

VALVOLA TERMOSTATICA

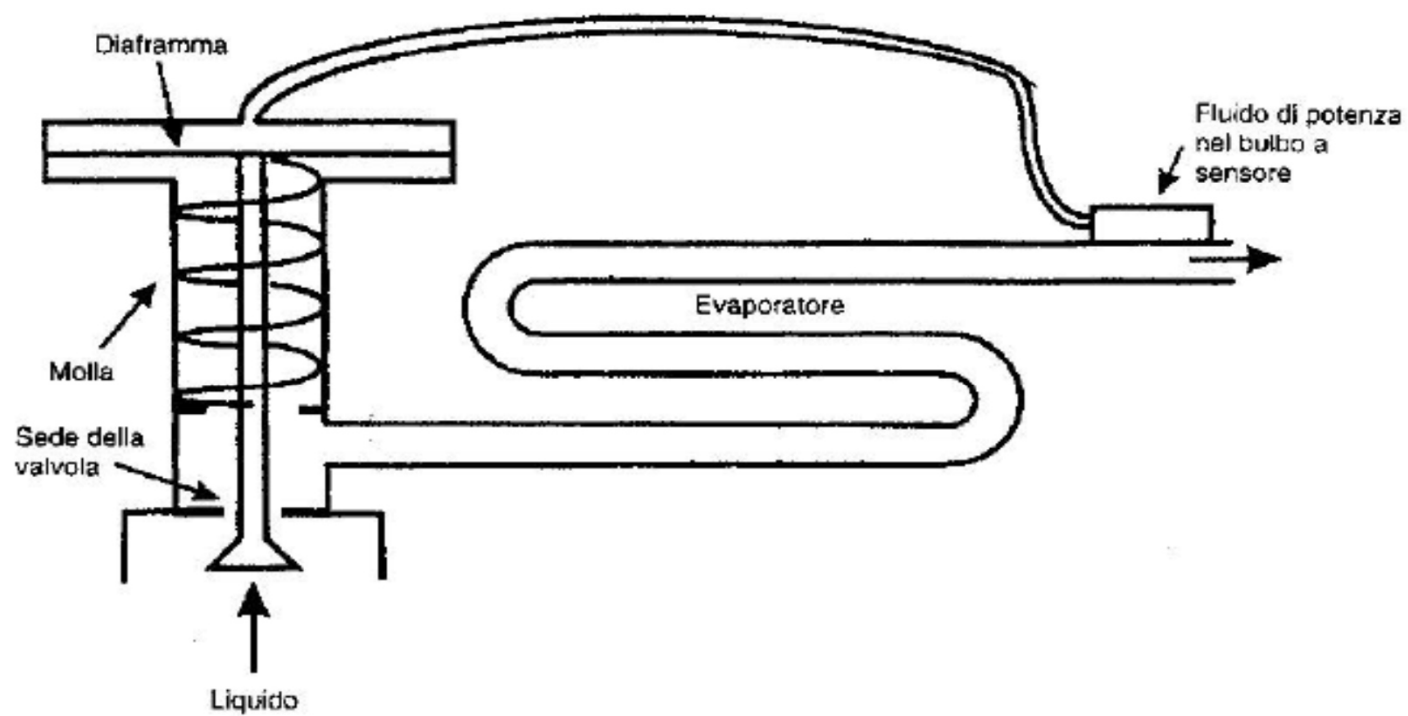


Figura 11.14 – Diagramma schematico della valvola-tipo di espansione controllata dal surriscaldamento.

