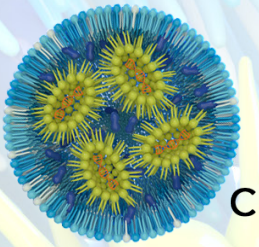
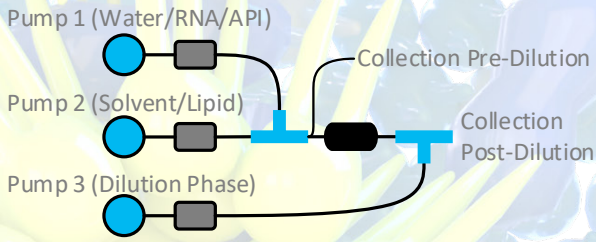


# TRANSFORMING LNPS WITH CONTINUOUS MANUFACTURING


Uses turbulent jet mixer for fine particle control.

| Specification* | Value |
|---|---|
| Output Flow (max) | 400 ml/min |
| Solvent Flow Rate | 20 mL/min |
| Flow Rate Ratio | 2-8 |
| Dilution Port | Yes |
| Touchscreen HMI | Yes |
| Programmable Recipes | Yes |
| Data Logging | Yes |
| Voltage, Frequency | 100-240 V, 50/60 Hz |
| Enclosure | Stainless Steel |
| Dimensions | 30 x 30 x 12” (76 x 76 x 30 cm) |

*Values subject to change. DIANT LARU is for R&D use only

## Solvent injection

The DIANT® LARU is our low flow rate, low dead volume equipment for producing nanoparticles *via* a continuous process. All DIANT® technology use the same **DIANT® jet mixer**, which is scalable from R&D to commercial manufacturing.

## Process analytical technology

Integrated **PAT**, inline particle size control and monitoring using InProcess LSP NanoFlowSizer, **SR-DLS**

## Continuous manufacturing

Our systems produce nanoparticles *via* a continuous process. This system is capable of running from seconds to hours, producing the quantity of material required for different applications

## Ease of Use

Standard connections for bottles, tubes or 2D bags

## Multiple Program Options

Store and create runtime recipes to produce particles at different flow conditions and for set durations

## Temperature

Control the temperature of your sample

Temperature control requires water circulator, sold seperately

**Addon Features:**

(1) Temperature control for each stage
(2) Particle Size Analysis

Lipid Nanoparticles (LNPs) | Liposomes | Nucleic Acid/Lipid Complexes
Polymeric Micelles | Suspensions

*A Processing Technology You Can Depend On*