

Dispensing Systems

N40 / N50

Solvent-Based Solutions

Benefits

- **EFFICIENT**
Just-in-time finished product; high volume, high accuracy
- **INTUITIVE**
Automated material re-work tools enable operators to work off redundant or slow moving color
- **ACCURATE**
Consistent, repeatable automated batch manufacturing



NOVAFLOW N40 / N50

N40 and N50 are high-accuracy, automated dispensing systems for a hazardous environments; the machines are electrically grounded, meeting FM Class 1, Division 1 standards.

Drawing ink from pails, drums, bulk totes, or fixed tanks, standard N40 and N50 systems can accurately dispense up to 28 components into a wide variety of batch sizes, including pails, drums, and bulk totes using multiple scales. Upon request, N40 and N50 systems can dispense up to 96 components.

N40 incorporates SelectFlow two-stage, stainless steel valves. With SelectFlow valves, the system is configured for either flow rate or accuracy, or any combination of the two. This flexibility is ideal for small batching facilities that focus on cost and accuracy or for large batch manufacturing that require speed and volume.

N50 is for medium and large batching operations that require fast dispensing as well as extremely high accuracy weighing regardless of the batch size. N50 incorporates MultiFlow four-stage, stainless steel valves. With a MultiFlow valve, operators can use a small aperture for ultra fine dispensing amounts. MultiFlow valves optimize dispense speed and dispense accuracy in unison, offering unparalleled accuracy batch after batch.

Technical Data

Environment	Hazardous
Application	Solvent-based products
Supply	12, 16, 20, 24, 28+
Dispense Valves	N40: SelectFlow or N50: MultiFlow Stainless steel and Delrin
Pumps	1/2" or 1" aluminum bodied AODD pumps, Teflon diaphragms and balls
Fluid Lines	UHMW chemical line, internal wire helix
Accuracy	60 lb.: +/- 0.5 grams (+/- .001 lbs.) 600 lb.: +/- 1 gram (+/- .002 lbs.)
Production	N40: 4-6 minute per 5-gallon N50: 3-5 minute per 5-gallon
Scale	Mettler Toledo
Cabinet	NEMA 4X housing with X-Purge system
Ball Valves	Brass
Cam Locks	Aluminum
Hose Fittings	Plated steel with Mikalor high-pressure clamps
Pulsation Dampeners	Stainless steel
Software	Level 2 EMMS