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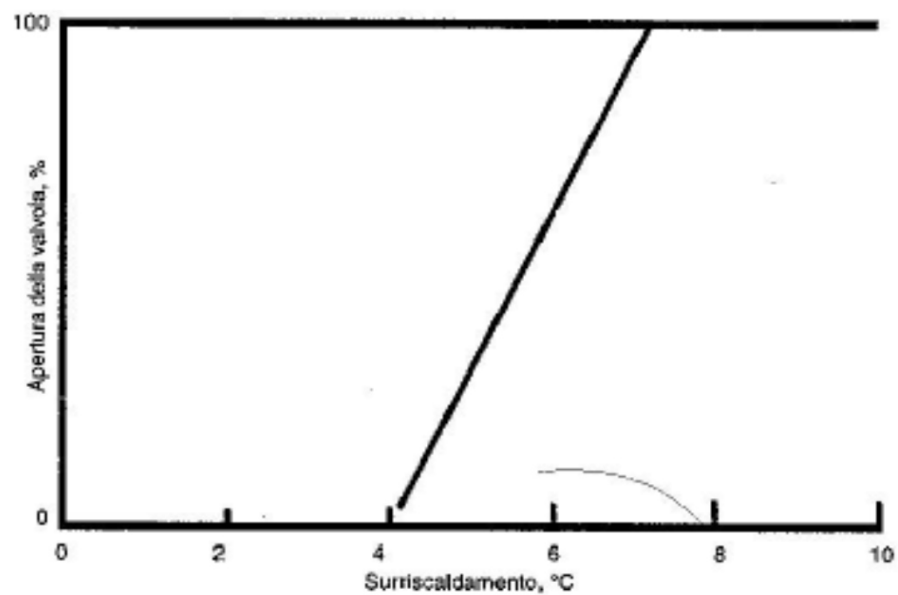


Figura 11.15 – Campo di regolazione del surriscaldamento controllato dalla valvola di espansione.

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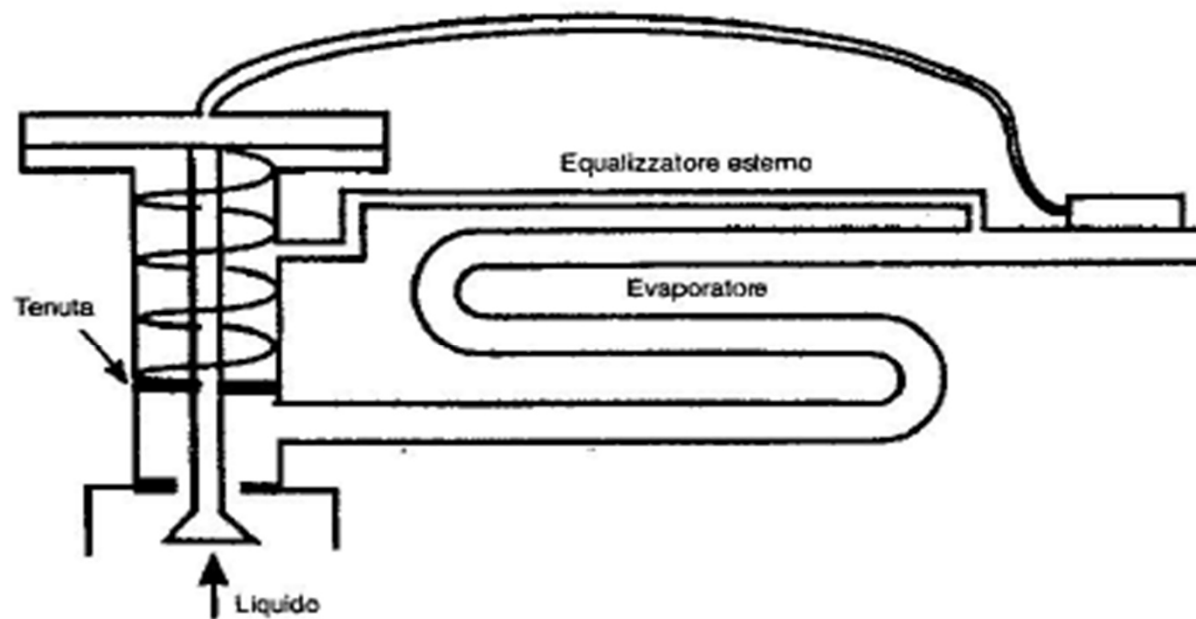


Figura 11.16 – Valvola di espansione controllata dal surriscaldamento e munita di equalizzatore esterno.

