

MVR (HIGH TEMPERATURE OPEN-LOOP HEAT PUMP).



HIGHLIGHTS & SPECIFICATIONS

(MVR: Mechanical Vapor Recompression)

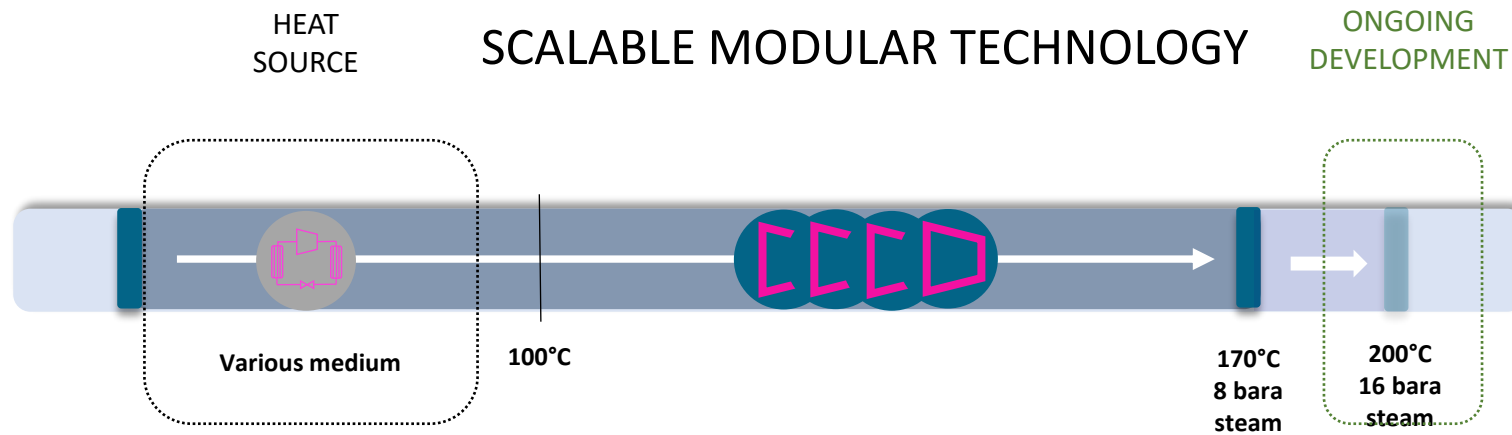
- USING LOW-TEMPERATURE WASTE STEAM TO PRODUCE STEAM AT OPERATING TEMPERATURES
- MODULAR DESIGN - COMBINING UNITS TO INCREASE CAPACITY
- PLUG & PLAY, COMPACT SOLUTION
- ROBUST, TWO-PHASE, SINGLE VANE COMPRESSOR TECHNOLOGY HANDLING LOW-QUALITY WASTE STEAM
- STAND-ALONE SYSTEM, FULLY COVERED AND INSULATED FOR OUTDOOR/INDOOR INSTALLATION
- WASTE HEAT RECOVERY FROM INDUSTRIAL PROCESSES LIKE DRYING, FRYING, DISTILLATION...
- UP TO 80% ENERGY SAVINGS IN PRODUCTION SITES



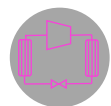
MODULE	MVR-400	MVR-1200
DELIVERED STEAM MASS FLOW	UP TO 900 KG/H (PR. UNIT)	UP TO 3500 KG/H (PR. UNIT)
STEAM INLET PRESSURE	DOWN TO 0.5 BARA	DOWN TO 0.5 BARA
STEAM DELIVERY PRESSURE	UP TO 8 BARA	UP TO 12 BARA
STEAM DELIVERY TEMPERATURE	100-170°C	100-188°C
LATENT HEAT CAPACITY	UP TO 0.65 MW PR. UNIT	UP TO 2.2 MW PR. UNIT
DIMENSIONS	5000/2000/2300 MM (L/W/H) PR. UNIT	



COMBINING THE MVR MODULE(S) WITH A BOTTOM CYCLE



**2.2 MW PER MVR MODULE
COMBINED MODULES FOR
HIGHER CAPACITY**



*OFF-THE-SHELF BOTTOM CYCLE FROM TOCIRCLE'S
INDUSTRIAL PARTNERS*



STANDALONE TOCIRCLE'S MVR-400/1200