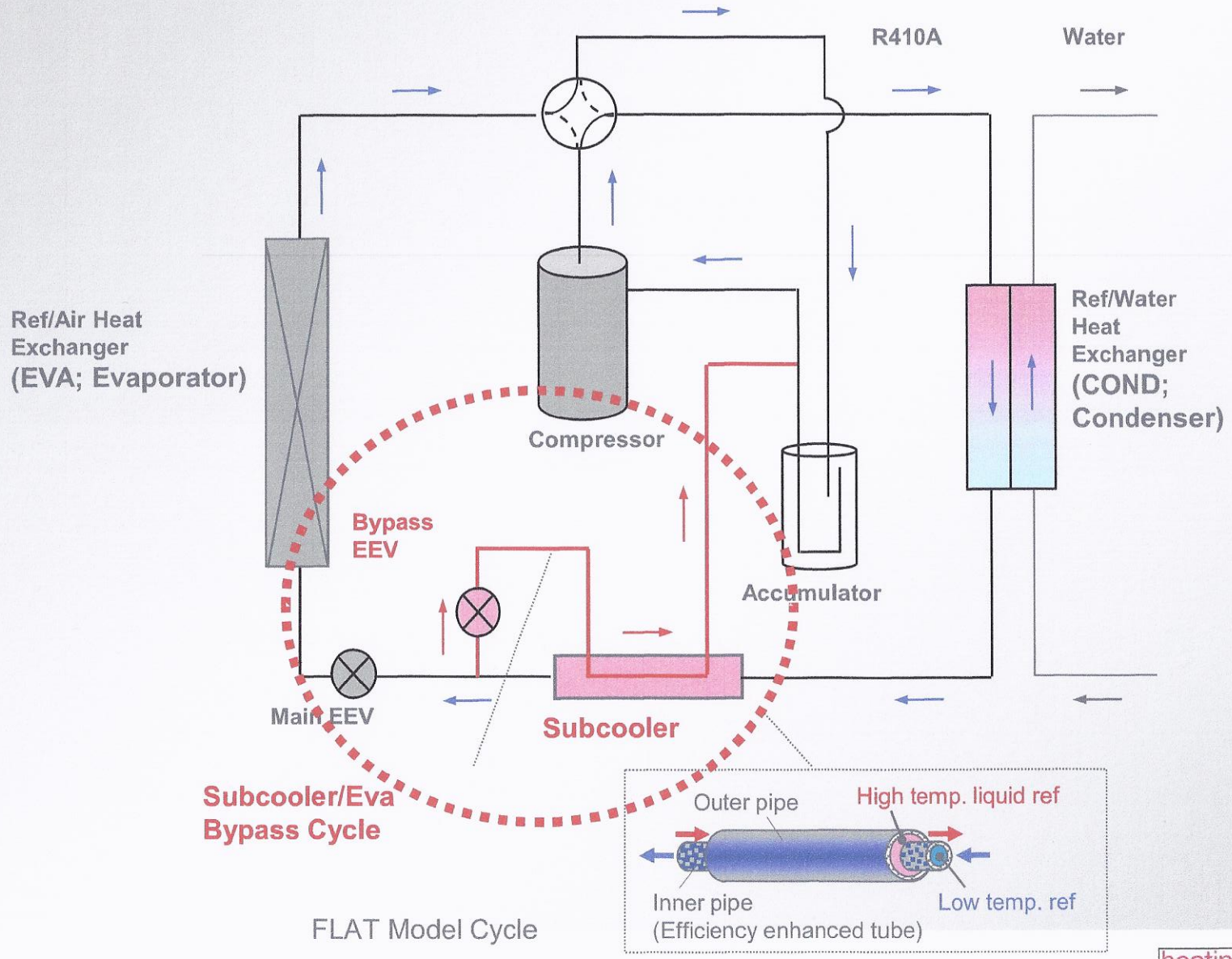
High Capacity type A2W / Sales Point & Technology

100% CAPACITY AT -15°

high capacity at -15°C
AQUAREA T-CAP

Panasonic
ideas for life



FLAT Model Cycle

High Capacity type A2W / Sales Point & Technology

100% CAPACITY AT -15°

high capacity at -15°C
AQUAREA T-CAP

Panasonic
ideas for life

Sales Point

Subcooler plus Evaporator Bypass Cycle achieves high heating capacity performance even at low ambient temperature!