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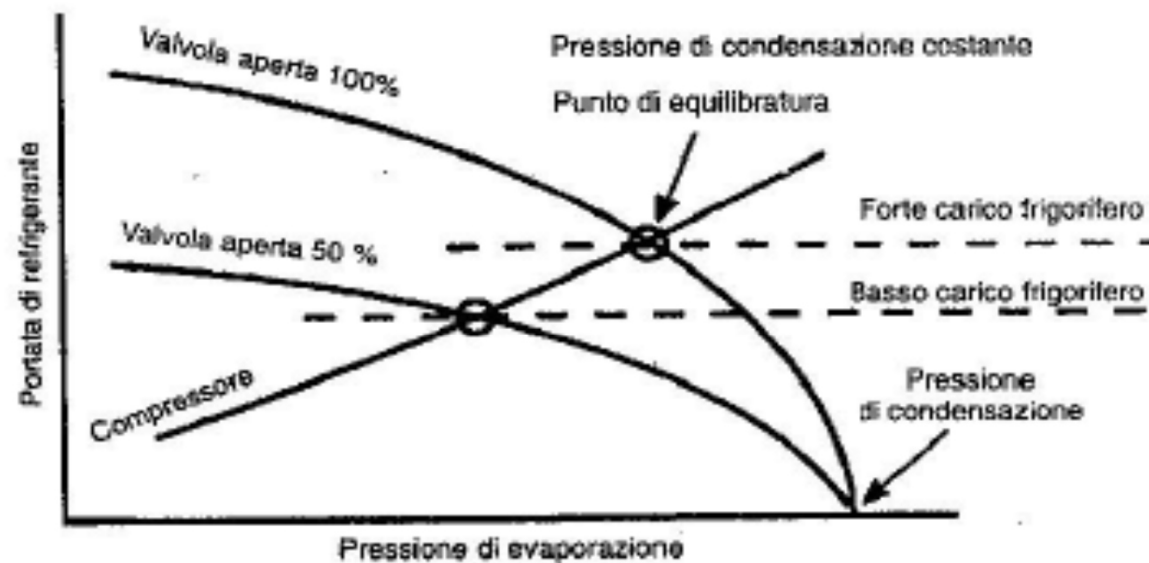
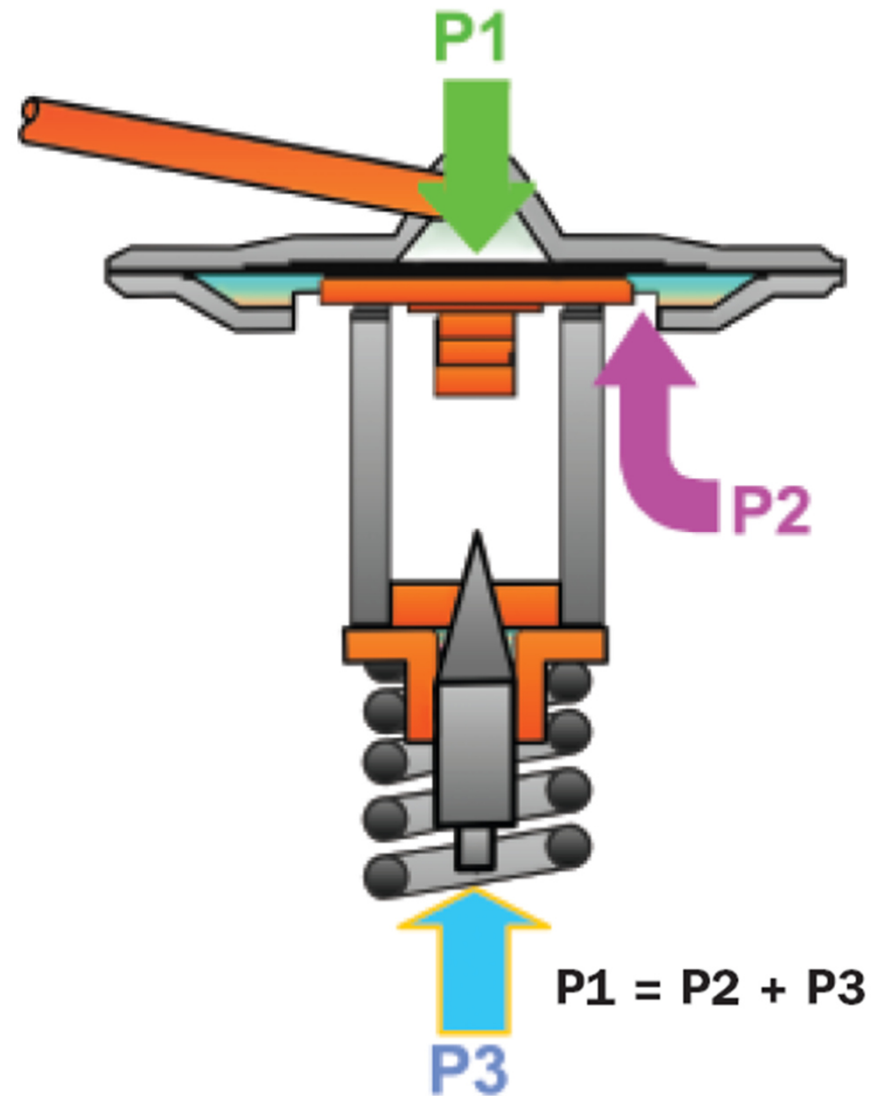


