

Thermostatic Expansion Valves



Emerson

HF Series

HF Series Thermostatic Expansion Valves feature a balanced port construction which provides stable and accurate superheat control over a wide range of operating conditions. Compared to conventional TX valves, under varying system conditions with wide pressure drops, the balanced port HF valve improves superheat control, system operation and valve stability.



Cat. No.	Model No.	Part No.	Refrigerant	BiFlow	Connections			Capillary Length mm
					Inlet	Outlet	Equaliser	
2707204	HFES 8 HCA	056819	R22, R407C	Y	5/8"	7/8"	External 1/4" ODF	1500
2707205	HFES 10 HCA	056820	R22, R407C	Y	5/8"	7/8"	External 1/4" ODF	1500
2707206	HFES 12 HCA	065762	R22, R407C	Y	5/8"	7/8"	External 1/4" ODF	1500
2707207	HFES 15 HCA	056825	R22, R407C	Y	7/8"	1 1/8"	External 1/4" ODF	1500
2707208	HFES 20 HCA	058490	R22, R407C	Y	7/8"	1 1/8"	External 1/4" ODF	1500
2707209	HFES 4 MC	057897	R134a	N	3/8"	1/2"	External 1/4" ODF	1500
2707210	HFES 6 MC	057903	R134a	N	5/8"	7/8"	External 1/4" ODF	1500
2707211	HFES 11 MC	058681	R134a	N	7/8"	1 1/8"	External 1/4" ODF	1500
2707212	HFES 14 MC	064000	R134a	N	7/8"	1 3/8"	External 1/4" ODF	1500
2707222	HFESC 5 SC	058220	R404A, R507	N	3/8"	1/2"	External 1/4" ODF	1500
2707223	HFESC 10 SC	064219	R404A, R507	N	5/8"	7/8"	External 1/4" ODF	1500
2707224	HFESC 13 SC	065356	R404A, R507	N	7/8"	1 1/8"	External 1/4" ODF	1500

Model No.	Nominal Capacity R22, R407C kW	
	AC	MT
HFES 8 HCA	33.4	34.7
HFES 10 HCA	41.9	44.0
HFES 12 HCA	48.6	51.3
HFES 15 HCA	62.0	65.2
HFES 20 HCA	81.7	85.9

Nominal Capacities based on:

AC: 7°C evaporating temperature, 46°C condensing temperature, 1K liquid sub-cooling, 200kPa pressure drop across distributor and line components.
MT: -4°C evaporating temperature, 46°C condensing temperature, 1K liquid sub-cooling, 200kPa pressure drop across distributor and line components.