

envirosep MPH

MODULAR PUMP HOUSE

Envirosep has led the way in packaged systems by offering designs and manufacturing integrated solutions for fluid handling, heat transfer and energy recovery for over 20 years. We strive to provide the most cost effective and energy efficient modular pump houses to our customers.

Our modular pump house designs have proven to be a benchmark solution with robust construction and superior fluid handling for the most challenging commercial, industrial, and municipal environments. The *envirosep MPH* provides a lower cost alternative to site-built pump houses while avoiding costly project delays. All components required to integrate a stand-alone pump house are included, eliminating site coordination, and negating start-up irregularities.



FEATURES & BENEFITS

- Our *envirosep MPH* is factory manufactured, tested and UL-listed ensuring quality and NEC code compliance
- Sole source manufacturing responsibility, just one manufacturer to coordinate
- Enables the owner to specify key components from a range of manufacturers that meet performance needs.
- The *envirosep MPH* is controlled by a non-proprietary, programmable controller providing the best system operating efficiency
- Environmentally-controlled building enclosure with single-point power connection
- Our *envirosep MPH* is cost effective - offering fixed costs and on-time delivery coordinated with site (factory controlled environment means no weather delays)
- Factory operational and hydrostatic testing is performed prior to shipment, therefore minimal site testing is required
- Speeds up installation and start-up which provides significant savings to contractors, engineers and facility owners

STANDARD DESIGN INCLUDES:

- Vertical in-line or based mounted end suction pumps
- Valves and fittings
- Hydronic accessories (as required)
- Environmentally-controlled building enclosure, 1/4" Diamond plate steel floor decking w/ floor drain system, interconnection piping
- Personnel insulated steel door
- Exterior LED wall lights, Interior LED lights with GFCI receptacles
- Variable frequency drives (VFD) & integrated controller with touch screen interface

MODULAR PUMP HOUSE OPTIONS:

- Internet connectivity for remote system monitoring
- Building air conditioning and heating
- Exterior power disconnect
- Vibration isolation & flexible connectors
- System supply or side-stream filtration
- Stand-by power generator
- Chemical treatment
- System without building enclosure
- Specific performance criteria (upon request)



MODULAR PUMP HOUSES

The *envirosep MPH* is a UL-Listed, factory engineered and manufactured mechanical room utilized in any commercial, industrial or municipal fluid handling application. As a custom-engineered system, the *envirosep MPH* design enables the owner to specify key components from a range of manufacturers that meet performance needs. Envirosep factory service personnel, who have followed the project from inception, perform site start-up







Engineering and manufacturing to site-specific conditions, Envirosep ensures that our systems are designed for optimum energy efficiency for any commercial, industrial or municipal application.



eliminating errors from multiple hand-offs. The *envirosep MPH* is controlled by a non-proprietary, programmable controller, providing the best system operating efficiency. Variable frequency drives may be incorporated with manual or automatic bypasses. The user-friendly, color touch screen operator interface is utilized for simple operation. Our experienced engineering staff are available to assist facility owners or engineers in conceptual development and planning.

TECHNICAL DATA

TYPICAL SPECIFICATIONS	
system configuration	simplex, duplex, triplex, quadraplex
system controls	pressure, temperature, flow, or other
pump system	variable or constant speed
standard power	460/3/60 (other voltage available)
dimensions	based upon customer requirements
working pressure	100 to 1000 psig (6.8 to 69 barg)
working temperature	< 400°F (<205°C)

envirosep CERTIFICATIONS	
	National Board
	unfired pressure vessels
	pressure piping
	process piping & power piping