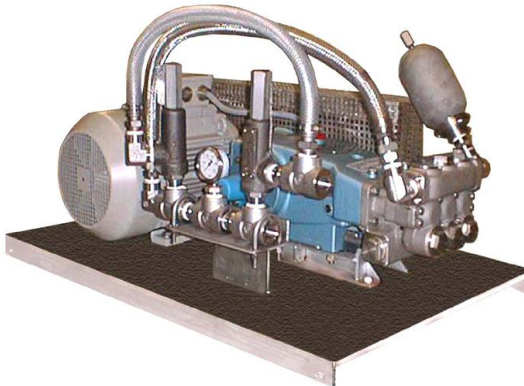




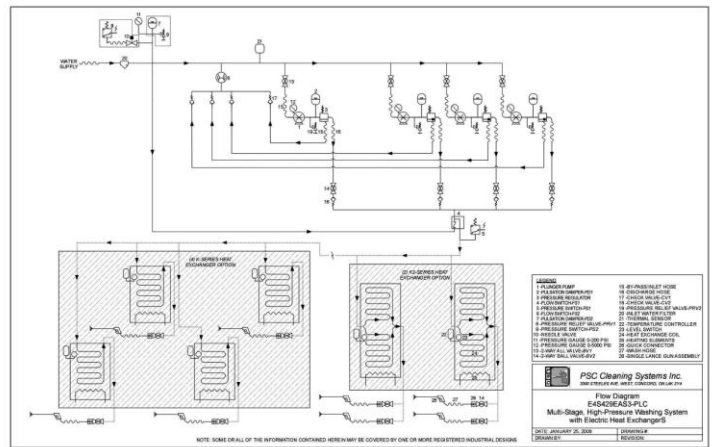
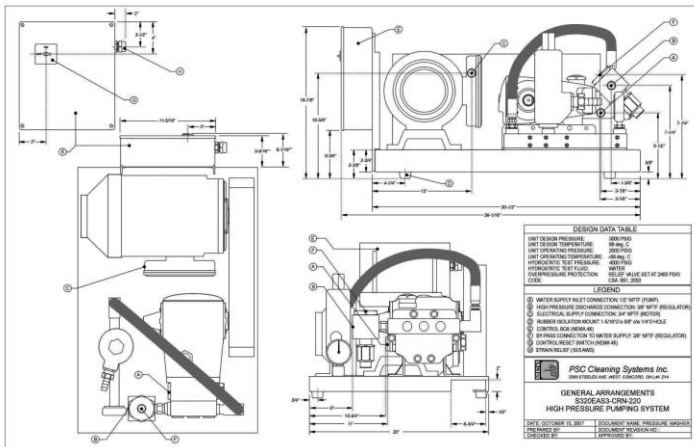
ENGINEERED PUMPING AND PRESSURE CLEANING SYSTEMS

A PSC Engineered Cleaning System can be built to meet specific design requirements for virtually any low, medium or high-pressure washing or pumping application. Our commitment to design excellence and quality manufacture, supported by qualified and responsive personnel, ensures superior system performance and reliability.

System Application: Pumping de-ionized water with ammonium EDTA through piping and tube bundles.
Design Requirements: Pressure boundary material and components tested, calibrated and certified to ASME B31.1 code standards and N285.0 Class 6 code requirements for nuclear facilities.



System Application: Cleaning and de-icing of equipment and walkways aboard offshore gas rig.
Design Requirements: Tested, validated and certified for use in Class 1, Division 1, Group C & D hazardous locations. Operate in environment with -40° F to +120° F ambient temperatures.
Enclosure constructed to zero-tolerance water ingress specifications.



PSC DESIGNS INCLUDE:

- Electrically heated aircraft de-icing system for use on regional aircraft
- Air-driven and electric-driven pumping packages for high-pressure water injection and drill bit cooling in underground mining applications
- Integrated, variable volume pumping systems for use with water soluble cutting oil on CNC machines
- Automated tote and mixing tank cleaning/sanitizing systems used in pharmaceutical manufacturing
- High volume, high pressure pumping systems for egg carton extrusion press cleaning
- Variable volume pumping systems utilizing hot and cold de-ionized water for automated printed circuit board cleaning
- High-pressure systems for cleaning with heavy water in nuclear reactors
- Electrically heated systems for high-pressure cleaning with vegetable oils in food-grade applications

SYSTEM DESIGNS/SERVICES:

- Level I & II MTC (material traceability certificate)
- Calibrated/Certified/Registered pressure-boundary components (C.R.N., A.S.M.E.)
- Certified code-compliant system designs/assemblies (ASME B51/ B31.1, DNV 2.7-1, ABS, NEMA/IEC-ATEX Hazloc)
- System design/assembly safety, operational and limit inspection/testing/certification with certified data/reports (i.e. hydrostatic, sound power, impact/load/stress-NDE/NDT)
- Certified FAT (factory acceptance test) data/report

