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# Cold W.A.R.

Whether it's **A**ir Conditioning or **R**efrigeration



## Ph Cycle Analysis

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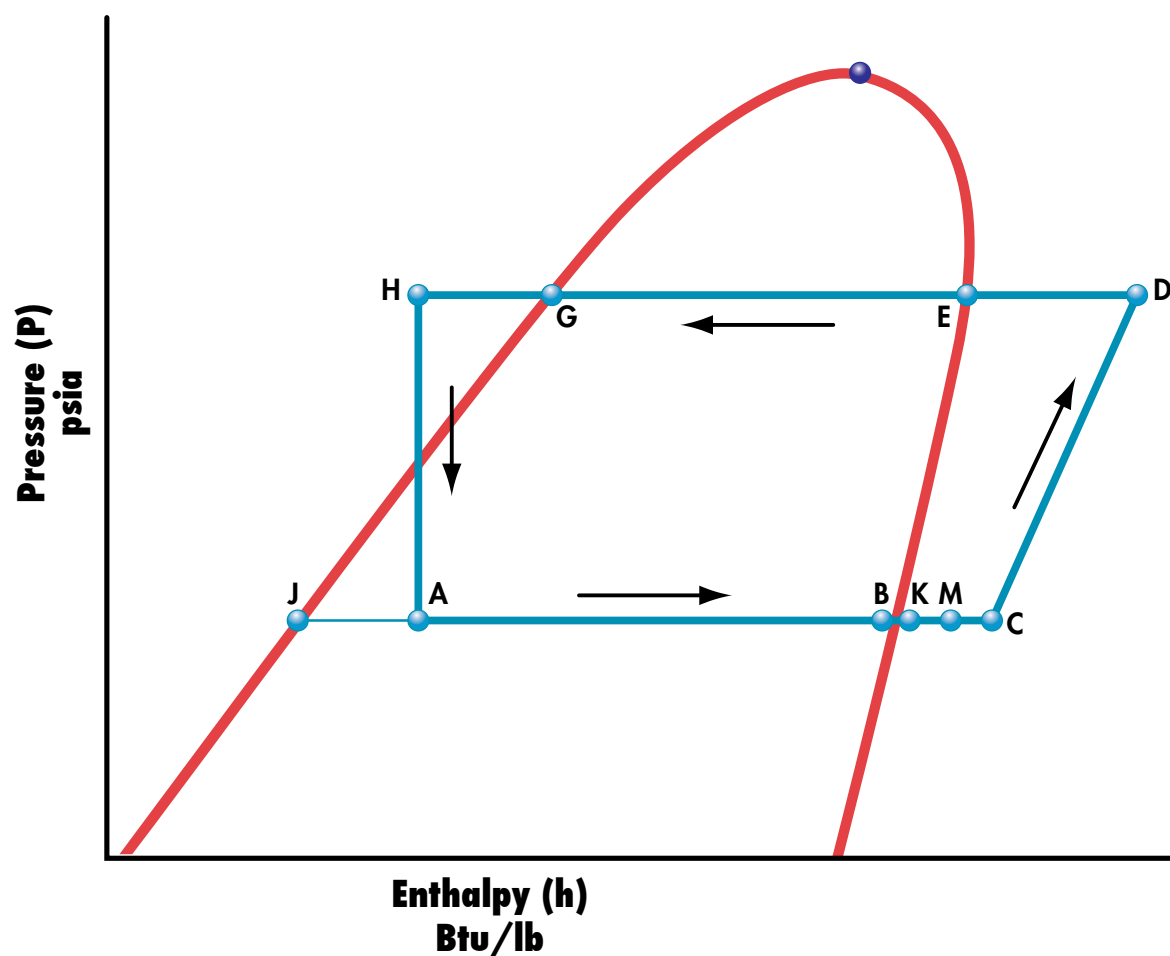
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## Ph Cycle Process



### LEGEND

A-B	evaporation of refrigerant
B-K	superheat in evaporator
K-M	suction line superheat
M-C	superheat, motor cooling
C-D	heat of compression
D-E	de-superheating of refrigerant
E-G	condensing of refrigerant
G-H	sub-cooling of refrigerant
H-A	metering device effect
A-J	flash gas entering evaporator
A-K	net refrigeration effect (NRE)
M-D	compressor's effect
D-H	total heat of rejection (THR)

## Ph Cycle Analysis

