



ADVANCED LIQUID HANDLING, INC.

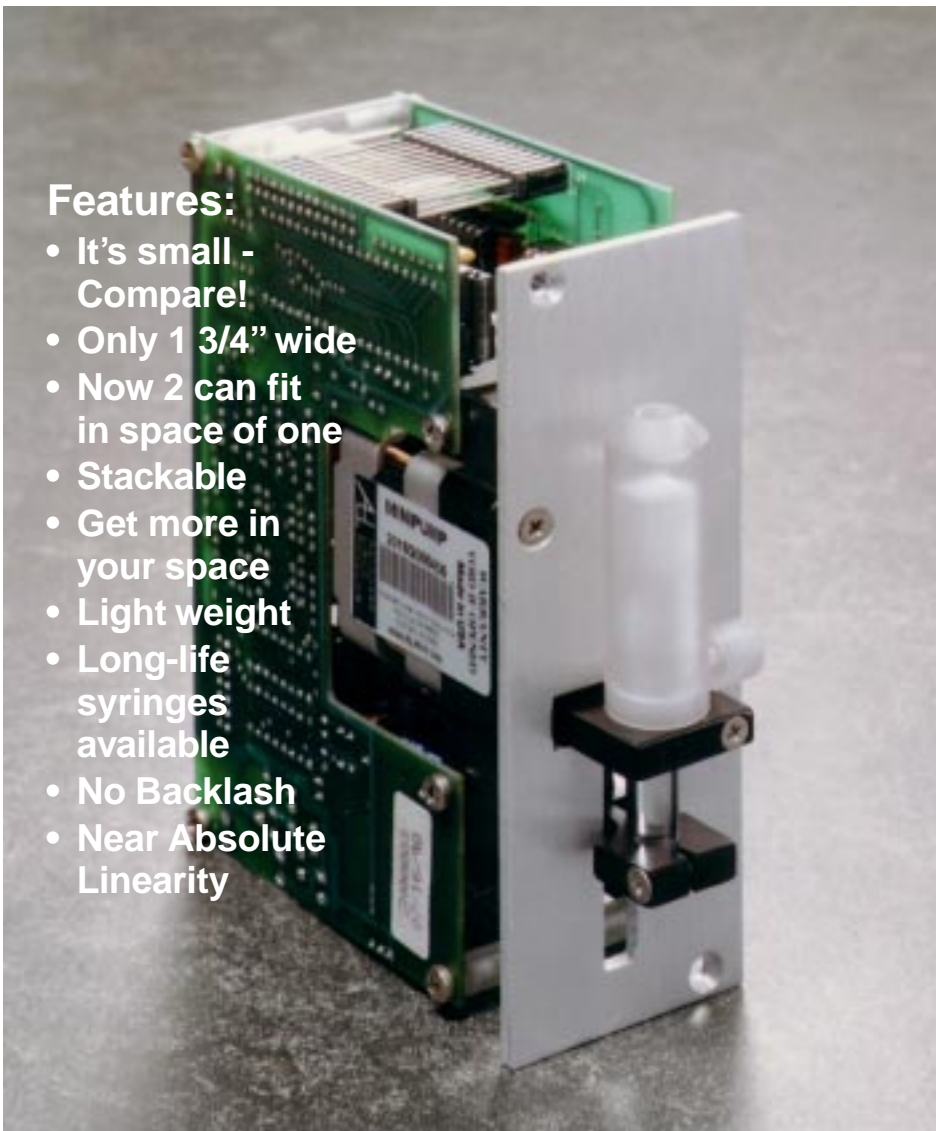
## Minipump Syringe Pump

You can go to the head of your class with our new **Minipump**. This versatile little pump uses standard protocols and is adaptable to your many needs.

### Choices:

- With or without electronics
- With or without valve
- With or without front panel
- Stand alone case or none
- Long life displacement syringes or standard short (3cm) syringes

As with all ALH pumps, the **Minipump** features our patented **ZERO-BACKLASH** technology



### Features:

- It's small - Compare!
- Only 1 3/4" wide
- Now 2 can fit in space of one
- Stackable
- Get more in your space
- Light weight
- Long-life syringes available
- No Backlash
- Near Absolute Linearity

## A Pump You Can Play With

### Call Us

**1-800-55 99 254**

### Typical Specifications

**Size:** As Shown: 5"(127mm)H x 1.75"(45mm)W x 3.5"(89mm)D (behind panel)

**Weight:** As Shown: 19oz (540g)

**Capacity:** Maximum syringe volume: 2.5 ml

**Force:** Up to 9 lbf (4 kgf)

**Speed:** Syringe: Maximum 1 second full stroke

**Resolution:** 2000 steps

**Stroke:** 30mm

**Syringe** Volume 1 ml (as shown) up to 2.5 ml

Body Material: Polycarbonate/polyolefin

Piston Material: Borosilicate glass

**Valve:** Teflon & Kel-F 3/4 way shear (as supplied)

**Firm ware:** Hamilton ML-OEM® or Cavro XL3000® protocol emulation

**Imprecision:** <0.01% C.V. at full stroke

Specifications subject to change without prior notice. ®Registered Trademarks are the property of their respective owners.

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