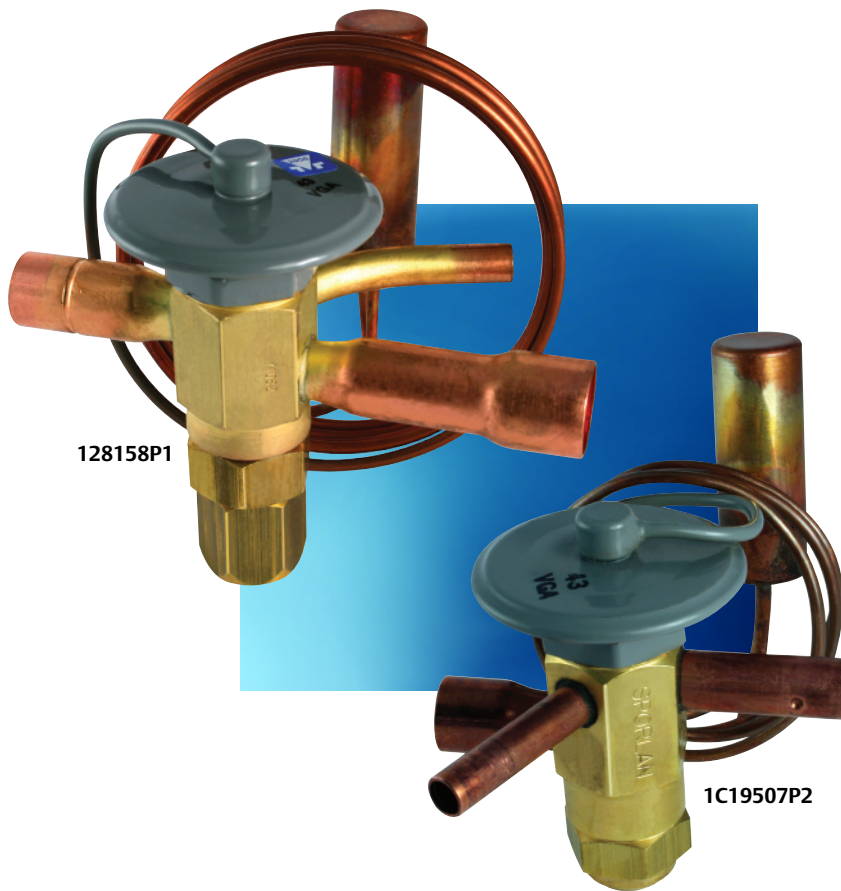


Liebert Thermal Expansion Valve (TXV)

A Liebert precision cooling equipment purchase is an investment in industry-leading technology, quality and performance. To achieve a high degree of temperature and performance control, Liebert installs Thermal Expansion Valves (TXVs) for precise evaporator cooling performance.

Liebert TXVs, in many cases, are modified to achieve the required performance needs. Liebert direct replacement valves require no special adjustments or modifications.



Key Features

- Special “pin” stroke — required for improved valve capacity.
- Rapid Pressure Balancer (RPB) provides “rapid” system pressure equalization by “opening” a bleed port on the “off” cycle (required for low torque compressors).
- Bleed Port is “open” at all times and rated as % of nominal capacity (10% to 50%). Provides system equalization (slower than RPB).
- Capillary tube length for most applications is 60”.
- Many models available to fit individual equipment requirements.

Rapid pressure balancer operation: when the compressor shuts down, the main port pin “closes”, stopping refrigeration flow, while moving a second pin to “open” the bleed port, allowing for rapid system equalization.

Popular Thermal Expansion Valves

Part Number	Key Feature	Tons Nominal	External Equalizer Connection	Capillary Length
127168P1	BLEED PT (30%)	1.5	YES	30"
1C19507P1	RAPID PR BAL	2.0	YES	60"
1C19507P2	RAPID PR BAL	3.0	YES	60"
128157P1	SP PIN STROKE	4.0	YES	60"
P02-0180	SP PIN STROKE	4.4	YES	60"
P02-0170	SP PIN STROKE	5.7	YES	60"
128158P1	SP PIN STROKE	6.0	YES	60"
P02-0190	SPECIAL	10.0	YES	60"
P02-0220	NON-ADJ	10.0	YES	60"
154028P1	BLEED PT (20%)	15.0	YES	30"

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SL-17512 (09/06) Printed in USA

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