

## HC997 Chemical Dosing pump



- Multifunction solenoid driven metering pump with constant & proportional dosing
- Digital control, LCD & LED display
- Programming menu password protected
- Proportional control from a water meter or milliamp signal
- Day/week timer dosing control
- Injection frequency control 0-100%
- Power supply: 240Vac 50/60Hz
- On/off switch
- IP65 protection
- Low level facility
- Manual air bleed valve for quick priming
- Ready for wall or foot mounting (Brackets included)

HC997 is a constant & proportional flow rate solenoid driven dosing pump, supplied as standard with PTFE diaphragm, PTFE balls and Viton seals and the pump operates up to 150 pulses /minute. Designed for either continuous or intermittent operation, they are a reliable means of conveying strong chemicals under precise control into water treatment and process systems.

**Constant mode:** enables you to select the exact number of strokes, between 0-100% via LCD 2x16 backlight display

**Pulse Mode:** proportional modes available under water meter reed impulses, 1xN pulse multiplication, 1xN (M) with pulse time management N:1 water meter pulse division.

**mA mode:** The pump will pump in response to an external 4-20 milliamp signal. There are also 2 set points for creating your own dosing bandwidth.

**Timer mode:** Controlled via 24Hr 7 day timer with 8 On/Off functions or internal cyclic on/off timer





## Technical Characteristics

| Order Code | Model | Flow rate Ltr/Hr | Press Bar | Stroke Volume ml | Strokes | Consumption Watt | Hose | Pump Head |
|------------|-------|------------------|-----------|------------------|---------|------------------|------|-----------|
| AD9710001  | 1     | 2                | 8         | 0.22             | 150     | 15               | 4x6  | PVDF ½"   |
|            |       | 5                | 5         | 0.55             |         |                  |      |           |
|            |       | 7                | 2         | 0.77             |         |                  |      |           |
| AD9710101  | 2     | 7                | 4         | 0.77             | 150     | 15               | 4x6  | PVDF ½"   |
|            |       | 8                | 2         | 0.88             |         |                  |      |           |
|            |       | 10               | 0         | 1.11             |         |                  |      |           |
| AD9710201  | 3     | 3                | 12        | 0.33             | 150     | 20               | 4x6  | PVDF ½"   |
|            |       | 4                | 10        | 0.44             |         |                  |      |           |
|            |       | 5                | 8         | 0.55             |         |                  |      |           |
| AD9710301  | 4     | 10               | 4         | 0.93             | 180     | 20               | 4x6  | PVDF ½"   |
|            |       | 12               | 2         | 1.11             |         |                  |      |           |
|            |       | 14               | 0         | 1.29             |         |                  |      |           |

## Liquid End Materials

| HC897               | Standard version | Upon Request  |
|---------------------|------------------|---------------|
| Pump Head           | PVDF             | -             |
| Diaphragm           | PTFE             | -             |
| Balls               | PTFE             | Pyrex-Ceramic |
| Valve Body          | PVDF             | -             |
| O-Rings             | Viton            | EPDM          |
| Injection fitting   | Hastelloy- PTFE  | -             |
| Foot valve strainer | PVDF             | -             |

## Dimensions

