



FOAM SYSTEMS

CAFSystems™

FIRE PUMPS

SIMULTANEOUSLY HIGH / LOW PRESSURE

HLU Series

WILDLAND AND URBAN INTERFACE



OPTIONAL K SERIES TRANSMISSION
FOR PUMP-AND-ROLL



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

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														
Low Pressure								High Pressure						
HLUD HLUK	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).

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.

Total Protection Package (TPP-5)

The Total Protection Package is a comprehensive warranty that increases your standard 7 year warranty to include labor expenses to dismantle, remove and reinstall covered products or parts for a period of five years.

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 Pump Weight		
Model	Pounds	kg
HLUD	230	104
HLUK	265	120

HLU Series Low Pressure

