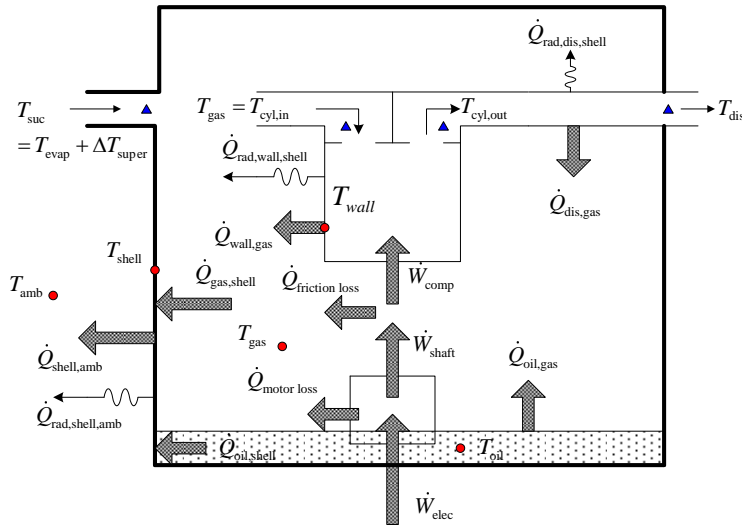


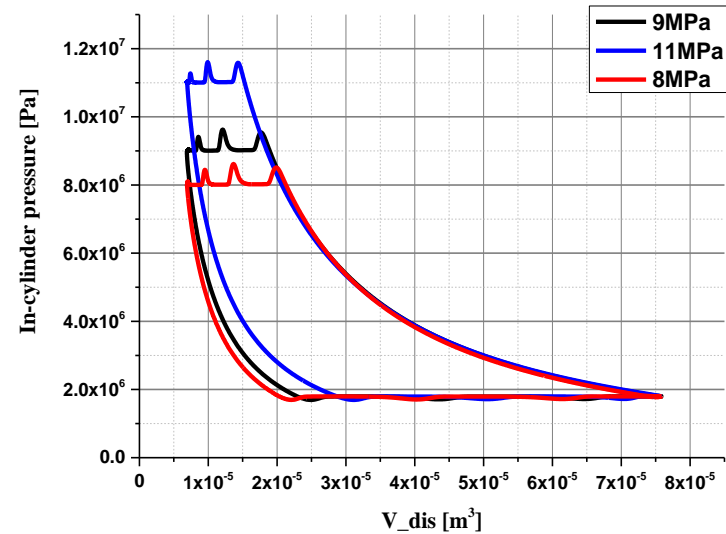


# Development of General Purpose Simulation Tools for Positive Displacement Compressors

## Schematic of energy flows inside a hermetic compressor



## P-V Diagram of Reciprocating Compressor (900 RPM, $P_{suc} = 1.8 \text{ MPa}$ )



Friction losses dominate ← → Leakage losses dominate

