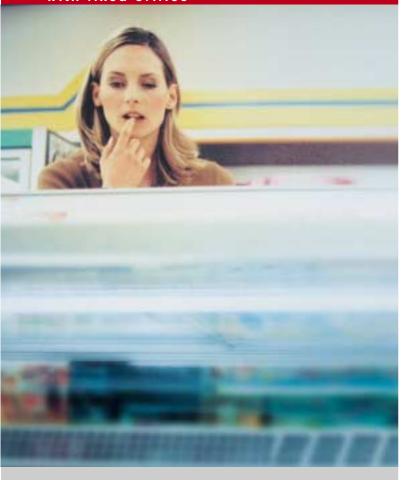
TLE and TLEX Series

Thermostatic expansion valves

with fixed orifice







Honeywell TLE 0.5 - 4.5



Honeywell TLEX 4.75 - 7



Honeywell TLEX 0.5 - 4.5



Honeywell TLEX 8 - 11

TLE keeps you cool

Valves of the TLE and TLEX series at a glance









TLE 0.5 - 4.5

TLEX 0.5 - 4.5

TLEX 4.75 - 7

TLEX 8 -11

You're looking for a valve for a demanding application?

TLE keeps you cool!

Owing to the wide range of variants you will also find a solution for your special case. Do you know breakdowns during initial start-up and after servicing?

TLE keeps you cool!

The special adsorber charge of the bulb avoids a re-condensation of the control charge. This way the TLE valves also operate in most extreme situations such as during high-capacity operation when start-up or when the valve is icy.

You have applications in the low-temperature range?

TLE keeps you cool!

The required application can be maintained by choosing a gas charge for deep-freeze refrigerants up to MOP - 55 °C. You require large cooling capacities?

TLEX keeps you cool!

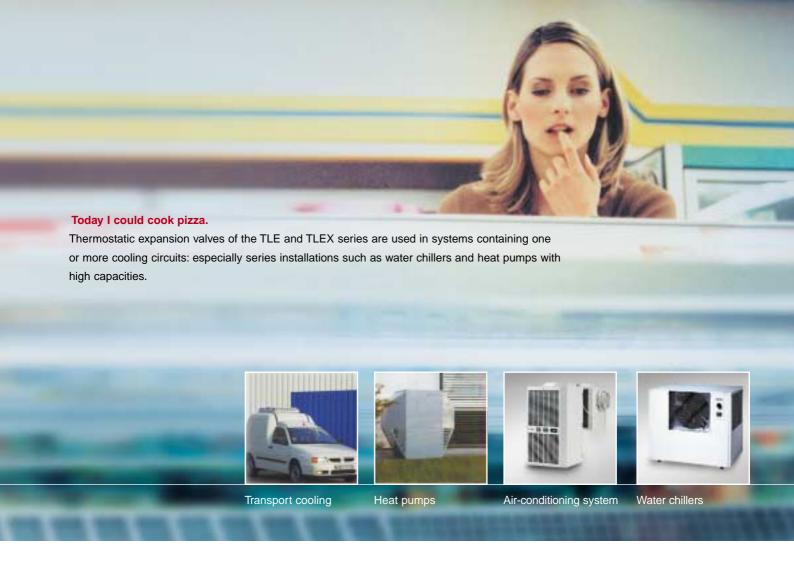
No problem, you can select from a wide range of variants up to a cooling capacity of 92 kW.

Refrigerant	Evaporating temperature range	МОР
R134a, R401A, R12	+ 5 °C to -30 °C -10 °C to -30 °C	MOP A + 15 °C MOP A ± 0 °C
R22, R407C, R407A	+ 5 °C to -45 °C -10 °C to -45 °C -27 °C to -45 °C	MOP A + 15 °C MOP A ± 0 °C MOP A - 18 °C
R404A, R507, R402A, R407B, R502	-10 °C to -50 °C -20 °C to -50 °C -27 °C to -50 °C	MOP A ± 0 °C MOP A - 10 °C MOP A - 18 °C

Refrigerant	Evaporating temperature range	МОР
ISC89	-40 °C to -70 °C -55 °C to -70 °C	MOP - 40 °C MOP - 55 °C
R23	-40 °C to -80 °C -55 °C to -80 °C	MOP - 40 °C MOP - 55 °C
R410A	-40 °C to -70 °C -55 °C to -70 °C	MOP - 40 °C MOP - 55 °C
R508A	-40 °C to -90 °C -55 °C bis -90 °C	MOP - 40 °C MOP - 55 °C
R508B	-40 °C to -100 °C -55 °C to -100 °C	MOP - 40 °C MOP - 55 °C

Adsorber charges with pressure controlled behaviour (MOP)

Gas charge for deep-freeze applications



Do you have problems controlling large cooling systems?

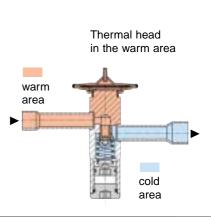
TLEX keeps you cool!

Owing to the balanced port technology an unsteady condensation pressure such as changes of the outside temperature doesn't have any influence on the superheat adjustment.

Does your customer complain about operating costs that are too high?

TLE keeps you cool!

Due to the small graduation of orifice size, the efficiency of your cooling system results in an optimum solution where energy consumption (power consumption) can be reduced. The TLE valves have a "warm thermal head": The thermal head is located in the "warm" area of the refrigerant flow - the inflowing refrigerant is of high temperature. The expansion of the refrigerant does not flow towards the thermal head but away from it. Since a condensation of the control charge (in the thermal head) always takes place at the coldest point, the "warm thermal head" is on the safe side at any time.



Туре	Size of orifice	Nominal capacity in kW*		
		R134a	R22, R407C	R404A, R507
TLE and TLEX	0.5	0.65	0.95	0.70
	0.7	0.90	1.3	1.0
	1.0	1.3	1.9	1.5
	1.5	2.1	3.1	2.3
	2.0	2.7	3.9	2.9
	2.5	3.8	5.6	4.2
	3.0	6.2	8.9	6.7
	3.5	8.2	11.7	8.8
	4.5	11.1	16.3	12.3

Type	Size of orifice	Nominal capacity in kw		
		R134a	R22, R407C	R 404A, R507
TLEX	4.75	15.0	21.5	16.2
	5	18.8	27.9	21.0
	6	26.0	40.7	30.6
	7	33.3	52.3	39.3
TLEX	8	40.8	61.6	46.3
	10	48.0	72.1	54.2
	11	61.1	92.0	69.2

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