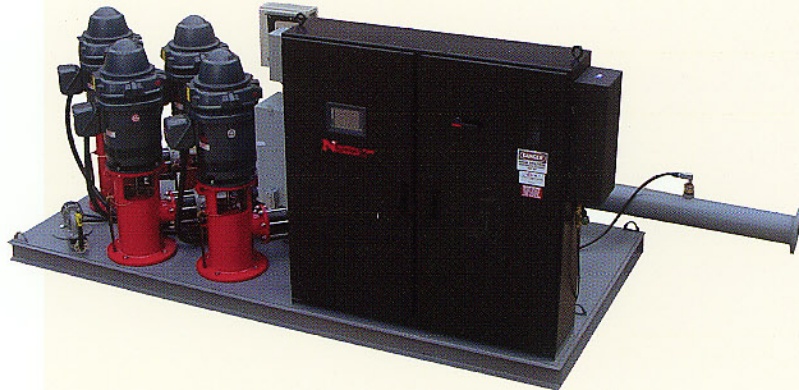
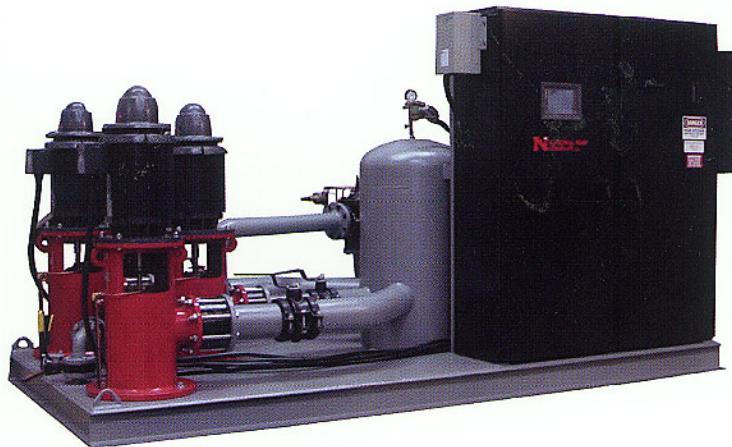


Technology at It's Best

National Pump Company's NPSV is the culmination of ten years of variable frequency drive pump system development. As a seventh generation processor and control platform, the NPSV combines our field proven practical experience with a commitment to advanced technology in pump station control to deliver a pump system that is as reliable as it is versatile. Capable of controlling a pressure maintenance pump, four main pumps, and 6 auxiliary pumps, the NPSV delivers a wide range of configuration possibilities. Multiple set points, dual PID controls, filter and lake screen controls, and data logging capability are just a few of the many standard features. For larger system requirements, the control architecture of the NPSV also allows up to six systems to be linked together, creating the ability to control up to sixty-six pumps. With it's advanced calibration and tuning features, touch-screen operator interface controls, and our **Pump View V** remote monitor and control software, the NPSV is the ultimate in variable frequency drive pump station technology.

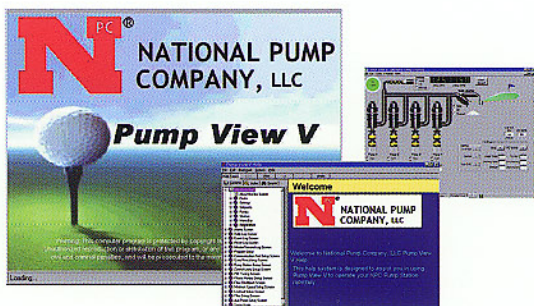
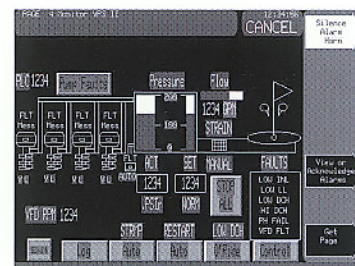


Unlimited Configuration Possibilities

A variety of mechanical and electrical configurations, using the same forward thinking attitude that has made our control system the industry leader, are available to further enhance this unique product line. With vertical turbine, centrifugal, and submersible models, using one to four main pumps up to 100 HP, and a 5 HP pressure maintenance pump, we have a standard NPSV pump station for almost any application. Custom mechanical configurations are also available, as well as larger horsepower, international voltages, and single-phase capability. National Pump Company's experienced design team has the ability to engineer a NPSV for any special requirement you might have.