Figura 11.17 – Scostamento della pressione e temperatura di evaporazione con il variare del carico frigorifero di un impianto munito di valvola di espansione controllata dal surriscaldamento.

P1: Power element and remote bulb pressure.
P2: Evaporator pressure.
P3: Superheat spring equivalent pressure.



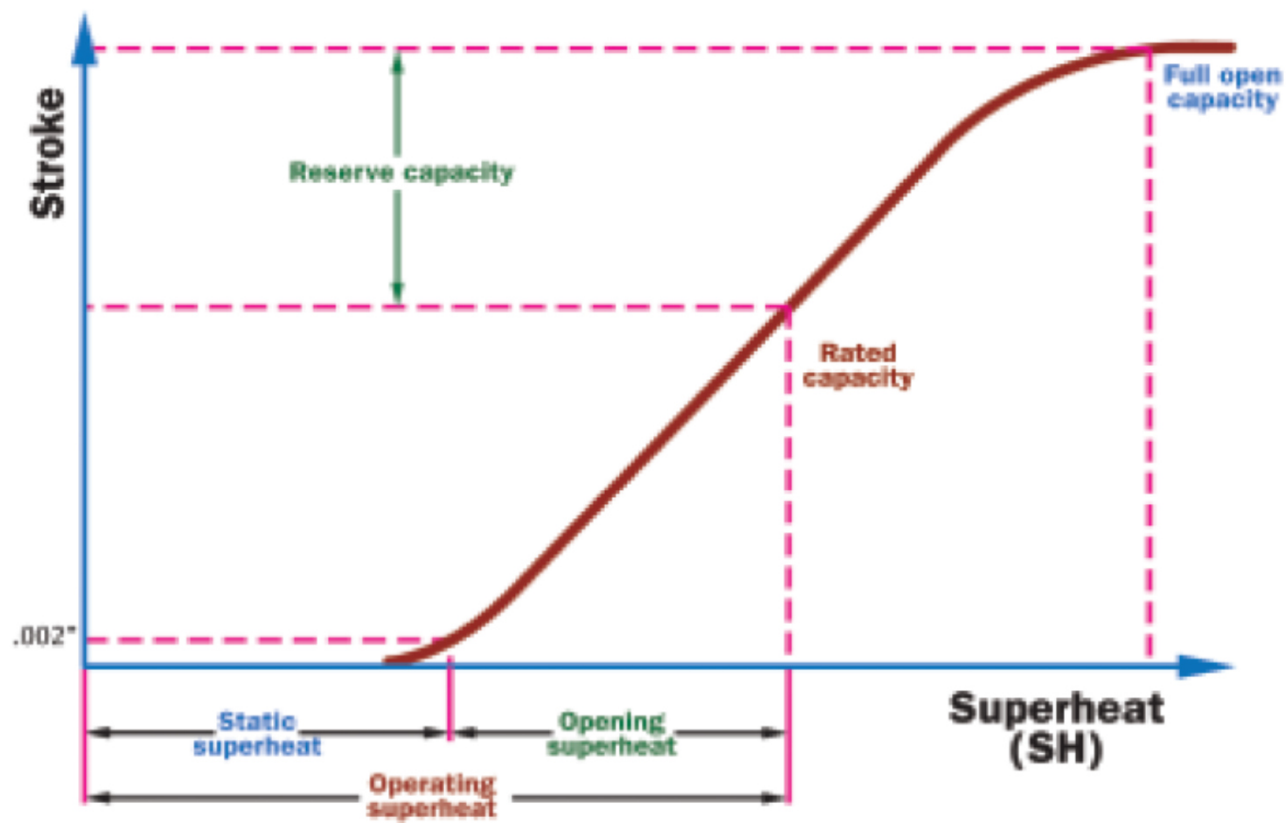


Figure 2

A TXV regulates flow in response to charging superheat.

In most a/c systems, the evaporators are quite large and, therefore, have significant pressure drop across them

