***RFGB** SERIES*

THERMOSTATIC EXPANSION VALVE

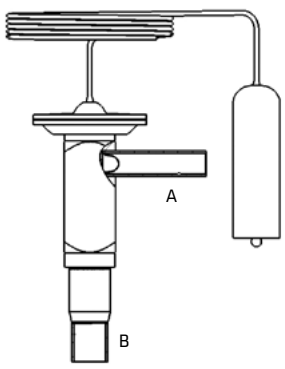
RFGB series thermostatic expansion valves are used to adjust mass flow of refrigerant into the evaporator while controlling the refrigerant´s superheat at the outlet of the evaporator. They can be used for various refrigerants under all working conditions. Typical applications are refrigeration systems like commercial refrigerators and freezers, icemakers, dehumidifiers as well as air conditioners and heat pumps at various evaporation temperatures. The RFGB series is suitable for R134a, R404A/R507A and R407C, while the RFGB 06 series has been specifically designed and optimized for application with propane (R290).

FEATURES

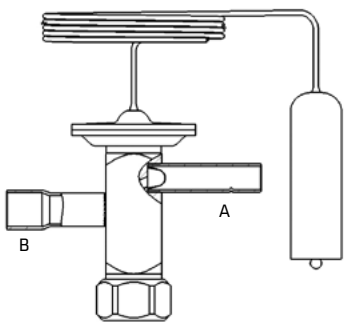
- COMPACT DESIGN WITH BUILD-IN ORIFICE
- WARM THERMO HEAD CONSTRUCTION
- ALL CONNECTIONS PIPES ARE COMPLETELY IN COPPER
- BULB AND CAPILLARY IN STAINLESS STEEL GUARANTEE HIGH ROBUSTNESS
- VALVES WITH MOP FUNCTION CAN BE PROVIDED TO ASSURE RELIABLE COMPRESSOR OPERATION
- APPLICABLE IN A WIDE EVAPORATION TEMPERATURE RANGE
- RELIABLE AND CONSISTENT PERFORMANCE OF SUPERHEAT CONTROL

GENERAL SPECIFICATION

- Applicable for refrigerants:
  R134a, R404A/R507A, R407C, R290
- A2L refrigerants (including those under evaluation) available upon request
- Ambient temperature min./max.: -35/+55°C
- Medium temperature TS min./max.: -40°C / +70°C
- Factory setting for static super heat: 3.5 K
- Max. operating pressure PS: 3,5 MPa (35 bar)
- Installation position:
  - Preferably valve head upwards
  - Flow direction from inlet A to outlet B
- Certifications: UL/CSA and PED declaration



Angle version



Straight version

THERMOSTATIC EXPANSION VALVE

TECHNICAL PARAMETERS

- RFGB valve available in straight shape with adjustable superheat on site
- RFGB valve available in angle shape with fixed factory superheat settings
- Both versions are available with the following solder connections
  - Metric: Inlet 6mm ODF/ Outlet 10mm ODF or Inlet 10mm ODF/ Outlet 12mm ODF
  - Imperial: Inlet 1/4" ODF/ Outlet 3/8" ODF or Inlet 3/8" ODF/ Outlet 1/2" ODF
- Equalization port available as option:
  - Metric: 6mm ODF (available for models with metric solder connections)
  - Imperial: 1/4" ODF (available for models with imperial solder connections)
- Capillary tube length 800mm

MODEL DESIGNATION LEGEND

Position Number	Model Designation Legend	
1	**Product Code**	**Product Series**
	RFGB	Thermostatic expansion valve with build-in orifice
2	**Refrigerant**	**Description**
	02	R407C
	03	R404A / R507A
	04	R134a
	06	R290
3	**Pressure Equalization**	**Description**
	E	External pressure equalization
	(Omitted)	Internal pressure equalization
4	**Capacity**	**Description**
	YY	Nominal valve capacity in tons (USRT)
5	**Internal Code**	**Description**
	2XXX	Straight Layout + Internal consequential code
	6XXX	Angle Layout + Internal consequential code

THERMOSTATIC EXPANSION VALVE

MODEL DESIGNATION EXAMPLE

Position Number					According to Model Designation Legend
1	2	3	4	5	
RFGB	06	E	1.0	xxxx	Thermostatic expansion valve with build-in orifice
RFGB	**06**	E	1.0	xxxx	Refrigerant: R290
RFGB	06	**E**	1.0	xxxx	With connection for external pressure equalization
RFGB	06	E	**1.0**	xxxx	Capacity: Nominal value 1.0 USRT (3.5kW)
RFGB	06	E	1.0	**6xxx**	Angle Shape + Internal consequential code

MODELS DESIGNATION (VALVE HEAD)

Code	Description
GB06E-0.17-2800	Part number
-40/+10°C	Evaporating temperature (°C)
-40/+50°F	Evaporating temperature (°F)
R290	Refrigerant
MWP 3.5Mpa	Max. Working Pressure (MPa)
MWP 505psig	Evaporating temperature (Psig)

