

## Walchem EHE Metering Pumps

**WALCHEM**

- Advanced microprocessor-based control board allows a versatile 1800:1 turndown ratio

Walchem EHE series metering pumps offer more power and better performance than any other electronic metering pump on the market. With flow capabilities up to 480 gpd, pressure ratings from 30 to 150 psi, and a microprocessor-based control board that allows turndown ratios of 1800:1, these pumps are the most efficient and versatile available.

EHE series pumps are great for a variety of applications. They feature a user-friendly 4-button keypad that adjusts pump speed, toggles between internal or external control, and operates the start/stop function. Once turned on, the pump primes in seconds. Pace the pump using 4-20 mA or pulse signals.

The scalable 4-20 mA signal allows you to set both minimum and maximum stroking frequencies. Operate pulse signals in two modes: pulse multiply or pulse divide. In pulse multiply mode, one pulse produces 1 to 999 strokes. In pulse divide mode, the pump can receive a number of pulses and divide by a factor of 1 to 999.

<b>Maximum viscosity:</b>	200 cP
<b>Suction lift:</b>	5 ft
<b>Turndown ratio:</b>	1800:1
<b>Accuracy:</b>	±2%
<b>Input:</b>	4-20 mA and pulse
<b>Power:</b>	115 VAC



**Digital display**



Rear View of Pump

### Pumps for Chlorine & General Chemicals

Use with aluminum sulfate (alum), ammonium chloride, ammonium sulfate, calcium hypochlorite, ferric sulfate, potassium permanganate, sodium bisulfate, sodium hexametaphosphate and sodium hypochlorite (call for compatibility with other chemicals).

**Wetted materials:** PVC head, PVDF gaskets, ceramic check balls, PTFE diaphragm and FKM seals.

**Chlorine & General**

**2-year bumper-to-bumper warranty**

MFR #	MAX GPD	PSI	CONNECTION	STOCK #	EACH	REPAIR KITS	STOCK #	EACH
EHE31E1-VC	132	150	1/2" OD Tube	75536	\$	E31VC-PK	75552	\$
EHE36E1-VC	204	105	1/2" OD Tube	75537		E36VC-PK	75553	
EHE46E1-VC	288	60	1/2" OD Tube	75538		E46VC-PK	75554	
EHE56E1-VC	480	30	1/2" OD Tube	75539		E56VC-PK	75555	

**Pumps (except sulfuric acid pumps) include:**

injection valve, foot valve, ceramic weight and 20' of polyethylene tubing. Pumps for sulfuric acid are designed to be hard piped and do not include the items listed above.

**Repair kits include:** diaphragm and retainer, valve guides, valve seats, check balls, gaskets and O-rings.

### Pumps for Caustic Soda

Use with ammonium hydroxide, methanol and sodium hydroxide (caustic) (call for compatibility with other chemicals). **Wetted materials:** PVC head, PVC fittings, ceramic check balls, PTFE diaphragm and EPDM seals.

**Caustic Soda**

MFR #	MAX GPD	PSI	CONNECTION	STOCK #	EACH	REPAIR KITS	STOCK #	EACH
EHE31E1-VE	132	150	1/2" OD Tube	75540	\$	E31VE-PK	75556	\$
EHE36E1-VE	204	105	1/2" OD Tube	75541		E36VE-PK	75557	
EHE46E1-VE	288	60	1/2" OD Tube	75542		E46VE-PK	75558	
EHE56E1-VE	480	30	1/2" OD Tube	75543		E56VE-PK	75559	

### Pumps for Fluoride\*

Use with fluoride and hydrofluosilicic acid (call for compatibility with other chemicals).

**Wetted materials:** PVC head, PVC fittings, PTFE check balls, PTFE diaphragm and EPDM seals.

**Fluoride**

MFR #	MAX GPD	PSI	CONNECTION	STOCK #	EACH	REPAIR KITS	STOCK #	EACH
EHE31E1-VF	132	150	1/2" OD Tube	75544	\$	E31VF-PK	75560	\$
EHE36E1-VF	204	105	1/2" OD Tube	75545		E36VF-PK	75561	
EHE46E1-VF	288	60	1/2" OD Tube	75546		E46VF-PK	75562	
EHE56E1-VF	480	30	1/2" OD Tube	75547		E56VF-PK	75563	

An electronic metering pump's hydraulic output power, or "power index," is calculated by multiplying its maximum pressure output by the pump's gallon per hour rating. An EHE36 with an output of 204 GPD at 105 psi equals a power index of 892.5—no other metering pump comes close!

**operator notes**

### Pumps for Sulfuric Acid\*

Use with 37% hydrochloric acid, 50% hydrogen peroxide, peracetic acid and sulfuric acid (call for compatibility with other chemicals). **Wetted materials:** PVDF head, PVDF fittings, ceramic check balls, PTFE diaphragm and PTFE seals.

**Sulfuric Acid**

MFR #	MAX GPD	PSI	CONNECTION**	STOCK #	EACH	REPAIR KITS	STOCK #	EACH
EHE31E1-FCT	132	150	3/4" NPT(M)	75548	\$	E31FC-PK	75564	\$
EHE36E1-FCT	204	105	3/4" NPT(M)	75549		E36FC-PK	75565	
EHE46E1-FCT	288	60	3/4" NPT(M)	75550		E46FC-PK	75566	
EHE56E1-FCT	480	30	3/4" NPT(M)	75551		E56FC-PK	75567	

\* Not certified by WQA.

\*\* Pumps with the FCT wet end are designed to be hard-piped and do not include a manual air vent valve.

**See pages 173-174 for polyethylene tubing.**



See pages 198-201 for **Chemical Feed Skid Systems.**