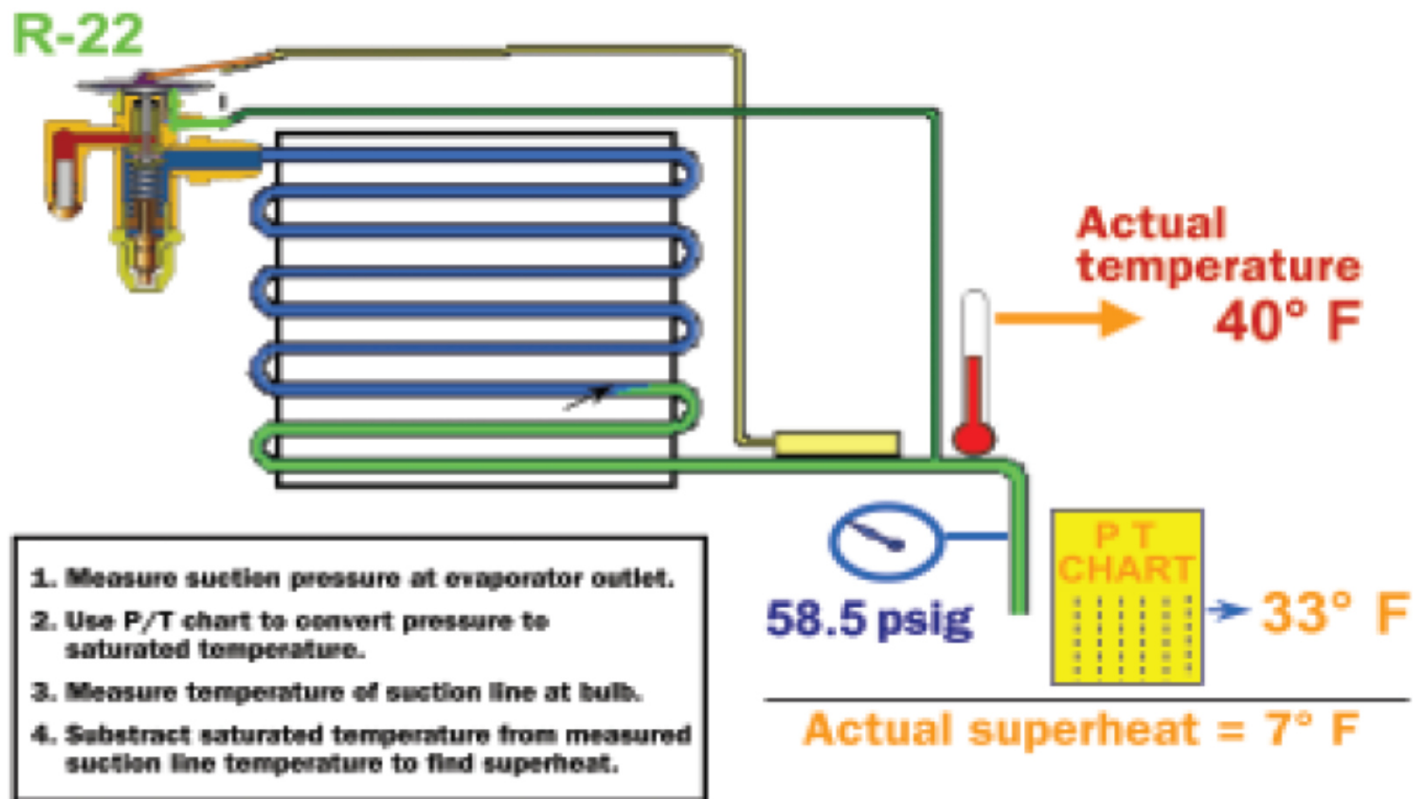


Figure 3

Four steps are required to accurately measure superheat.