THERMOSTATIC EXPANSION VALVE

TECHNICAL DATA

Nominal Cooling Capacities [1) 2)]

Nominal Cooling Capacities[1)2)]				
Refrigerant	**Size**	**Valve Nomenclature**	**Capacity**	
			[USRT]	**[kW]**
R407C	0	RFGB02(E)-0.19-xxx	0,19	0,67
	1	RFGB02(E)-0.38-xxx	0,38	1,30
	2	RFGB02(E)-0.76-xxx	0,76	2,70
	3	RFGB02(E)-1.1-xxx	1,10	3,90
	4	RFGB02(E)-1.6-xxx	1,60	5,60
	5	RFGB02(E)-2.2-xxx	2,20	7,70
R404A / R507A	0	RFGB03(E)-0.13-xxx	0,13	0,50
	1	RFGB03(E)-0.25-xxx	0,25	0,90
	2	RFGB03(E)-0.5-xxx	0,50	1,80
	3	RFGB03(E)-0.7-xxx	0,70	2,50
	4	RFGB03(E)-1.0-xxx	1,00	3,50
	5	RFGB03(E)-1.4-xxx	1,40	4,90
R134a	0	RFGB04(E)-0.12-xxx	0,12	0,40
	1	RFGB04(E)-0.23-xxx	0,22	0,80
	2	RFGB04(E)-0.44-xxx	0,44	1,50
	3	RFGB04(E)-0.63-xxx	0,63	2,20
	4	RFGB04(E)-0.94-xxx	0,94	3,30
	5	RFGB04(E)-1.3-xxx	1,30	4,60
R290	0	RFGB06(E)-0.17-xxx	0,17	0,60
	1	RFGB06(E)-0.35-xxx	0,35	1,20
	2	RFGB06(E)-0.7-xxx	0,70	2,50
	3	RFGB06(E)-1.0-xxx	1,00	3,50
	4	RFGB06(E)-1.5-xxx	1,50	5,30
	5	RFGB06(E)-2.0-xxx	2,00	7,00

Note:

1) Nominal capacity valid for: - Version in straight and angle shape -
- Versions with metrical and imperial connections

2) Nominal working conditions: Condensing temperature: 38°C; evaporating temperature +4,4°C;
Liquid temperature 37°C

THERMOSTATIC EXPANSION VALVE

MODEL LIST

Table 1

Temperature ***Range N: from -40°C to +10°C****, without MOP*
Models with ***Straight layout*** *and adjustable static superheat setting*
Models with ***Imperial Connections***
Models with ***External Equalization****: connection size 1/4" (*)*

