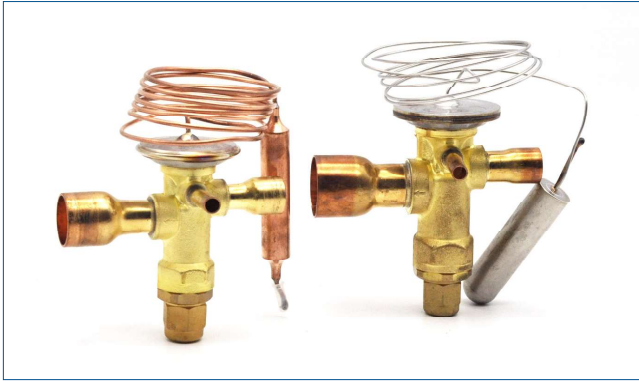


Thermostatic Expansion Valve

RFGD series

热力膨胀阀 - RFGD 系列



RFGD10/20 series thermostatic expansion valves adjust mass flow of refrigerant into the evaporator while controlling the refrigerant's superheat at the evaporator outlet.

They can be used for various refrigerants under all working conditions. Typical applications include commercial refrigerators and freezers, icemakers, dehumidifiers as well as air conditioners at various evaporation temperatures.

FEATURES:

- * Compact design with build-in orifice
- * Balanced port suitable for reversible cycles
- * Thermal bulb utilizes cross charge technology, providing consistent superheat degree over the whole evaporation temperature range
- * 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 SPECIFICATIONS:

- * Applicable for all common HCFC, HFC, HFO refrigerants; models for R407A/F, R1234ze, R1234yf, R450A/R513A are on request
- * Ambient temperature min./max.: -35°C/+55°C
- * Max. operating pressure PS: 4.8 MPa
- * Certifications: UL/CSA and PED declaration
- * Capillary tube length 1500mm as standard
- * Standard MOP values: T. range -25°C to +10°C, MOP: +15°C

RFGD10 Technical Data *

Valve Model	Ref.	Capacity kW	Connection		Pressure Equal.
			Inlet	Outlet	
RFGD 01E-3.0-10	R22	10.6	3/8"	5/8"	1/4"
RFGD 01E-4.0-17		14.1	1/2"	7/8"	
RFGD 01E-6.0-06		21.1	1/2"	7/8"	
RFGD 01E-7.5-19		26.4	5/8"	7/8"	
RFGD 01E-9.0-31		31.7	5/8"	7/8"	
RFGD 01E-11.0-20		38.7	5/8"	7/8"	
RFGD 02E-3.1-33	R407C	10.9	3/8"	5/8"	1/4"
RFGD 02E-4.2-34		14.8	1/2"	7/8"	
RFGD 02E-6.3-35		22.2	1/2"	7/8"	
RFGD 02E-8.1-36		28.5	5/8"	7/8"	
RFGD 02E-9.4-37		33.1	5/8"	7/8"	
RFGD 02E-11.7-38		41.1	5/8"	7/8"	
RFGD 03E-2.0-39	R404A / R507	7.0	3/8"	5/8"	1/4"
RFGD 03E-2.8-40		9.8	1/2"	7/8"	
RFGD 03E-4.2-41		14.8	1/2"	7/8"	
RFGD 03E-5.4-42		19.0	5/8"	7/8"	
RFGD 03E-6.4-43		22.5	5/8"	7/8"	
RFGD 03E-7.8-44		27.4	5/8"	7/8"	
RFGD 04E-1.8-01	R134a	6.3	3/8"	5/8"	1/4"
RFGD 04E-2.5-02		8.8	1/2"	7/8"	
RFGD 04E-3.6-03		12.7	1/2"	7/8"	
RFGD 04E-4.6-04		16.2	5/8"	7/8"	
RFGD 04E-5.5-49		19.3	5/8"	7/8"	
RFGD 04E-6.8-32		23.9	5/8"	7/8"	
RFGD 05E-3.5-22	R410A	12.3	3/8"	5/8"	1/4"
RFGD 05E-4.5-23		15.8	1/2"	7/8"	
RFGD 05E-7.0-24		24.6	1/2"	7/8"	
RFGD 05E-8.6-25		30.2	5/8"	7/8"	
RFGD 05E-10.6-27		37.3	5/8"	7/8"	
RFGD 05E-12.8-26		45.0	5/8"	7/8"	

* Note:

- 1). Above models with evaporating temperature range from -40°C to +10°C (without MOP)
- 2). Nominal capacities referred at the working conditions: condensing temperature 38°C; evaporating temperature +4.4°C; liquid temperature 37°C; static super heating 3.5K

RFGD20 Technical Data *

Valve Model	Ref.	Capacity kW	Connection		Pressure Equal.
			Inlet	Outlet	
RFGD 01E-12.0-506	R22	42.2	5/8"	7/8"	1/4"
RFGD 01E-12.0-513		42.2	5/8"	1-1/8"	
RFGD 01E-15.0-514		52.8	5/8"	1-1/8"	
RFGD 01E-15.0-516		52.8	7/8"	1-1/8"	
RFGD 01E-18.0-518		63.3	7/8"	1-1/8"	
RFGD 01E-18.0-519		63.3	7/8"	1-3/8"	
RFGD 02E-12.0-542	R407C	42.2	5/8"	7/8"	1/4"
RFGD 02E-12.0-543		42.2	5/8"	1-1/8"	
RFGD 02E-15.0-545		52.8	5/8"	1-1/8"	
RFGD 02E-15.0-547		52.8	7/8"	1-1/8"	
RFGD 02E-18.0-549		63.3	7/8"	1-1/8"	
RFGD 02E-18.0-551		63.3	7/8"	1-3/8"	
RFGD 03E-9.0-532	R404A / R507	31.7	5/8"	7/8"	1/4"
RFGD 03E-9.0-533		31.7	5/8"	1-1/8"	
RFGD 03E-11.0-535		38.7	5/8"	1-1/8"	
RFGD 03E-11.0-537		38.7	7/8"	1-1/8"	
RFGD 03E-13.0-539		45.7	7/8"	1-1/8"	
RFGD 03E-13.0-541		45.7	7/8"	1-3/8"	
RFGD 04E-8.0-501	R134a	28.1	5/8"	7/8"	1/4"
RFGD 04E-8.0-502		28.1	5/8"	1-1/8"	
RFGD 04E-10.0-504		35.2	5/8"	1-1/8"	
RFGD 04E-10.0-520		35.2	7/8"	1-1/8"	
RFGD 04E-12.0-522		42.2	7/8"	1-1/8"	
RFGD 04E-12.0-524		42.2	7/8"	1-3/8"	
RFGD 05E-3.5-22	R410A	52.8	5/8"	7/8"	1/4"
RFGD 05E-4.5-23		52.8	5/8"	1-1/8"	
RFGD 05E-7.0-24		66.8	5/8"	1-1/8"	
RFGD 05E-8.6-25		66.8	7/8"	1-1/8"	
RFGD 05E-10.6-27		80.9	7/8"	1-1/8"	
RFGD 05E-12.8-26		80.9	7/8"	1-3/8"	