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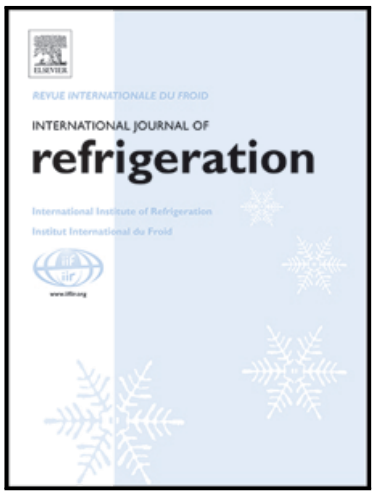

Optimal design of rotary compressor oriented to end-plate gas injection with check valve

Baolong Wang , Xingru Liu , Yunchen Ding , Wenxing Shi

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Highlights

- General expressions of the envelopes and areas of the injection regions are developed
- Effects of eccentricity and piston thickness on the injection region area are investigated
- Injection region area reaches the maximum when piston thickness is two times of eccentricity

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