



# OTHER COOLANT INTERCHANGER OPTION

## For Use With Process Applications

Filtrine offers the **OCO** option for its chillers that permits the cooling of high temperature, dirty, or oil based fluids that normally cannot be cooled by a standard chiller.

Featuring a double circuit design that uses plain water (or glycol solution) as the cooling medium, water is chilled through a Filtrine cooling tank and then circulated through a water-to-liquid heat exchanger. This permits a closer temperature differential across the heat exchanger than is possible with direct refrigerant (DX) designs and avoids the fouling from oil-based or viscous liquids.

The OCO option allows for higher temperature cooling since the water acts as a buffer between the hot fluid and the chiller's evaporator. The heat exchanger is available as a cleanable type without any possibility of contaminating the refrigeration system.

It can be added to any of the following chiller types:

1. **PCP – CLOSED LOOP CHILLER:** A liquid is pumped from the chiller through a closed cooling loop and back to the chiller.
2. **POC – OPEN LOOP CHILLER:** A liquid is drawn from a tank or sump, pumped through the chiller and back to the tank.
3. **PC – ONE PASS CHILLER:** Liquid is pumped or passes through the chiller under pressure.

### FEATURES

**Close Temperature Control:** Coolant kept to a constant temperature without wasting city water

**Cooling of High Temperature Coolants:** No overloading of the refrigeration system

**Higher Efficiency and Closer Tolerances:** For many machine tool applications

**Cleanable Heat Exchanger (Optional):** Handles contaminated/unclean fluids

**Double Circuit Design:** Eliminates refrigeration system contamination

### OCO INTERCHANGER OPTION

#### PIPING FOR PCP (CLOSED LOOP) OR POC (OPEN LOOP) OR PC (ONE PASS) APPLICATIONS