Key Technology

Subcooler / EVA Bypass Cycle

- High pressure side: Refrigerant Sub-Cooling increased
  → Liquid refrigerant volume into EVA increased
  → Evaporating capacity in EVA improved
- Low pressure side: Pressure drop in EVA decreased
  → Refrigerant flow of cycle totally increased
  → Heating efficiency in COND improved

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high capacity at -15°C

AQUAREA T-CAP

Panasonic ideas for life

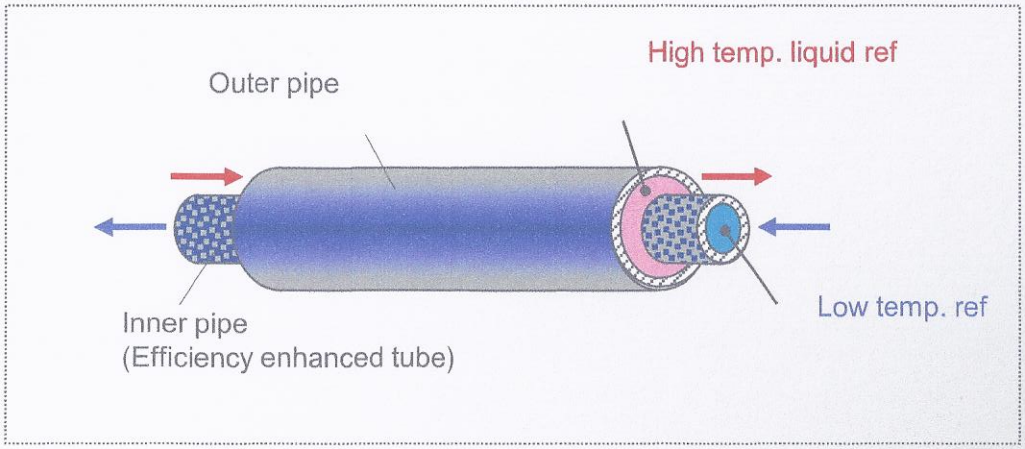
Sales Point

High heating performance enables to use no electric heater at low ambient temperature!

Key Technology

■ **High performance Subcooler**
(Sub-Cooling Heat Exchanger)

・ High efficient heat exchange between high temp. liquid ref. and low temp. two phase ref.



FLAT Model Cycle

High Capacity type A2W / Sales Point & Technology

100% CAPACITY AT -15°

high capacity at -15°C
AQUAREA T-CAP

Panasonic
ideas for life

Sales Point

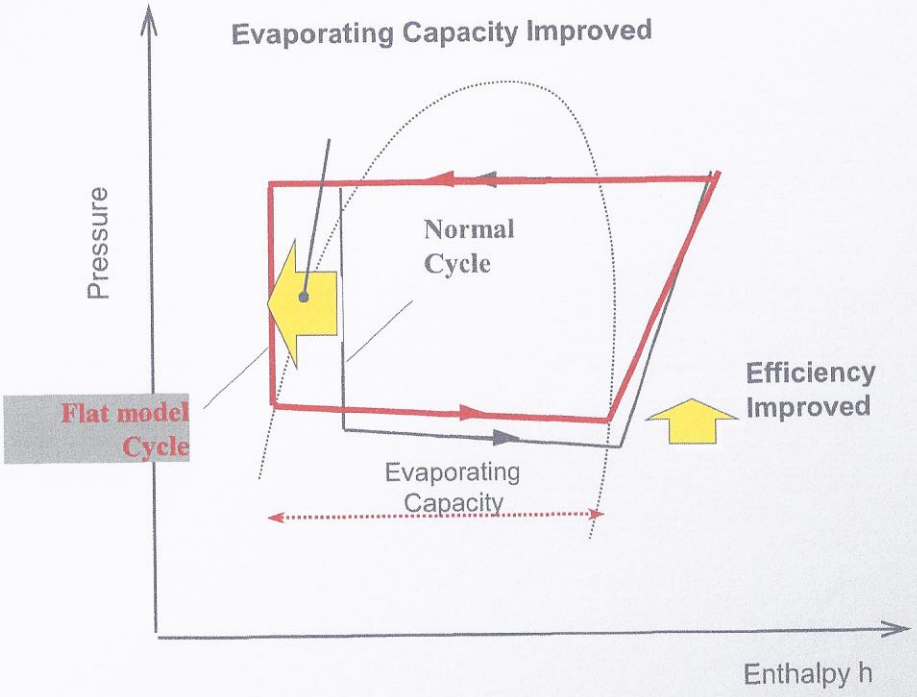
Industry Top class Efficiency;
COP=2.0 (@AT-7˚ C / WT55˚ C)

Key Technology

■ **New Control of Main and Bypass Cycle Flow**

· Optimized control algorithm for refrigerant flow control

in main and byapss cycle using 2 flow control valves



P-h diagram of Flat Refrigeraion Cycle