Refri-gerant	Valve Size	Capacity	Bleed	Connection (Solder ODF) IN/OUT	Model Name [Internal Eq.]	Product Number (U11) [Internal Eq.]	Model Name [External Eq.]*	Product Number (U11) [External Eq.]
		[kW]	[%]	[inch]				
R290	0	0,6	15%	1/4"; 3/8"	RFGB06-0.17-2xxx	On Request	RFGB06E-0.17-2xxx	On Request
	0	0,6	0%	1/4"; 3/8"	RFGB06-0.17-2800	102052520	RFGB06E-0.17-2840	102052671
	0	0,6	0%	3/8"; 1/2"	RFGB06-0.17-2880	102052638	RFGB06E-0.17-2920	102052729
	1	1,2	15%	1/4"; 3/8"	RFGB06-0.35-2806	On Request	RFGB06E-0.35-2xxx	On Request
	1	1,2	0%	1/4"; 3/8"	RFGB06-0.35-2801	102052521	RFGB06E-0.35-2841	102052672
	1	1,2	0%	3/8"; 1/2"	RFGB06-0.35-2881	102052508	RFGB06E-0.35-2921	102052730
	2	1,2	15%	1/4"; 3/8"	RFGB06-0.7-2xxx	On Request	RFGB06E-0.7-2xxx	On Request
	2	2,5	0%	1/4"; 3/8"	RFGB06-0.7-2802	102052522	RFGB06E-0.7-2842	102052673
	2	2,5	0%	3/8"; 1/2"	RFGB06-0.7-2882	102052505	RFGB06E-0.7-2922	102052731
	3	3,5	15%	1/4"; 3/8"	RFGB06-1.0-2808	On Request	RFGB06E-1.0-2xxx	On Request
	3	3,5	0%	1/4"; 3/8"	RFGB06-1.0-2803	102052540	RFGB06E-1.0-2843	102052674
	3	3,5	0%	3/8"; 1/2"	RFGB06-1.0-2883	102052639	RFGB06E-1.0-2923	102052732
	4	5,3	15%	1/4"; 3/8"	RFGB06-1.5-2807	On Request	RFGB06E-1.5-2xxx	On Request
	4	5,3	0%	1/4"; 3/8"	RFGB06-1.5-2804	102052541	RFGB06E-1.5-2844	102052675
	4	5,3	0%	3/8"; 1/2"	RFGB06-1.5-2884	102052640	RFGB06E-1.5-2924	102052733
	5	7	0%	1/4"; 3/8"	RFGB06-2.0-2805	102052542	RFGB06E-2.0-2845	102052676
	5	7	0%	3/8"; 1/2"	RFGB06-2.0-2885	102052641	RFGB06E-2.0-2925	102052441
R407C	0	0,67	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB02-0.19-2xxx	On Request	RFGB02E-0.19-2xxx	On Request
	1	1,3	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB02-0.38-2xxx	On Request	RFGB02E-0.38-2xxx	On Request
	2	2,7	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB02-0.76-2xxx	On Request	RFGB02E-0.76-2xxx	On Request
	3	3,9	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB02-1.1-2xxx	On Request	RFGB02E-1.1-2xxx	On Request
	4	5,6	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB02-1.6-2xxx	On Request	RFGB02E-1.6-2xxx	On Request
	5	7,7	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB02-2.2-2xxx	On Request	RFGB02E-2.2-2xxx	On Request
R404A / R507A	0	0,5	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB03-0.13-2xxx	On Request	RFGB03E-0.13-2xxx	On Request
	1	0,9	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB03-0.25-2xxx	On Request	RFGB03E-0.25-2xxx	On Request
	2	1,8	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB03-0.5-2xxx	On Request	RFGB03E-0.5-2xxx	On Request
	3	2,5	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB03-0.7-2xxx	On Request	RFGB03E-0.7-2xxx	On Request
	4	3,5	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB03-1.0-2xxx	On Request	RFGB03E-1.0-2xxx	On Request
	5	4,9	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB03-1.4-2xxx	On Request	RFGB03E-1.4-2xxx	On Request
R134a	0	0,4	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB04-0.12-2xxx	On Request	RFGB04E-0.12-2xxx	On Request
	1	0,8	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB04-0.23-2xxx	On Request	RFGB04E-0.23-2xxx	On Request
	2	1,5	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB04-0.44-2xxx	On Request	RFGB04E-0.44-2xxx	On Request
	3	2,2	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB04-0.63-2xxx	On Request	RFGB04E-0.63-2xxx	On Request
	4	3,3	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB04-0.94-2xxx	On Request	RFGB04E-0.94-2xxx	On Request
	5	4,6	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB04-1.3-2xxx	On Request	RFGB04E-1.3-2xxx	On Request

THERMOSTATIC EXPANSION VALVE

MODEL LIST

Table 2

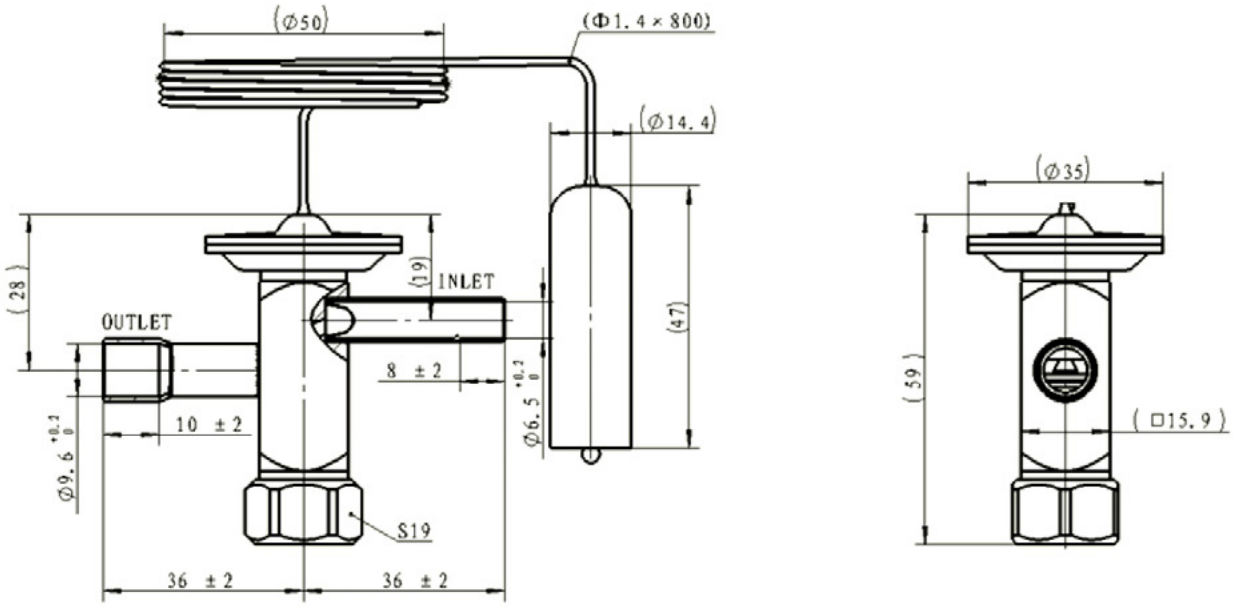
Temperature ***Range N: from -40°C to +10°C****, without MOP*
Models with ***Straight layout*** *and adjustable static superheat setting*
Models with ***Imperial Connections***
Models with ***External Equalization****: connection size 6 mm (*)*

