

Title (en)  
EXPANSION VALVE

Title (de)  
EXPANSIONSVENTIL

Title (fr)  
SOUPAPE D'EXPANSION

Publication  
**EP 2304344 A2 20110406 (DE)**

Application  
**EP 09777066 A 20090709**

Priority  
• EP 2009004979 W 20090709  
• DE 102008033212 A 20080715

Abstract (en)  
[origin: WO2010006729A2] The invention relates to an expansion valve for regulating the mass flow rate by generating a pressure difference on the expansion valve of a refrigeration or heating cycle. Said expansion valve comprises a base (31) having a through-hole (32) that is surrounded by a valve seat (33), and a valve element (34) which closes the through-hole (32) and rests within the valve seat (33) in a closed position and can be moved relative to the valve seat (33) in the opening direction on the base (31). The base (31) is designed to be inserted into a bore section (29) of an attachment point (26, 27) of a connection (21) of an internal heat exchanger (14) or into a connection (21) of a pipe in the refrigeration or heating cycle. The outer circumference (46) of the base (31) has a fastening section (47) that is releasably fastened to the attachment point (26, 27) of the connection (21) by means of a complementary fastening section (48).

IPC 8 full level  
**F25B 41/06** (2006.01)

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**F25B 41/33** (2021.01 - EP US); **F25B 40/00** (2013.01 - EP US); **F25B 2500/18** (2013.01 - EP US); **F25B 2600/2505** (2013.01 - EP US); **Y10T 137/7837** (2015.04 - EP US)

Citation (search report)  
See references of WO 2010006729A2

Citation (examination)  
US 2854021 A 19580930 - BALDWIN JR JOHN D, et al

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