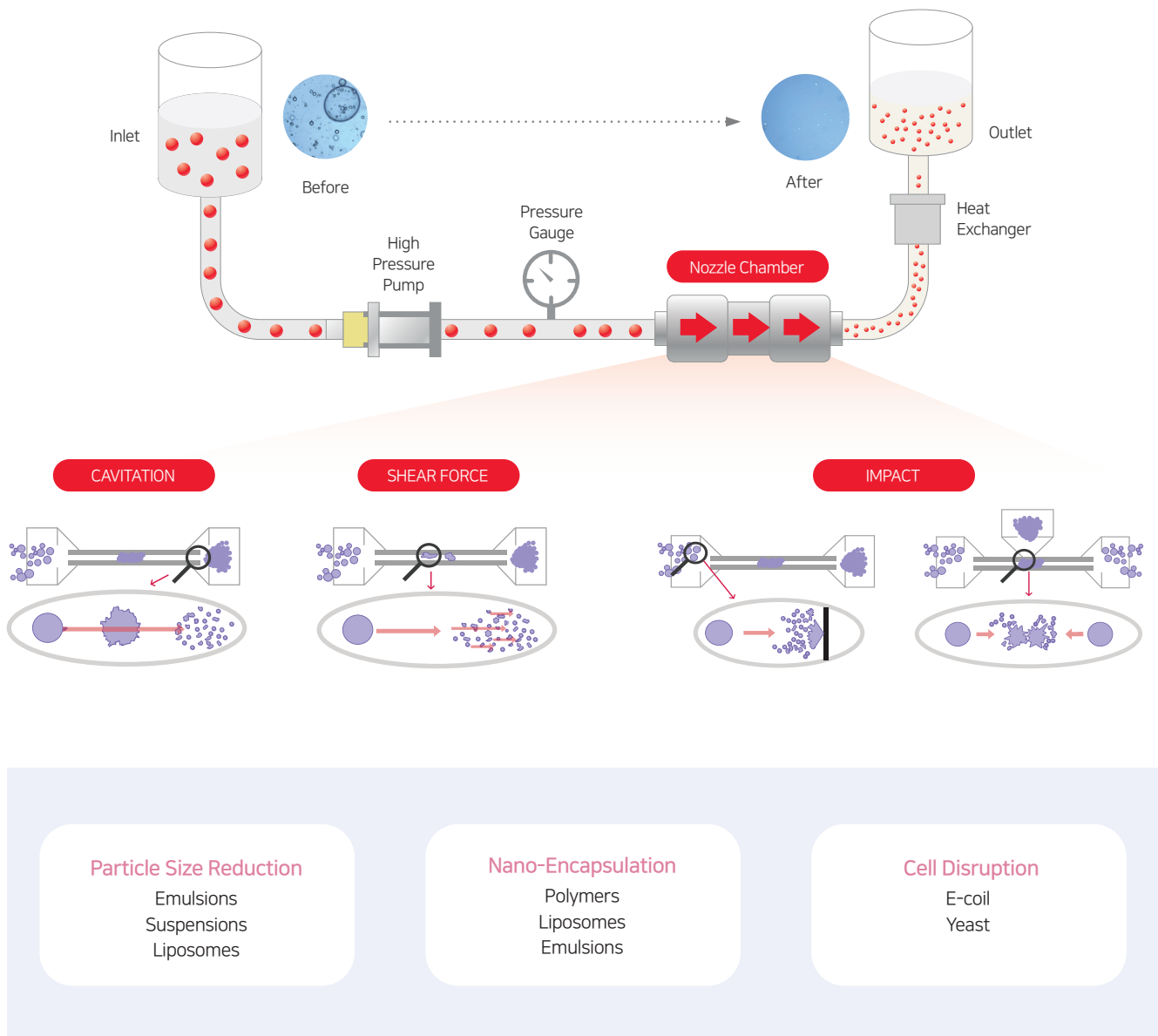


High Pressure Homogenizer

Nano Disperser make dispersion of particle passing through the nozzle chamber with ultra high pressure and there are force of impact, cavitation and share stress in the nozzle chamber.

It used in applications of chemical, food, cosmetics, petroleum and paints.



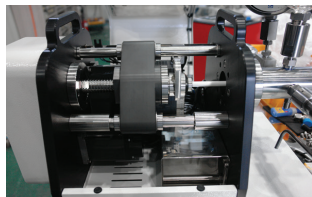
※ Consult with a staff in charge regarding various applications

Nano Disperser(NLM 100)

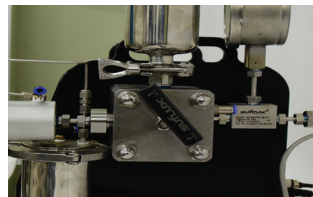


Operating	Max. 1,500bar
Flow Rate	Max. 100ml/min
Pump System	Motor Driven Type [220VAC, 1PH, 60 Hz, 1HP]
Inlet Reservoir	500ml
Dimension	583(D) x 576(W) x 435(H)mm
Weight	Approx. 45kg

