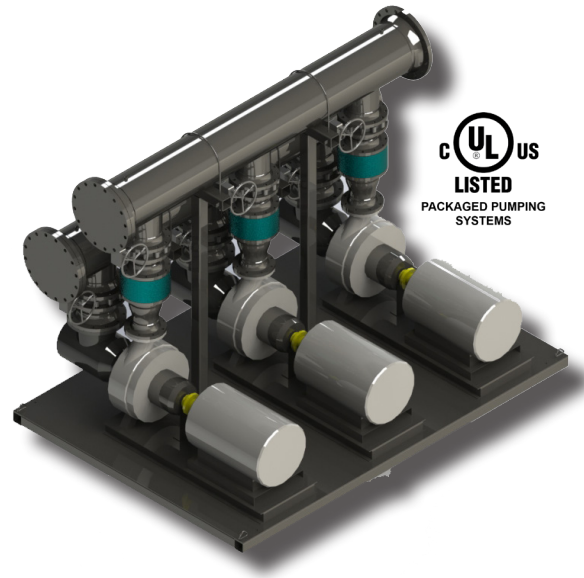


envirosep PPS

## PACKAGED PUMPING SYSTEMS

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 pre-engineered packaged pumping systems to our customers.

Our pre-engineered packaged system designs include pumps, valves, fittings, and can include hydronic accessories such as expansion tanks and air separators as well as electrical components such as VFDs, control panel and power distribution. Our systems are designed for either new construction or retrofits for HVAC, district cooling, critical cooling and industrial process applications.



## FEATURES & BENEFITS

- *envirosep PPS* is factory manufactured, tested and UL-listed ensuring quality and NEC code compliance
- Sole source manufacturing responsibility, just one manufacturer to coordinate
- *envirosep PPS* is cost effective - offering fixed costs and on-time delivery coordinated with site (factory controlled environment means no weather delays)
- Our packaged pumping system may be configured for pumping a variety of fluids at a controlled flow rate in any industrial or commercial application
- Each unit is custom-engineered to meet specific system requirements
- Speeds up installation and start-up which provides significant savings to contractors, engineers and facility owners

## STANDARD DESIGN INCLUDES:

- Base mounted, end suction pumps
- Suction diffusers
- Butterfly isolation valves
- Check valves
- Pump common discharge header
- Pump common suction header
- 1/4" diamond plate decking
- Adjustable height header supports
- H.S.S. base frame
- Lifting lugs

## OPTIONAL ACCESSORIES INCLUDE:

- Variable frequency drives (VFD)
- Power distribution
- Control panel & instrumentation
- Air separator- ASME tangential or In-line
- Expansion tank - ASME bladder
- Chemical shot feeder
- Buffer tank
- Glycol feeder
- Stainless steel headers



## TECHNICAL DATA

SYSTEM CONDITIONS	RANGE
system head (ft)	10 to 150
system flow rate (gpm)	30 to 12,000
number of pumps	1 to 4
motor power (hp)	10 to 200
liquid temperature (°F)	0 to 240
operating pressure (psi)	10 to 150

ACCESSORY COMPONENT OPTIONS	RANGE
air separator (tangential/in-line) (in.)	4 to 24
expansion tank (gal)	6 to 211
chemical shot feeder (gal)	2 to 12
VFD (hp)	10 to 200
glycol feeder (gal)	17 to 50
buffer tank (gal)	150 to 1030

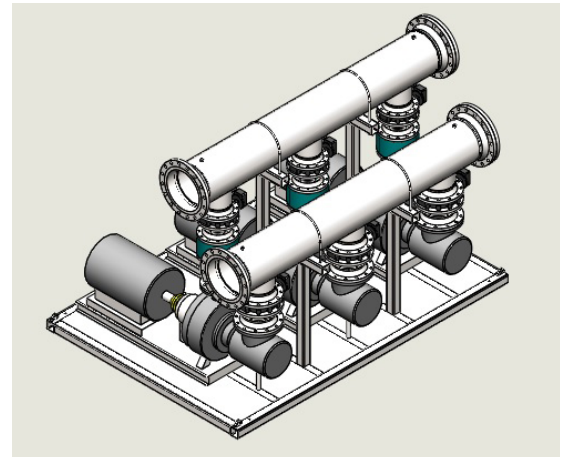


FIGURE 1. Front isometric view of *envirosep* PPS

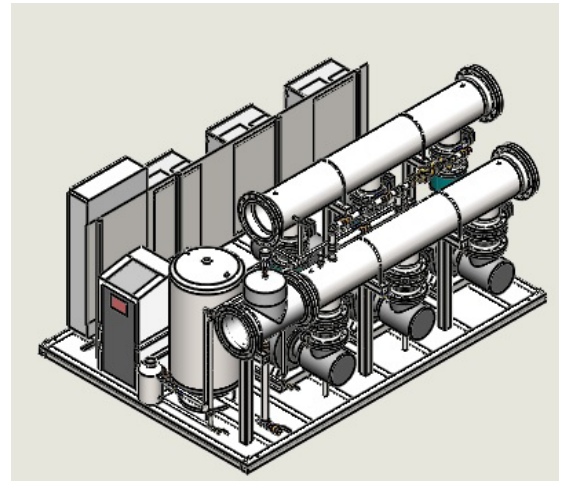


FIGURE 2. Front isometric view of *envirosep* PPS with accessory component options

## SYSTEM DIMENSIONS

### 1 & 2 PUMP SYSTEMS

Header Size	L (IN.)	W (IN.)	H (IN.)
4"	42"	72"	86"
6"	42"	72"	86"
8"	42"	72"	86"
10"	48"	84"	94"
12"	48"	84"	94"

Dimensions shown for standard design pumping systems

### 3 PUMP SYSTEMS

Header Size	L (IN.)	W (IN.)	H (IN.)
6"	72"	72"	86"
8"	72"	72"	86"
10"	84"	84"	94"
12"	96"	84"	94"
14"	108"	84"	94"
16"	120"	96"	114"
18"	120"	108"	128"

### 4 PUMP SYSTEMS

Header Size	L (IN.)	W (IN.)	H (IN.)
8"	108"	72"	86"
10"	120"	84"	94"
12"	120"	84"	94"
14"	144"	84"	94"
16"	156"	96"	114"
18"	168"	108"	128"
20"	168"	108"	128"
24"	168"	108"	128"

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