

# Multi inlets / outlets dosing and mixing pump



www.naopump.com

## Pump features

The *NaoMix* permits multiple pump configurations meant for customized or specific applications. The pump can be used for dosing and/ or mixing liquids with a single pump head.

The *NaoMix* has up to eight inlets/outlets fully configurable in the design. The pump enables to design complex fluid sequences such as: emulsifier, drug delivery, vaccine preparation,...

- Ultra compact design
- Dual independent pistons
- Efficient low cost drive
- Direct motors coupling
- Rotary valves commutation
- No gear, no belt, no crank, no back and fro play
- Durable or disposable pump head
- Double sealing for aseptic protection



*Dosing station concept design*

## Characteristics

|                          |   |
|--------------------------|---|
| Pump chambers volume     | from 1 to 25 ml   |
| Inlets /outlets          | from 2 to 8   |
| Flow rate range          | 0.01 to 25 ml/s   |
| Volume accuracy          | +/- 1 % of full chamber   |
| Max. outlet pressure     | + 60 bars (850 psi)   |
| Max. inlet vacuum        | - 0.7 bars (-10 psi)  |
| Flow profile             | Customizable  |
| Fluid viscosity          | up to 70'000 cps  |
| Inlet / Outlet connector | Custom design (luer,...)  |
| Disposable materials     | Custom design (PC, Copolyester, PVC, ABS,...)<br>Custom design (EPDM, NBR; LSR,...)<br>USP Class VI (Sterilization ETO, Gamma, eBeam,...) |
| Motor                    | Stepper motor   |



*Fully programmable PC software*