Flow Rate	Max Pressure	Interaction Chamber	
		Size	Type
100ml/min	Max. 1,500bar	75um	Z Type



Motor driven and single piston



Air vent valve



Adjustable pressure by motor speed



Cooling tank after process

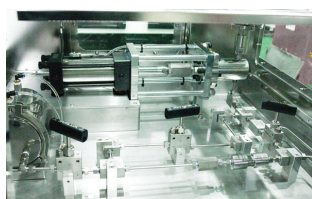
Nano Disperser(NH 500)



Operating	Max. 1,500bar
Flow Rate	Max. 500ml/min
Pump System	Hydraulic Unit System
Inlet Reservoir	2,000ml
Dimension	800(D) x 850(W) x 1,500(H)mm
Weight	Approx. 800kg

Flow Rate	Max Pressure	Interaction Chamber	
		Size	Type
500ml/min	Max. 1,500bar	100um	Z Type

*flow rate : water



Easy to remove clogging by back-flushing



Cooling system



Cases for safety



Pressure adjustable

High Pressure Homogenizer

Nano Disperser NH 2000, NH 4000, NH 8000



NH 2000



NH 8000

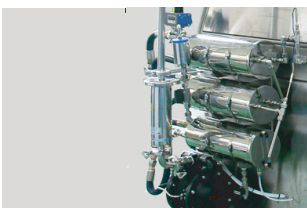


NH 4000



Nano-disperser special type

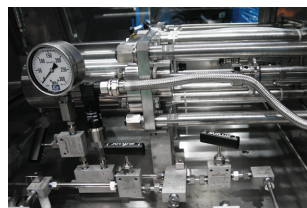
Series	Flow Rate	Max Pressure	Interaction Chamber	
			Size	Type
NH 2000	2,000 ml/min	1,500bar	100,400um	Z/Y Type
NH 4000	4,000 ml/min	1,500bar	100,400um	Z/Y Type
NH 8000	8,000 ml/min	1,500bar	100,400um	Z/Y Type



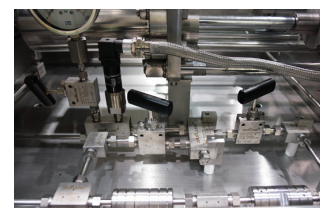
Cooling tank



Monitor and alarm System



Cooling line on high pressure part



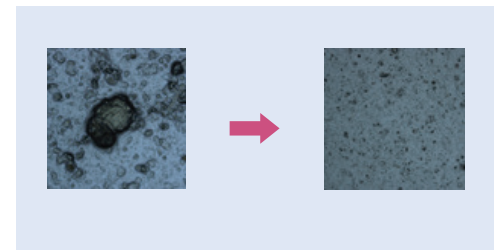
Easy to remove clogging by back-flushing

Product	Effect
milk	dispersion
soybean milk	homogeneization
CNT	dispersion
water+oil	suavity
CERAMIC(Si)	dispersion
TiO ₃	crushed
graphite (carbon)	crushed
CeO ₃	dispersion
cosmetics raw materials	suavity
Pigment	dispersion
a high molecule substance	crushed
Al ₂ O ₃	dispersion

Emulsion



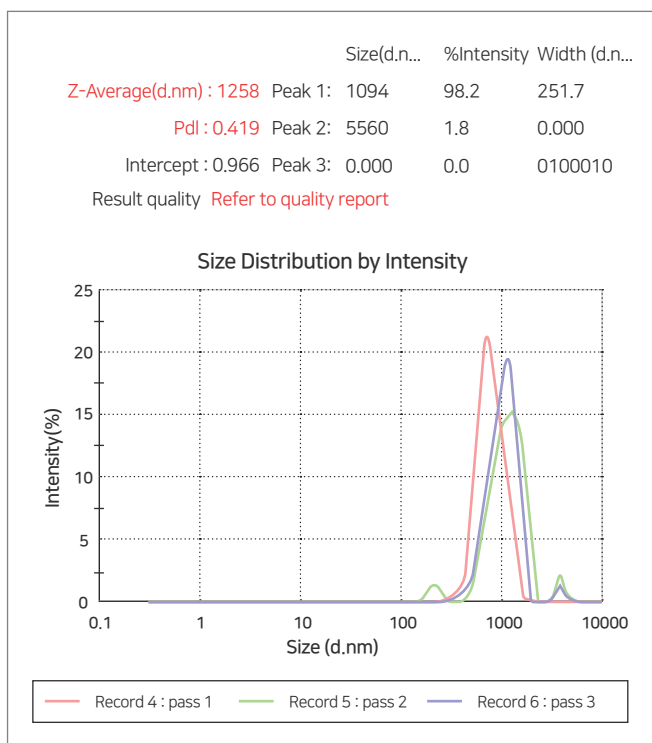
Rupture



Dispersion



BEFORE



AFTER