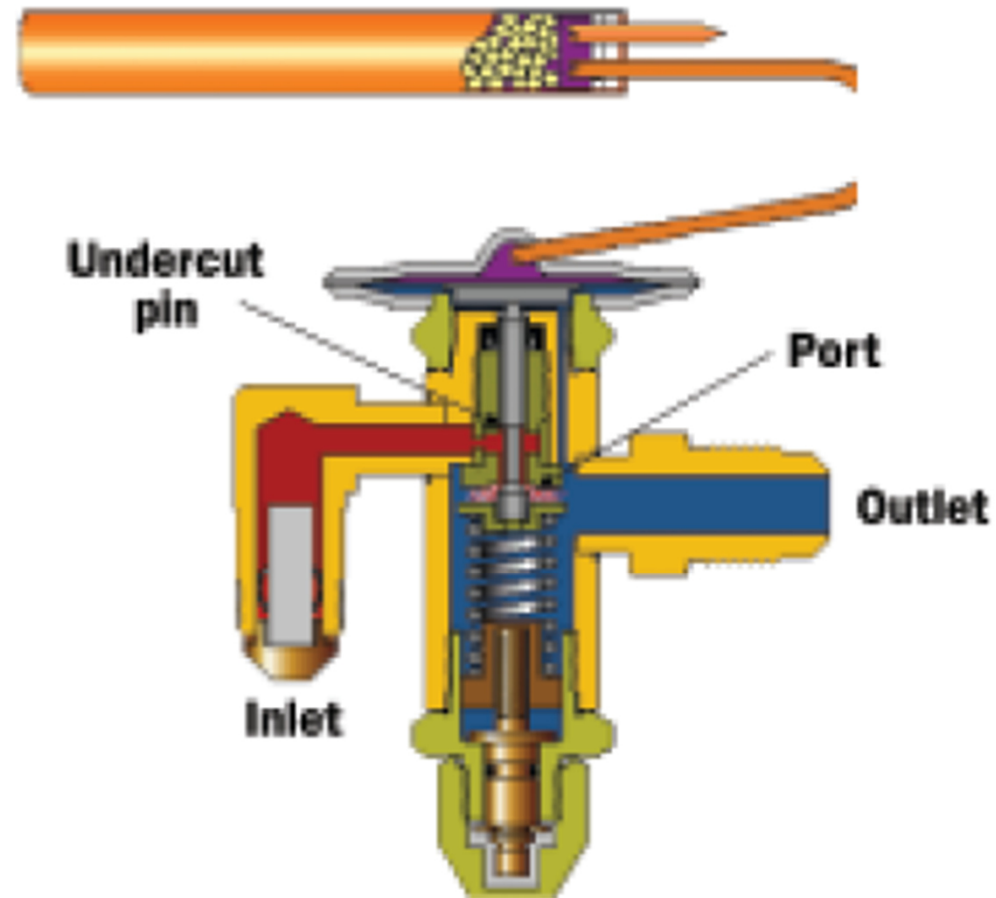


Figure 4
The balanced port TXV compensates for varying operating conditions.