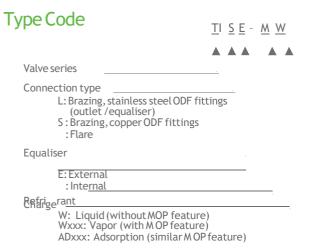
## Thermo™- Expansion Valves Series TI

## **Exchangeable Orifices**

## **Features**

- Laser-welded diaphragm / powerelementwith large diameter for high reliability and maximum lifetime
- Constant superheat across wide application ranges
- Easy and precise superheat setting by internal fine threads
- Three styles of connections:
  - TILE: Stainless steel brazed fittings eliminate the need of wet rags during brazing
  - TIS(E):Copper brazed fittings (valve requires wet rag during brazing
  - -TI(E):Flare
- With capacities between 0.5kW and 19.4 kW (R448A) ideally suited for service work

- Internal or external equaliser
- Cleanable /exchangeable inlet strainer in orifice assembly
- Inlet brazing adapter
- Capillary tube length 1.5 m
- Max. allowable pressure PS: 45 bar
- Temperature range TS:-45...+75°C
- CE Marking acc. PED not required





TIE

Selection Table for Orifice Assembly with Strainer for Inlet Connection

		Nominal Capacity (kW)							
	Туре	TIO-00X	TIO-000	TIO-001	TIO-002	TIO-003	TIO-004	TIO-005	TIO-00
	Part No.	800 532	800 533	800 534	800 535	800 536	800 537	800 538	800 53
	R134a	0.3	0.8	1.9	3.1	5.0	8.3	10.1	11.7
	R22	0.5	1.3	3.2	5.3	8.5	13.9	16.9	19.5
	R404A/R507	0.4	1.0	2.3	3.9	6.2	10.1	12.3	14.2
	R407C	0.5	1.4	3.5	5.7	9.2	15	18.3	21.1
A1	R410A	0.6	1.5	3.7	6.2	9.9	16.2	19.7	22.8
	R448A	0.5	1.3	3.2	5.3	8.5	13.9	16.9	19.4
	R449A	0.5	1.3	3.1	5.2	8.3	13.5	16.5	19.0
	R513A/R450A	0.3	0.7	1.7	2.8	4.5	7.5	9.1	10.6
	R452A	0.4	1.0	2.4	4.0	6.4	10.5	12.8	14.8
	R1234ze	0.2	0.6	1.5	2.4	3.9	6.5	7.9	9.1
	R455A	0.5	1.2	3.0	5.0	8.1	13.2	16.0	18.5
A2L	R454C	0.4	1.1	2.6	4.3	7.0	11.4	13.8	16.0
1	R1234yf	0.2	0.6	1.4	2.2	3.6	6.0	7.3	8.4
	R32	0.9	2.3	5.6	9.2	14.8	24.1	29.3	33.9

Note: Nominal conditions: Evaporating Temperature +4°C (dew point), Condensing
Temperature +38°C (bubble point), Subcooling 1 K. For selection of other operation
conditions, please use the "Controls Navigator" selection tool.