Refri-gerant	Valve Size	Capacity	Bleed	Connection (Solder ODF) IN/OUT	Model Name [Internal Eq.]	Product Number (U11) [Internal Eq.]	Model Name [External Eq.]*	Product Number (U11) [External Eq.]
		[kW]	[%]	[inch]				
R290	0	0,6	15%	6;10	RFGB06-0.17-2xxx	On Request	RFGB06E-0.17-2xxx	On Request
	0	0,6	0%	6;10	RFGB06-0.17-2820	102052570	RFGB06E-0.17-2860	102052706
	0	0,6	0%	10;12	RFGB06-0.17-2900	102052605	RFGB06E-0.17-2940	102052762
	1	1,2	15%	6;10	RFGB06-0.35-2xxx	On Request	RFGB06E-0.35-2xxx	On Request
	1	1,2	0%	6; 10	RFGB06-0.35-2821	102052571	RFGB06E-0.35-2861	102052707
	1	1,2	0%	10; 12	RFGB06-0.35-2901	102052606	RFGB06E-0.35-2941	102052763
	2	2,5	15%	6; 10	RFGB06-0.7-2xxx	On Request	RFGB06E-0.7-2xxx	On Request
	2	2,5	0%	6; 10	RFGB06-0.7-2822	102052572	RFGB06E-0.7-2862	102052708
	2	2,5	0%	10; 12	RFGB06-0.7-2902	102052607	RFGB06E-0.7-2942	102052764
	3	3,5	15%	6; 10	RFGB06-1.0-2xxx	On Request	RFGB06E-1.0-2xxx	On Request
	3	3,5	0%	6; 10	RFGB06-1.0-2823	102052573	RFGB06E-1.0-2863	102052709
	3	3,5	0%	10; 12	RFGB06-1.0-2903	102052608	RFGB06E-1.0-2943	102052765
	4	5,3	0%	6; 10	RFGB06-1.5-2824	102052574	RFGB06E-1.5-2864	102052710
	4	5,3	0%	10; 12	RFGB06-1.5-2904	102052609	RFGB06E-1.5-2944	102052766
	5	7	0%	6; 10	RFGB06-2.0-2825	102052575	RFGB06E-2.0-2865	102052711
	5	7	0%	10; 12	RFGB06-2.0-2905	102052610	RFGB06E-2.0-2945	102052767
R407C	0	0,67	0%	6; 10 // 10; 12	RFGB02-0.19-2xxx	On Request	RFGB02E-0.19-2xxx	On Request
	1	1,3	0%	6; 10 // 10; 12	RFGB02-0.38-2xxx	On Request	RFGB02E-0.38-2xxx	On Request
	2	2,7	0%	6; 10 // 10; 12	RFGB02-0.76-2xxx	On Request	RFGB02E-0.76-2xxx	On Request
	3	3,9	0%	6; 10 // 10; 12	RFGB02-1.1-2xxx	On Request	RFGB02E-1.1-2xxx	On Request
	4	5,6	0%	6; 10 // 10; 12	RFGB02-1.6-2xxx	On Request	RFGB02E-1.6-2xxx	On Request
	5	7,7	0%	6; 10 // 10; 12	RFGB02-2.2-2xxx	On Request	RFGB02E-2.2-2xxx	On Request
R404A / R507A	0	0,5	0%	6; 10 // 10; 12	RFGB03-0.13-2xxx	On Request	RFGB03E-0.13-2xxx	On Request
	1	0,9	0%	6; 10 // 10; 12	RFGB03-0.25-2xxx	On Request	RFGB03E-0.25-2xxx	On Request
	2	1,8	0%	6; 10 // 10; 12	RFGB03-0.5-2xxx	On Request	RFGB03E-0.5-2xxx	On Request
	3	2,5	0%	6; 10 // 10; 12	RFGB03-0.7-2xxx	On Request	RFGB03E-0.7-2xxx	On Request
	4	3,5	0%	6; 10 // 10; 12	RFGB03-1.0-2xxx	On Request	RFGB03E-1.0-2xxx	On Request
	5	4,9	0%	6; 10 // 10; 12	RFGB03-1.4-2xxx	On Request	RFGB03E-1.4-2xxx	On Request
R134a	0	0,4	0%	6; 10 // 10; 12	RFGB04-0.12-2xxx	On Request	RFGB04E-0.12-2xxx	On Request
	1	0,8	0%	6; 10 // 10; 12	RFGB04-0.23-2xxx	On Request	RFGB04E-0.23-2xxx	On Request
	2	1,5	0%	6; 10 // 10; 12	RFGB04-0.44-2xxx	On Request	RFGB04E-0.44-2xxx	On Request
	3	2,2	0%	6; 10 // 10; 12	RFGB04-0.63-2xxx	On Request	RFGB04E-0.63-2xxx	On Request
	4	3,3	0%	6; 10 // 10; 12	RFGB04-0.94-2xxx	On Request	RFGB04E-0.94-2xxx	On Request
	5	4,6	0%	6; 10 // 10; 12	RFGB04-1.3-2xxx	On Request	RFGB04E-1.3-2xxx	On Request

