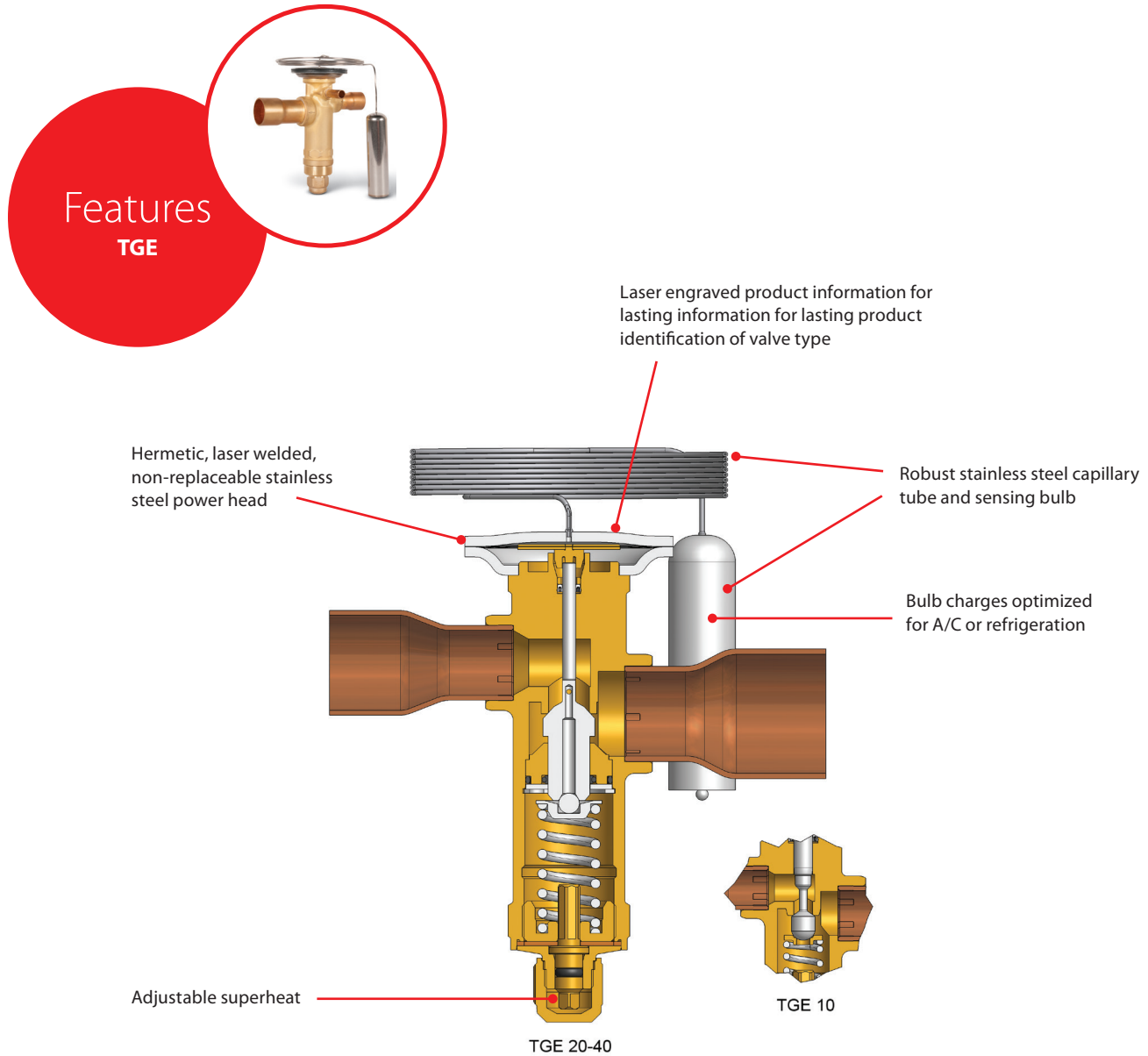


TGE - Thermostatic Expansion Valves

Danfoss TGE thermostatic expansion valves are designed for commercial air conditioning and refrigeration. They feature a balanced port design which reduces the influence from varying condensing pressures. The air conditioning valves in this catalog feature an anti-hunt charge optimized for A/C applications and the refrigeration valves are designed for stable operation across a wide temperature range.

