



# Managing efficient, safe and trouble-free evaporator operation

## 2 product codes selection for 1 installation

With best-in-class components, the SCK, Stepper Superheat Controller Kit and ETS 5M deliver a versatile and high-performance solution for LBP, MBP and HBP systems, from 0.5 kW to 32 kW capacities.

### Applications

- Cold room
- Chiller

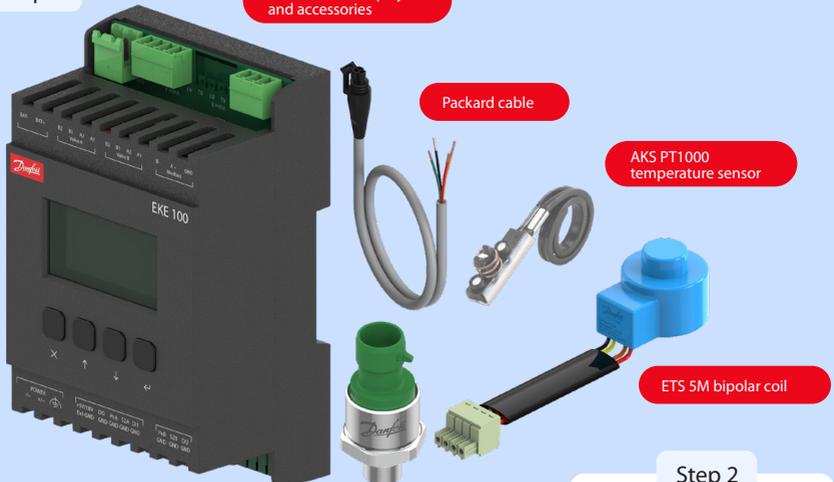
### References

2 product codes  
Kit + Expansion valve

### Compatibility

All traditional and A2L refrigerants

### Step 1



### Step 2



Kit code : 080G9100

## 2 product codes selection for 1 installation

The SCK Superheat Controller Kit + ETS 5M valve enable simple, fast installation while reducing volume in stock.

**SCK kit brings together 5 essential components into one convenient package solution.**

Kit code : 080G9100

- **EKE 100 SH controller and stepper valve driver:** With stable, precise performance and control logic, superior operating conditions, and easy setup via KoolProg PC suite, Koolkey, Display and Modbus, the EKE 100 supports highly reliable system functioning — encapsulating 20+ years of experience in superheat management and valve drive.
- **Packard cable**
- **ETS 5M bipolar coil with 12DC V;** Electrical connector is suitable for any ETS 5M valve MC-RA3.5H04C-0001; Features 2.7 m length.
- **AKS 11 temperature sensor** can be used for temperature logging on monitoring in conjunction with Danfoss controllers. The sensor is color coded, comes adjusted and complies with the requirements tolerance in EN 60751, class B; Features 8.5 m cable length.
- **DST P110 pressure transmitter** 1 to 12 bar is designed for demanding applications. Running a powerful ARM-based microcontroller, the DST P110 offers diagnostic and scalable performance features.



### **+** Select the ETS 5M valve for your system capacity:

To offer it for a broad range of applications, you just, in complement, select the expansion valve which fits your system capacity.

- **ETS 5M** Best-in-class expansion stepper motor valve, fits a broad range of chillers and cold rooms. It is a compact and lightweight valve with a high level of reliability. It provides a precise solution for expansion and flow control in a wide range of refrigeration and air conditioning including reversible systems.

Type	Orifice size	Inlet x Out - let	Rated cap.		Code no
	[mm]	[in]	R448/449A kW	R454C kW	
ETS 5M10	1.0	1/4 x 1/4	4,07	3,72	034G6423
ETS 5M13	1.3	1/4 x 1/4	7,84	7,145	034G6404
ETS 5M17	1.65	1/4 x 1/4	10,89	9,92	034G6407
ETS 5M20	2.0	1/4 x 1/4	14,42	13,11	034G6409
ETS 5M24	2.4	1/4 x 1/4	17,59	15,98	034G6412
ETS 5M25	2.5	1/2 x 1/2	19,77	18,03	034G6501
ETS 5M30	3.0	1/2 x 1/2	26,71	24,33	034G6503
ETS 5M35	3.5	1/2 x 1/2	29,77	27,14	034G6505
ETS 5M40	4.0	1/2 x 1/2	33,6	30,55	034G6507

Design config shape L; Conn typ solder, ODM; Pack format, multi pack ; Qty/ Pack, 20 pieces  
Capacities MBP: -10°C evap / +43°C cond. / SH 8K / SC 1K



Check in **Coolselector2®** or in Danfoss datasheet for performance, capacities and refrigerant compatibility of each individual component.