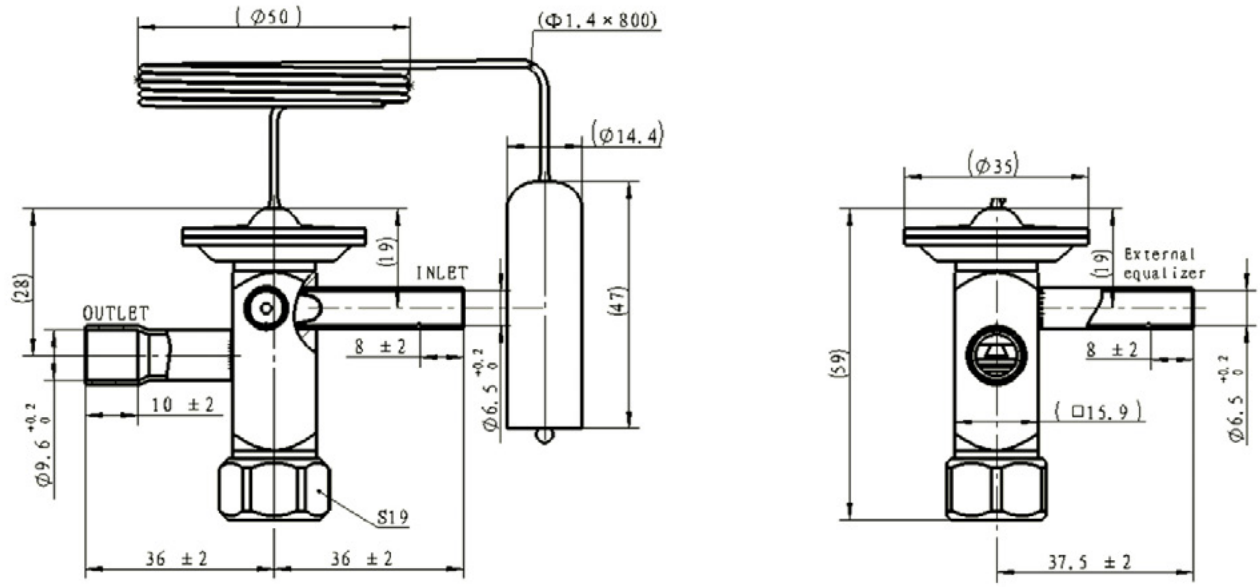
Note: 1) Different evaporation temperature range on request
2) Extent of delivery: valve body and bulb strap
3) MOP function on request
4) Bleed function on request (5%, 10% or 15%)

THERMOSTATIC EXPANSION VALVE

DIMENSIONS STRAIGHT SHAPE VERSION



Internal pressure equalization



External pressure equalization

THERMOSTATIC EXPANSION VALVE

MODEL LIST

Table 3

Temperature ***Range N: from -40°C to +10°C****, without MOP*
Models with ***Angle layout*** *and fixed static super-heat setting*
Models with ***Imperial Connections***
Models with ***External Equalization****: connection size 1/4" (*)*