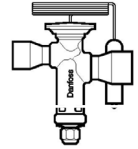


Facts

Applications:

- Traditional refrigeration
- Residential air conditioning
- Rooftops
- Commercial air conditioning
- Chillers
- Refrigerants: R-22, R-407C, R-410A, R-404A, R-507A, R-134a
- Capacity range: 9 to 46 tons (varies by refrigerant)
- Temperature range:
 - Refrigeration Valves: -40 °F to +50 °F
 - Air Conditioning Valves: -22 °F to +60 °F
- Balanced port

Technical data and ordering



TGE

Danfoss Type	Competitor Model Numbers	Nominal capacity (tons) ³	Solder ODF connection (in.)	Danfoss Code No.
R-22, MAH charge¹		R-407C, MAH charge¹		
TGEX 10	SVE-5, EVRE-5	6	½ × ⅝	067N9403
TGEX 10	SVE-5, EVRE-5	6	½ × ⅞	067N9404
TGEX 10	SVE-6, EVRE-6	7 ½	⅝ × ⅞	067N9406
TGEX 10	SVE-6, EVRE-6	7 ½	⅝ × 1 ⅛	067N9483
TGEX 10	SVE-8, SVE-10, EBSVE 8, EVRE 8, EVRE 10	11	⅝ × ⅞	067N9407
TGEX 20	EBSVE 11, EVRE 12	12	⅝ × ⅞	067N9409
TGEX 20	EBSVE15, OVE 15	15	⅝ × 1 ⅛	067N9411
TGEX 20	EBSVE15, OVE 15	15	⅞ × 1 ⅛	067N9412
TGEX 20		18	⅞ × 1 ⅛	067N9413
TGEX 40	EBSVE 20, OVE 20	26	⅞ × 1 ⅜	067N9415
TGEX 40	OVE 30	30	1 ⅛ × 1 ⅜	067N9418
TGEX 40	OVE 40	38	2 ⅛ × 1 ⅜	067N9419
R-410A, MAH charge¹				
TGEL 10	ERZE-8	9	⅝ × ⅞	067N9206
TGEL 10	ERZE-12.5	13	⅝ × ⅞	067N9207
TGEL 20	ERZE-15	15	⅝ × ⅞	067N9209
TGEL 20	ERZE-15	15	⅝ × 1 ⅛	067N9210
TGEL 20	OZE-20	23	⅞ × 1 ⅛	067N9213
TGEL 20	OZE-20	23	1 ⅛ × 1 ⅛	067N9284
TGEL 40	OZE-25	31	⅞ × 1 ⅛	067N9285
TGEL 40	OZE-25	31	⅞ × 1 ⅜	067N9215
TGEL 40	OZE-35	35	1 ⅛ × 1 ⅜	067N9218
TGEL 40		46	1 ⅛ × 1 ⅜	067N9219
R-134a, N charge²				
TGEN 10	SJE-5, SJE-6, EBSJE-5	7	⅝ × 1 ⅛	067N5158
TGEN 20	EBSJE-7	8	⅝ × ⅞	067N5159
TGEN 20	EBSJE-12, OJE-12	12	⅞ × 1 ⅛	067N5163
TGEN 40	OJE-16	17	1 ⅛ × 1 ⅛	067N5254
TGEN 40		20	1 ⅛ × 1 ⅛	067N5255
TGEN 40	OJE-23	25	1 ⅛ × 1 ⅜	067N5169
R-404A, N charge²		R-507A, N charge²		
TGES 10	SSE-3	4	½ × ⅞	067N6151
TGES 10	SSE-4	5	½ × ⅞	067N6166
TGES 10	SSE-4	5	⅝ × ⅞	067N6150
TGES 10	SSE-6, SSE-7, EBSSE-6	7 ½	⅝ × ⅞	067N6154
TGES 20	EBSSE-7.5	9	⅝ × ⅞	067N6158
TGES 20	EBSSE-10, OSE-9	11	⅝ × ⅞	067N6188
TGES 20	EBSSE-10, OSE-9	11	⅝ × 1 ⅛	067N6155
TGES 20	EBSSE-10, OSE-9	11	⅞ × 1 ⅛	067N6181
TGES 20	EBSSE-13, OSE-12	13	⅞ × 1 ⅛	067N6162
TGES 20	OSE-21	21	1 ⅛ × 1 ⅜	067N6186

¹MAH charge: -22 °F to 60 °F, Maximum operating temperature = 300 °F

²N charge: -40 °F to 50 °F, Maximum operating temperature = 210 °F

³Nominal capacity based on ARI standard: Evaporating temperature = 40 °F, Liquid temperature = 98 °F, Condensing temperature = 100 °F

Spare Parts and Accessories

Description	Danfoss Code No.
Bulb strap	067N0557