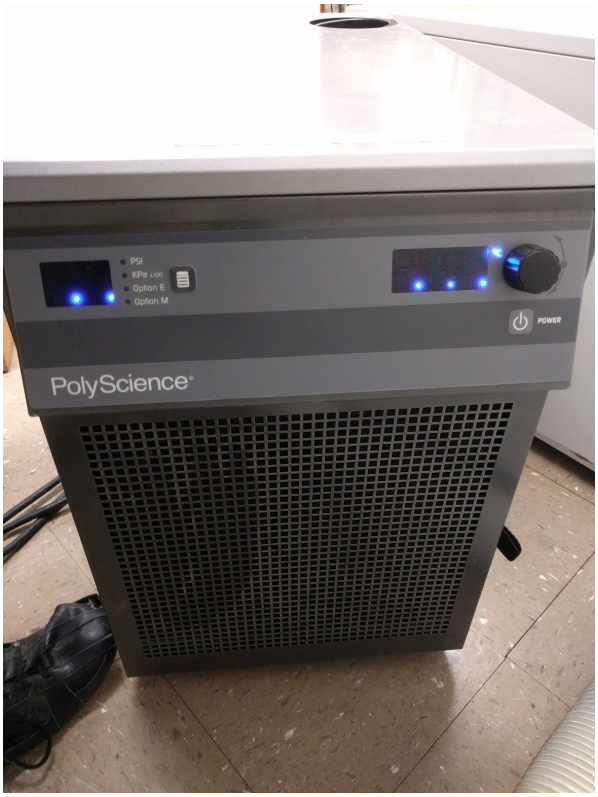
PolyScience 6000 Series

We own two PolyScience chillers - they are different models but functionally equivalent.

	
Serial Number 3E1161245	Serial Number 4K1050550

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maintenance directions

1. Gather supplies
    a. Filter - sold in the stockroom
    b. 1 gallon of Nalco 460-PCCL104 (the pink stuff)
2. Drain system completely
    a. Disconnect red water line and allow chiller to pump water out.
        i. Push nipple of male end with flat object so check valve is released
    b. Take off of filter
    c. Push down to allow water out
3. Check filters
    a. If air filter dirty, wash with water (let dry after washing)
    b. If water filter is dirty, replace
4. Reassemble, fill with Nalco 460-PCCL104 (the pink stuff)
    a. Turn chiller on and top-off.

ordering new supplies
TODO

Fixed problems
The heat exchange fan motor (ebmpapst M4Q045-CF07-46) of the blue Chiller (4K1050550) failed November 2016. It is presumed that small pieces of the spindle were sheared away inside of the motor and subsequently ruined the motor. The part is easily found online (e.g. Mauser Electronics was used to order). Note that that when turning on, the fan will stay idle for ~30 sec before kicking in.

Known problems