Refri-gerant	Valve Size	Capacity	Bleed	Connection (Solder ODF) IN/OUT	Model Name [Internal Eq.]	Product Number (U11) [Internal Eq.]	Model Name [External Eq.]*	Product Number (U11) [External Eq.]
		[kW]	[%]	[inch]				
R290	0	0,6	15%	1/4"; 3/8"	RFGB06-0.17-6xxx	On Request	RFGB06E-0.17-6xxx	On Request
	0	0,6	0%	1/4"; 3/8"	RFGB06-0.17-6800	102052797	RFGB06E-0.17-6840	10205293
	0	0,6	0%	3/8"; 1/2"	RFGB06-0.17-6880	102052899	RFGB06E-0.17-6920	102053004
	1	1,2	15%	1/4"; 3/8"	RFGB06-0.35-6xxx	On Request	RFGB06E-0.35-6xxx	On Request
	1	1,2	0%	1/4"; 3/8"	RFGB06-0.35-6801	102052280	RFGB06E-0.35-6841	102052935
	1	1,2	0%	3/8"; 1/2"	RFGB06-0.35-6881	102052900	RFGB06E-0.35-6921	102053005
	2	2,5	15%	1/4"; 3/8"	RFGB06-0.7-6xxx	On Request	RFGB06E-0.7-6xxx	On Request
	2	2,5	0%	1/4"; 3/8"	RFGB06-0.7-6802	102052798	RFGB06E-0.7-6842	102052936
	2	2,5	0%	3/8"; 1/2"	RFGB06-0.7-6882	102052901	RFGB06E-0.7-6922	102053006
	3	3,5	15%	1/4"; 3/8"	RFGB06-1.0-6xxx	On Request	RFGB0E6-1.0-6xxx	On Request
	3	3,5	0%	1/4"; 3/8"	RFGB06-1.0-6803	102052799	RFGB06E-1.0-6843	102052937
	3	3,5	0%	3/8"; 1/2"	RFGB06-1.0-6883	102052902	RFGB06E-1.0-6923	102053007
	4	5,3	0%	1/4"; 3/8"	RFGB06-1.5-6804	102052800	RFGB06E-1.5-6844	102052938
	4	5,3	0%	3/8"; 1/2"	RFGB06-1.5-6884	102052903	RFGB06E-1.5-6924	102053008
	5	7	0%	1/4"; 3/8"	RFGB06-2.0-6805	102052801	RFGB06E-2.0-6845	102052939
	5	7	0%	3/8"; 1/2"	RFGB06-2.0-6885	102052904	RFGB06E-2.0-6925	102053009
R407C	0	0,67	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB02-0.19-6xxx	On Request	RFGB02E-0.19-6xxx	On Request
	1	1,3	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB02-0.38-6xxx	On Request	RFGB02E-0.38-6xxx	On Request
	2	2,7	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB02-0.76-6xxx	On Request	RFGB02E-0.76-6xxx	On Request
	3	3,9	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB02-1.1-6xxx	On Request	RFGB02E-1.1-6xxx	On Request
	4	5,6	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB02-1.6-6xxx	On Request	RFGB02E-1.6-6xxx	On Request
	5	7,7	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB02-2.2-6xxx	On Request	RFGB02E-2.2-6xxx	On Request
R404A / R507A	0	0,5	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB03-0.13-6xxx	On Request	RFGB03E-0.13-6xxx	On Request
	1	0,9	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB03-0.25-6xxx	On Request	RFGB03E-0.25-6xxx	On Request
	2	1,8	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB03-0.5-6xxx	On Request	RFGB03E-0.5-6xxx	On Request
	3	2,5	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB03-0.7-6xxx	On Request	RFGB03E-0.7-6xxx	On Request
	4	3,5	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB03-1.0-6xxx	On Request	RFGB03E-1.0-6xxx	On Request
	5	4,9	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB03-1.4-6xxx	On Request	RFGB03E-1.4-6xxx	On Request
R134a	0	0,4	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB04-0.12-6xxx	On Request	RFGB04E-0.12-6xxx	On Request
	1	0,8	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB04-0.23-6xxx	On Request	RFGB04E-0.23-6xxx	On Request
	2	1,5	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB04-0.44-6xxx	On Request	RFGB04E-0.44-6xxx	On Request
	3	2,2	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB04-0.63-6xxx	On Request	RFGB04E-0.63-6xxx	On Request
	4	3,3	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB04-0.94-6xxx	On Request	RFGB04E-0.94-6xxx	On Request
	5	4,6	0%	1/4"; 3/8" // 3/8"; 1/2"	RFGB04-1.3-6xxx	On Request	RFGB04E-1.3-6xxx	On Request

THERMOSTATIC EXPANSION VALVE

MODEL LIST

Table 4

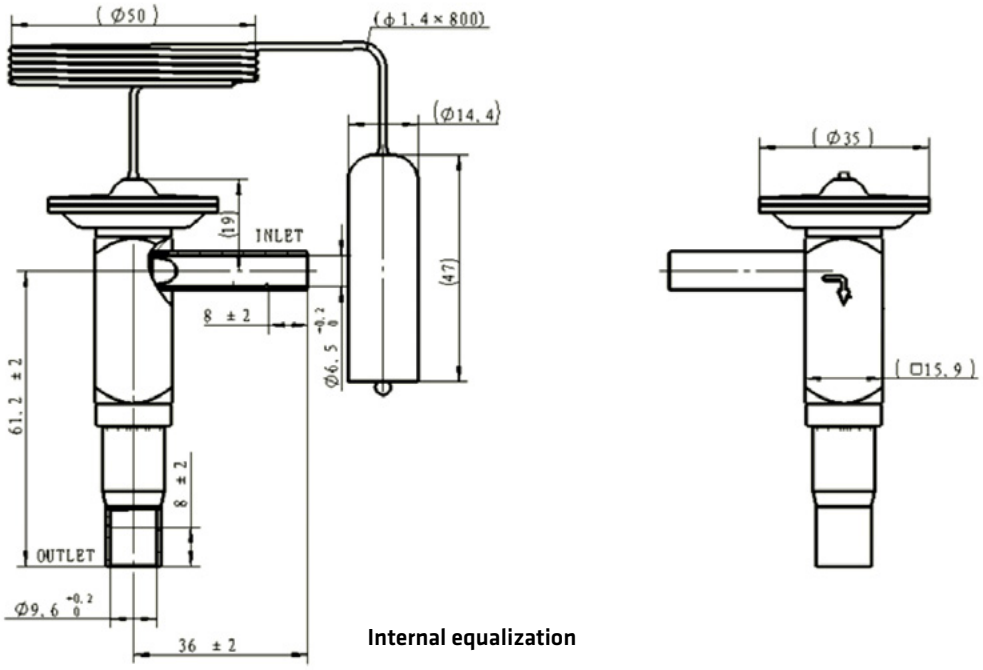
Temperature ***Range N: from -40°C to +10°C****, without MOP*
Models with ***Angle layout*** *and fixed static super-heat setting*
Models with ***Metric Connections***
Models with ***External Equalization****: connection size 6mm (*)*