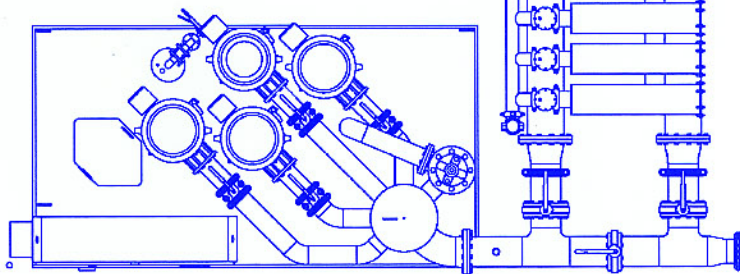
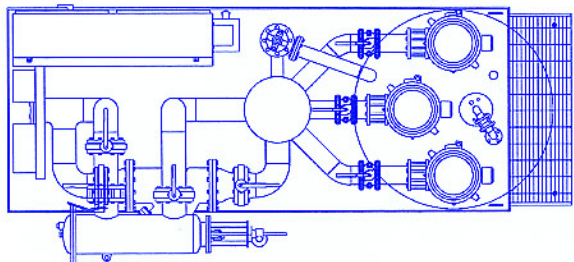
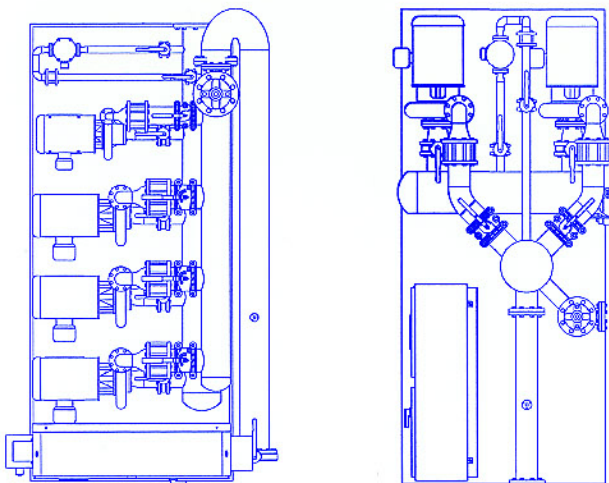
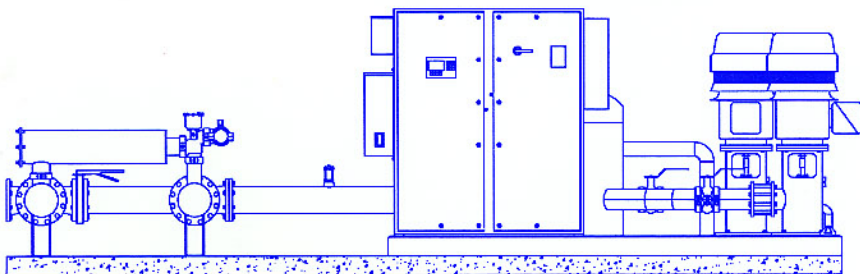
Commitment to Quality Manufacturing

Built in our state-of-the-art facility, which was specifically designed to produce pump systems using the most advanced technology available, every NPSV pump station we build is proof of our commitment to customer satisfaction. To meet the demanding quality requirements that define all National Pump Company products, each NPSV pump station undergoes an extensive inspection and documentation process as it proceeds through manufacturing. To further insure that our products meet the high standards we expect, we fully assemble and test every station we build before we let it leave our facility. Upon completion of testing, the calibration data and programming information, as well as the complete engineering record and production documentation, are stored to a database for immediate recovery if needed. When you purchase a NPSV pump station from National Pump Company you are not only buying a high quality product built for ease of startup and years of trouble free operation, you also get the added assurance of knowing we have a permanent record of every detail needed to support or service your pump station in the future.



Quality Manufacturing

All NPS pump systems are built at our Olive Branch, MS manufacturing facility, where each and every station undergoes a rigorous inspection and documentation process throughout the production process. From control panel design and construction in our U.L. listed panel shop, to fabrication, powder-coating, and assembly, we constantly monitor the quality of our workmanship. As a final assurance, each station is completely assembled, powered up, and tested to design capacity prior to shipment. During this process, the station is fully calibrated which allows for trouble-free installation and start up once the station is delivered. All calibration data and detailed component information is then stored in a database for future reference and technical support should the need arise.



NPSV features include:

- Standard model flow rates up to 4000 GPM
- Standard 5 HP pressure maintenance pump with main pumps up to 100 HP
- Custom units in larger HP's and unlimited capacities
- NPSV micro-processor control system
- Touchscreen operator interface
- Adjustable startup ramp, PID tuning, and operating setpoint features
- U.S. and International voltages available, as well as single phase capability in all HP's
- U.L. and C.U.L Listed Packaged Pumping Systems and Control Panels
- Fabricated steel construction with polyurethane powder-coated finish
- Data Industrial flow meter with totalizer
- Individual pump isolation valves
- Pressure relief valve
- Emergency bypass controls (except single phase models)
- Integral auxiliary pump controls, filter controls, and level controls

Standard Safeties Include:

- High discharge pressure
- Low discharge pressure
- Low level safety (if applicable)
- High pump temp safety (if applicable)
- Low low inlet pressure (if applicable)
- Incoming phase and voltage monitor
- Primary surge protection

Optional Features:

- **Pump View V** remote monitor and control software
- Phone modem, line drivers, or radio modem communication packages
- Station heater
- Inlet and discharge isolation valves and zee pipes
- Intake pipe, foot valve and prime regulator
- Filtration and injection systems
- Step down transformer, load center, and power conditioner

motralec

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