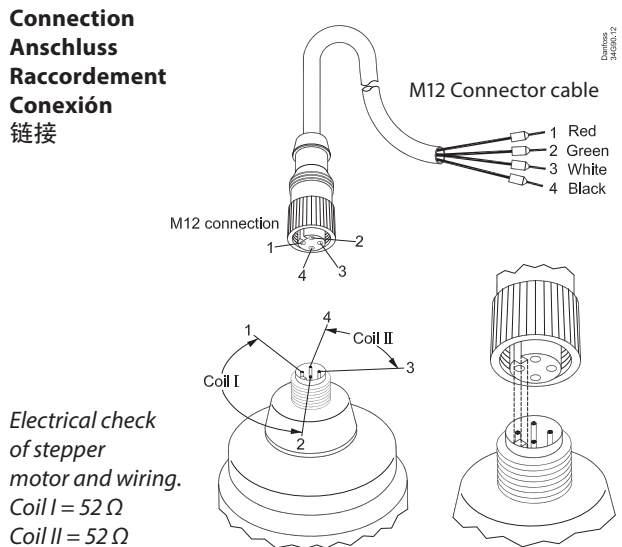


Danfoss
34G122

Danfoss
34G121.10

Danfoss
34G117.2

**Connection
Anschluss
Raccordement
Conexión
链接**

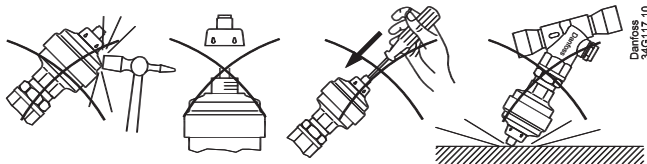


Danfoss
34G117.2

Electrical check
of stepper
motor and wiring.
Coil I = 52 Ω
Coil II = 52 Ω



Warning! / Achtung! / Attention! / Advertencia! / 警告



Danfoss
34G117.10

- Do not connect directly to AC/DC power source. Connect valve to appropriate controller/driver only. Do not operate valve while assembling or disassembling.
- Bitte den ETS nicht direkt mit einer Spannungsquelle (Gleich- oder Wechselstrom) verbinden. Schließen Sie das Ventil nur an geeignete Regler/Steuergeräte an. Ventil bitte nicht in zerlegtem Zustand ansteuern.
- Ne pas raccorder directement le moteur à une alimentation AC / DC. Raccorder la vanne au régulateur approprié. Ne pas actionner la vanne pendant le montage ou le démontage.
- No aplicar tensión directamente a la válvula. Conectar la válvula a un controlador/driver adecuado. No haga funcionar la válvula durante el montaje o desmontaje.
- 请仅将阀门连接于合适的控制器/驱动器，勿直接与交流或直流电源连接。在安装和拆卸阀门时请勿操作电子膨胀阀。