Refri-gerant	Valve Size	Capacity [kW]	Bleed [%]	Connection (Solder ODF) IN/OUT [inch]	Model Name [Internal Eq.]	Product Number (U11) [Internal Eq.]	Model Name [External Eq.]*	Product Number (U11) [External Eq.]
R290	0	0,6	15%	6; 10	RFGB06-0.17-6xxx	On Request	RFGB06E-0.17-6xxx	On Request
	0	0,6	0%	6; 10	RFGB06-0.17-6820	102052830	RFGB06E-0.17-6860	102052969
	0	0,6	0%	10; 12	RFGB06-0.17-6900	102052865	RFGB06E-0.17-6940	102053039
	1	1,2	15%	6; 10	RFGB06-0.35-6828	On Request	RFGB06E-0.35-6xxx	On Request
	1	1,2	0%	6; 10	RFGB06-0.35-6821	102052831	RFGB06E-0.35-6861	102052970
	1	1,2	0%	10; 12	RFGB06-0.35-6901	102052866	RFGB06E-0.35-6941	102053040
	2	2,5	15%	6; 10	RFGB06-0.7-6xxx	On Request	RFGB06E-0.7-6xxx	On Request
	2	2,5	0%	6; 10	RFGB06-0.7-6822	102052832	RFGB06E-0.7-6862	102052971
	2	2,5	0%	10; 12	RFGB06-0.7-6902	102052867	RFGB06E-0.7-6942	102053041
	3	3,5	15%	6; 10	RFGB06-1.0-6xxx	On Request	RFGB06E-1.0-6xxx	On Request
	3	3,5	0%	6; 10	RFGB06-1.0-6823	102052833	RFGB06E-1.0-6863	102052972
	3	3,5	0%	10; 12	RFGB06-1.0-6903	102052868	RFGB06E-1.0-6943	102053042
	4	5,3	0%	6; 10	RFGB06-1.5-6824	102052834	RFGB06E-1.5-6864	102052834
	4	5,3	0%	10; 12	RFGB06-1.5-6904	102052869	RFGB06E-1.5-6944	102053043
	5	7	0%	6; 10	RFGB06-2.0-6825	102052835	RFGB06E-2.0-6865	102052974
	5	7	0%	10; 12	RFGB06-2.0-6905	102052870	RFGB06E-2.0-6945	102053044
R407C	0	0,67	0%	6; 10 // 10; 12	RFGB02-0.19-6xxx	On Request	RFGB02E-0.19-6xxx	On Request
	1	1,3	0%	6; 10 // 10; 12	RFGB02-0.38-6xxx	On Request	RFGB02E-0.38-6xxx	On Request
	2	2,7	0%	6; 10 // 10; 12	RFGB02-0.76-6xxx	On Request	RFGB02E-0.76-6xxx	On Request
	3	3,9	0%	6; 10 // 10; 12	RFGB02-1.1-6xxx	On Request	RFGB02E-1.1-6xxx	On Request
	4	5,6	0%	6; 10 // 10; 12	RFGB02-1.6-6xxx	On Request	RFGB02E-1.6-6xxx	On Request
	5	7,7	0%	6; 10 // 10; 12	RFGB02-2.2-6xxx	On Request	RFGB02E-2.2-6xxx	On Request
R404A / R507A	0	0,5	0%	6; 10 // 10; 12	RFGB03-0.13-6xxx	On Request	RFGB03E-0.13-6xxx	On Request
	1	0,9	0%	6; 10 // 10; 12	RFGB03-0.25-6xxx	On Request	RFGB03E-0.25-6xxx	On Request
	2	1,8	0%	6; 10 // 10; 12	RFGB03-0.5-6xxx	On Request	RFGB03E-0.5-6xxx	On Request
	3	2,5	0%	6; 10 // 10; 12	RFGB03-0.7-6xxx	On Request	RFGB03E-0.7-6xxx	On Request
	4	3,5	0%	6; 10 // 10; 12	RFGB03-1.0-6xxx	On Request	RFGB03E-1.0-6xxx	On Request
	5	4,9	0%	6; 10 // 10; 12	RFGB03-1.4-6xxx	On Request	RFGB03E-1.4-6xxx	On Request
R134a	0	0,4	0%	6; 10 // 10; 12	RFGB04-0.12-6xxx	On Request	RFGB04E-0.12-6xxx	On Request
	1	0,8	0%	6; 10 // 10; 12	RFGB04-0.23-6xxx	On Request	RFGB04E-0.23-6xxx	On Request
	2	1,5	0%	6; 10 // 10; 12	RFGB04-0.44-6xxx	On Request	RFGB04E-0.44-6xxx	On Request
	3	2,2	0%	6; 10 // 10; 12	RFGB04-0.63-6xxx	On Request	RFGB04E-0.63-6xxx	On Request
	4	3,3	0%	6; 10 // 10; 12	RFGB04-0.94-6xxx	On Request	RFGB04E-0.94-6xxx	On Request
	5	4,6	0%	6; 10 // 10; 12	RFGB04-1.3-6xxx	On Request	RFGB04E-1.3-6xxx	On Request

