



FOAM SYSTEMS

CAFSystems™

FIRE PUMPS

SIMULTANEOUSLY HIGH / LOW PRESSURE

# HLU Series

## WILDLAND AND URBAN INTERFACE

OPTIONAL K SERIES TRANSMISSION  
FOR PUMP-AND-ROLL



OPTIONAL PA SERIES TRANSMISSION



DESIGNED TO PUMP BOTH HIGH AND LOW PRESSURE SIMULTANEOUSLY

LIGHTWEIGHT, CORROSION-RESISTANT CONSTRUCTION

OIL-FREE PRIMER WITH VAP (OPTIONAL)

AUTOMATIC THERMAL RELIEF VALVE

EXTERNAL HIGH PRESSURE RELIEF VALVE (EHPRV)

SELF-ADJUSTING MECHANICAL SEAL

ANODIZED ALUMINUM INTAKE

ANODIZED ALUMINUM DISCHARGE MANIFOLD WITH SIX (6) OUTLETS

AUTOMATIC CROSSOVER VALVE (OPTIONAL)

## PERFORMANCE

### HIGH PRESSURE

100 GPM @ 600 PSI

400 L/MIN @ 40 BAR

### LOW PRESSURE

1000 GPM @ 150 PSI (4000 L/MIN @ 10 BAR)

1250 GPM @ 150 PSI (5000 L/MIN @ 10 BAR)

1500 GPM @ 150 PSI (5600 L/MIN @ 10 BAR)

# SPECIFICATIONS: VEHICLE MOUNTED: HLU SERIES

Designed to Pump Both High and Low Pressure Simultaneously

HLU Series Pump Performance														
HLUD HLUK HLUPA	Low Pressure							High Pressure						
	GPM	L/min	L/Sec	PSI	Bar	kPa	MPa	GPM	L/min	L/Sec	PSI	Bar	kPa	MPa
	1000	4000	65	150	10	1000	1.0	100	400	6.5	600	40	4000	4.0
	1250	5000	80											
1500	5600	95												

## Pump Features

- Designed to pump both high and low pressure simultaneously
- Lightweight, corrosion-resistant construction
- Automatic thermal relief valve
- External high pressure relieve valve
- Self-adjusting mechanical seal
- Anodized aluminum intake
- Anodized aluminum discharge manifold with six (6) outlets

## Pump Specifications

### Pump Body:

Corrosion-resistant anodized aluminum

### Low Pressure Impeller:

Wear-resistant anodized aluminum, flame-plated hubs

### High Pressure Impeller:

Bronze

### Impeller Shaft:

Stainless steel

### Wear Ring:

Bronze

### Shaft Seal:

Maintenance-free mechanical seal

### Pedestal:

Constructed of anodized aluminum

### Intake:

Anodized aluminum

### Discharge Manifold:

Anodized aluminum or bronze with six discharge outlets

### External High Pressure Relief Valve (EHPRV):

EHPRV is standard equipment. OEM may choose to use their own high-pressure relief valve.

## Optional Equipment

### Separately Mounted Round the Pump (RTP) Foam Proportioner:

The Waterous RTP Foam Proportioner consists of an eductor, foam proportioning valve and an ON/OFF control valve. When activated, a portion of the pump discharge flow is directed to the eductor, causing a pressure drop in the eductor, which draws foam concentrate through the proportioning valve. The foam mixes with the water flowing through the eductor. The foam solution then enters the pump through the pump intake and finally delivered to the discharge outlets.

### Separately Mounted Primer:

VPOS electric, oil-free rotary vane primer with a pump-mounted vacuum activated priming valve (VAP) or VENTURIS Air Primer.

### K Series Transmission:

The K Series Transmission is normally used when a truck transmission mounted power take-off is selected as the pump drive.

**Housing:** Aluminum

**Gears:** Helical, precision cut, crown shaved for proper load distribution and quiet operation.

### PA Series

PA Series transmission is normally used when a truck transmission mounted power take-off is selected as the pump drive. Designed for use with Allison transmissions with 10-bolt PTO.

**Housing:** High-strength aluminum

**Chain:** High-strength involute chain

## Warranty

Waterous Seven-Year Limited Warranty.

## Conditions of Sales

For details on Waterous Conditions of Sales, refer to F-2190, *Conditions of Sales*

## HLU Series Low Pressure

