

Point-of-Use System

Our Point-of-Use (POU) system dispenses temperature controlled WFI or PW and is designed to meet the high quality requirements and hygienic standards of the pharmaceutical industry. When not in use, a continuous flow of hot water (from the main loop) maintains sanitization. Exergy offers standard models using our compact, high performance heat exchangers for the most demanding conditions. Most features and options can be customized to meet your exact requirements.

Advantages:

- Cold or hot WFI/PW available within seconds
- Dispense flow rates up to 15 GPM
- Minimal pressure drop due to heat exchanger design
- Regulating header valve ensures desired flow rate, even if main loop pressure varies
- Fully automated (manual operation available)
- Touch screen HMI with intuitive software to view process parameters & system operation
- DCS/SCADA interface via Ethernet with remote access
- Fully drainable on product side, with no dead legs
- Easy to install, operate and maintain
- Full performance test done on every POU
- CIP and SIP capable

Design Features:

- Enclosed locking cabinet
- All product contact surfaces are passivated, less than 20 μin (.5 μm) with electropolish optional
- Sanitary double tube sheet heat exchanger eliminates risk of cross contamination between product & working fluid
- Insulation on process and utility lines
- 316L stainless steel construction
- ASME BPE Compliant



Typical Applications:

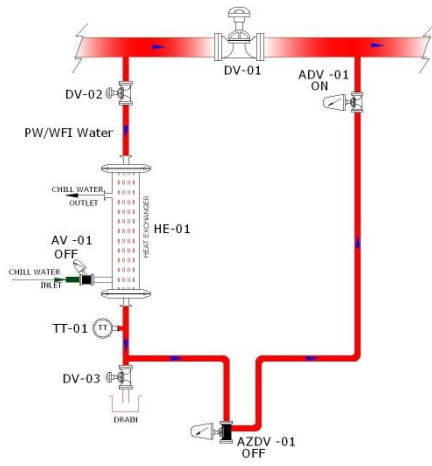
- Cool WFI/PW from 80-85°C to 20-40°C
- Parts Washing Station
- Product Sampling
- Tank Filling

Documentation:

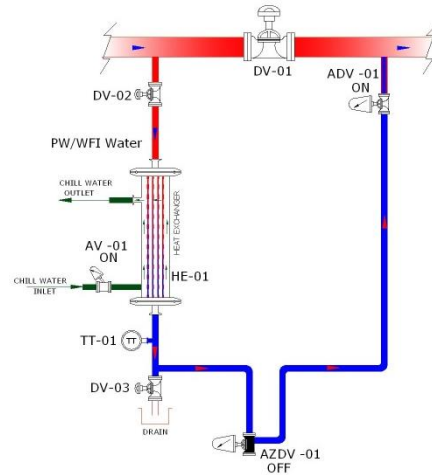
- FAT Report (Component Certs & MTR's, Orbital Weld Logs, Inspection, Leak Test, Passivation, Performance Reports)
- Quality Assurance Plan (QAP)
- Design Qualification (DQ)
- Install, Operating & Maintenance Manual

Typical Process Modes

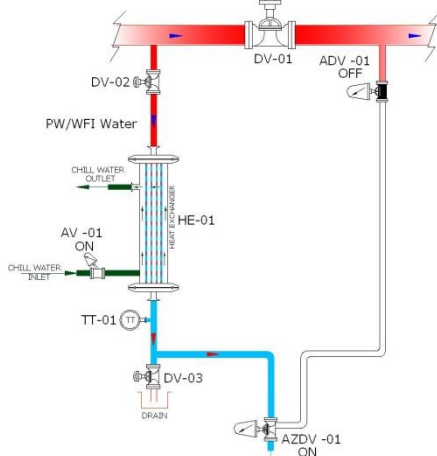
1. STANDBY



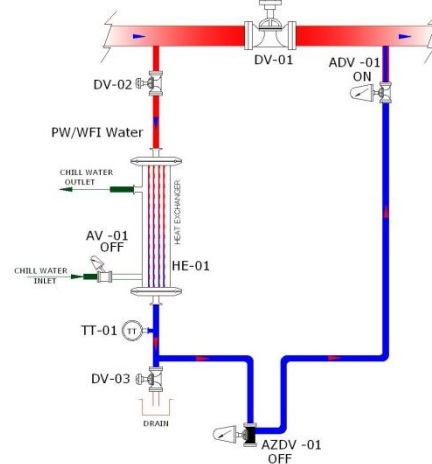
2. START & COOLING CYCLE



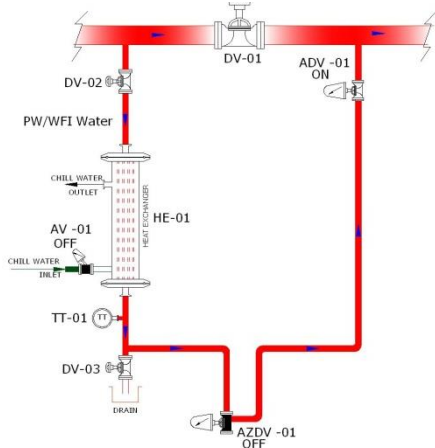
3. DISPENSING OF COOL PW/WFI WATER



4. STOP OF DISPENSING OF COOL PW/WFI WATER



5. RETURN TO STANDBY



Partial Client List

Company	Capacity	Qty
Bayer Corporation	5 GPM	2
Emergent Biosolutions	9 GPM	4
	7 GPM	3
Fresenius-Kabi	10 GPM	1
Greer	15 GPM	1
Johnson & Johnson Neutrogena	5 GPM	7
Nanotherapeutics	5 GPM	12
Pearl Therapeutics	3 GPM	1
Perrigo	6 GPM	1
Reliance Life Sciences	4 GPM	2
Sigma-Aldrich	5 GPM (Heater)	1
Texas A&M (TAMUS)	3,5 & 10 GPM	3
WuXi AppTec	2 GPM	2



POU Performance Test Stand

How to contact Exergy : (800) 832-9375
or visit www.exergyllc.com
to locate your local rep.