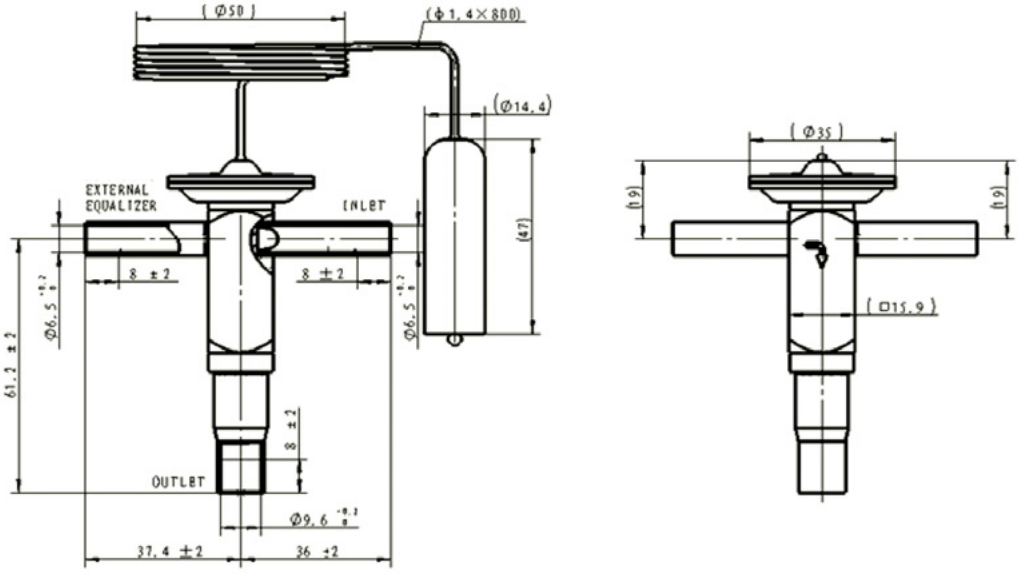
Note: 1) Different evaporation temperature range on request
2) Extent of delivery: valve body and bulb strap
3) MOP function on request
4) Bleed function on request (5%, 10% or 15%)

THERMOSTATIC EXPANSION VALVE

DIMENSIONS - ANGLE SHAPE VERSION



Internal equalization

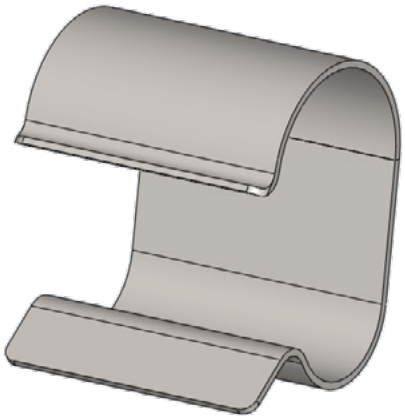


External equalization

THERMOSTATIC EXPANSION VALVE

ACCESSORIES

All the RFGB06 models listed in this datasheet are equipped with stainless-steel clips suitable to fix the sensitive element (bulb) to the suction line piping. The standard clip matches pipes with diameters 9.52mm (3/8"). Clips suitable for pipes with different diameters can be ordered as accessories: models and ordering codes are visible in the table below. As an alternative Sanhua offers a stainless-steel stripe to fix the bulb suitable for a wide range of pipe diameters.

Picture	Type / Pipe	Model	Ordering Number (U11)	Quantity per Pack
	Stripe	RFK-000-019013	20201012702	160
	Clip [6 mm]	RFK-000-025024	20205202201	500
	Clip [8 mm]	RFK-000-025022	20205202001	
	Clip [10 mm]	RFK-000-025021	20205201901	
	Clip [12 mm]	RFK-000-025023	20205202101	
	Clip [1/4"]	RFK-000-025024	20205202201	
	Clip [5/16" mm]	RFK-000-025022	20205202001	
	Clip [3/8" mm]	RFK-000-025021	20205201901	
	Clip [1/2" mm]	RFK-000-025023	20205202101	