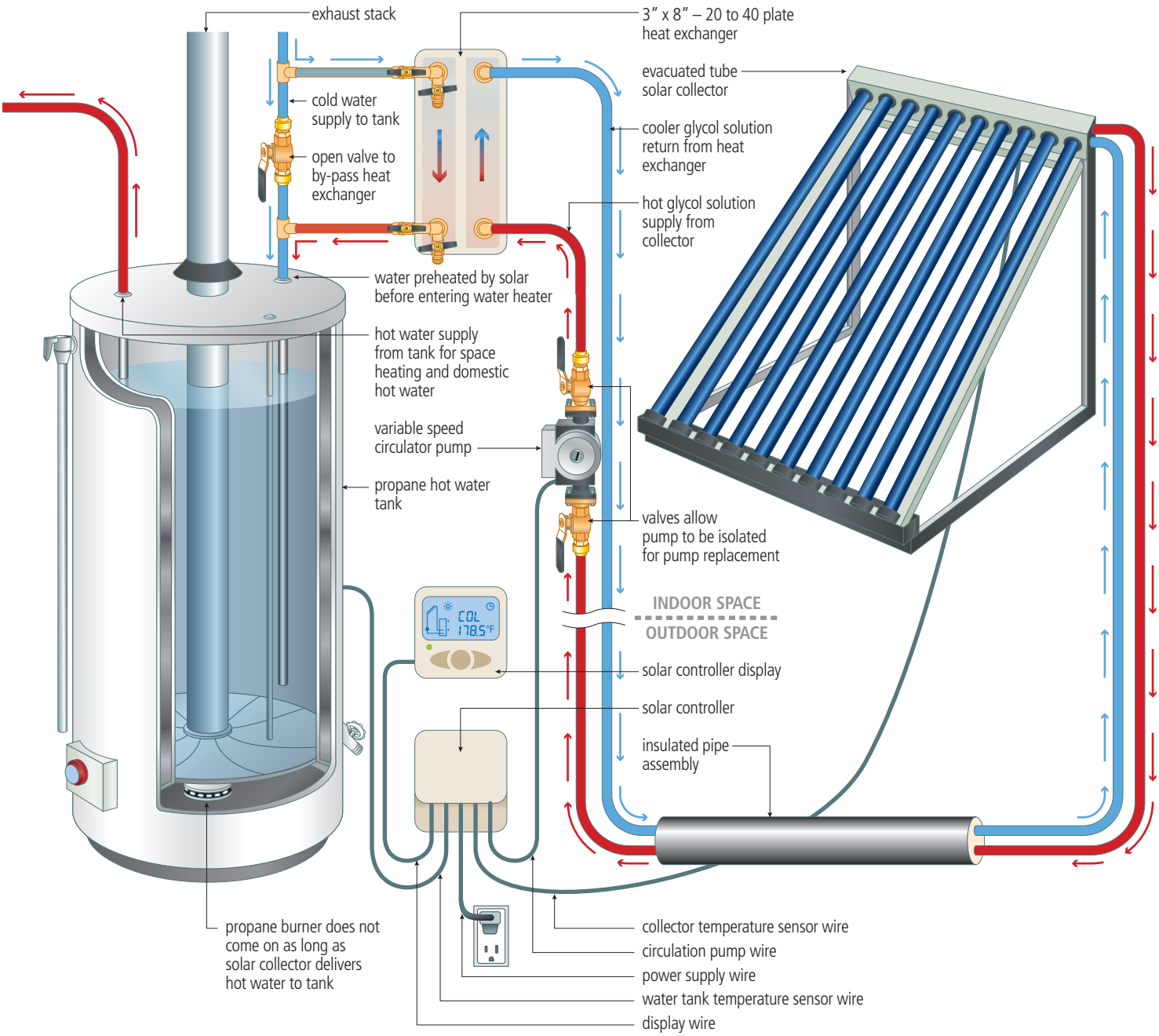
exhaust stack
3″ x 8″ – 20 to 40 plate heat exchanger
evacuated tube solar collector
cold water supply to tank
cooler glycol solution return from heat exchanger
open valve to by-pass heat exchanger
hot glycol solution supply from collector
water preheated by solar before entering water heater
hot water supply from tank for space heating and domestic hot water
variable speed circulator pump
propane hot water tank
valves allow pump to be isolated for pump replacement
INDOOR SPACE
OUTDOOR SPACE
COL
178.5°F
solar controller display
solar controller
insulated pipe assembly
propane burner does not come on as long as solar collector delivers hot water to tank
collector temperature sensor wire
circulation pump wire
power supply wire
water tank temperature sensor wire
display wire