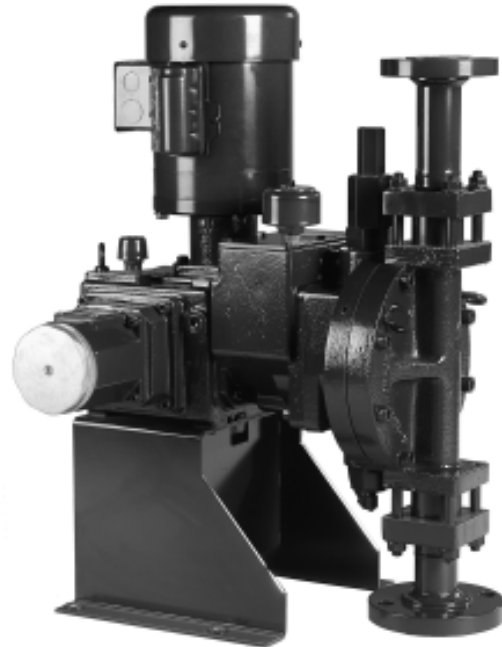


Features:

- Design Capacities of 21.23 to 855.9 GPH
- Discharge Pressures to 225 PSIG
- Metering Accuracy of $\pm 0.5\%$
- 10:1 Turndown via Stroke Length
- Internal Hydraulic Relief Valve
- Modular Design for Ease of Upgrades
- Multiple Options for Custom Solutions
- Specifically Matched Accessories
- API 675 & HI Standards Compliant



Performance Table*				
Capacity (GPH)	Pressure (PSIG)	Speed (SPM)	Plunger Diameter	Connection Size
21.2	225	32	40 mm	1" x 3/4"
42.5		65		
55.3		85		
69.1		105		
85.1		130		
110.6		170		1-1/2" x 1"
41.1	225	32	55 mm	1-1/2" x 1"
82.1		65		
107		85		
134		105		
163		130		
214		170		2" x 1-1/2"
55.6	225	32	65 mm	2" x 2-1/2"
111		65		
145		85		
181		105		
222		130		
289		170		2-1/2" x 2"
87.2	155	32	80 mm	2" x 1-1/2"
174		65		
228		85		
285		105		
352		130		
456		170		2-1/2" x 2"
106	130	32	90 mm	2-1/2" x 2"
212		65		
276		85		
346		105		
426		130		
553		170		3" x 2-1/2"
164	85	32	110 mm	2-1/2" x 2"
328		65		
428		85		
534		105		
658		130		
856		170		3" x 2-1/2"

*Simplex capacities shown. Multiply for multiplex pumps.

The NIKKISO Milflo™ MX Series 5000 is a high performance, state-of-the-art, hydraulically actuated, diaphragm metering pump. The pump is available in simplex or multiplex configurations, with independent capacity adjustment for each pumphead.

All drive parts are fully enclosed and operate in an oil bath which minimizes friction and wear while providing protection from harsh environments. NIKKISO Milflo™ MX Series 5000 drives are all amplitude modulation design, eliminating lost motion and excess shock loads, while assuring longer pump life; and feature the new, patented technology of the X Crank for higher accuracy and efficiency.

A self-compensating hydraulic system assures automatic diaphragm position control and eliminates the need for troublesome vacuum breakers. Hydraulic valving removes any entrained air to maintain a tight hydraulic circuit and steady state accuracy.

The easy-to-read digital stroke length indication enables convenient capacity adjustment between 0.0 and 100.0% while the pump is operating or stopped. In addition to manual control, the pump can be supplied with optional automatic capacity control, making it possible for the pump to control the flow rate in proportion to various process signals. A simple, externally adjustable, internal hydraulic relief valve protects the pump and the process from pump induced overpressure situations.

Custom Features	Accessories
Alternate Diaphragm Materials	NIKKISO HydroChek™ Calibration Columns
API 675 & HI Standards Compliant	NIKKISO HydroDamp® Pulsation Dampeners
Automatic Capacity Control	NIKKISO HydroDrive™ VSD's and Motor Controls
Sanitary Liquid End	NIKKISO HydroGarD® Back Pressure Valves
Double Diaphragm Liquid Ends	NIKKISO HydroGarD® Safety Relief Valves
Diaphragm Status Indication	NIKKISO HydroInjex™ Injection Assemblies
Liquid End Jacketing	NIKKISO HydroMix™ Agitators
Liquid Piston - Remote Liquid End	NIKKISO HydroTank® Liquid Handling Packages

Component	Materials of Construction			
Pumphead	316SS	Alloy 20	Hastelloy® C	PVC
Check Valve Body	316SS	Alloy 20	Hastelloy® C	PVC
Check Valve Seat	316SS	Alloy 20	Hastelloy® C	PVC
Check Valve Element	316SS	Alloy 20	Hastelloy® C	Ceramic
Diaphragm	PTFE	PTFE	PTFE	PTFE
O-Rings	PTFE	PTFE	PTFE	FKM

*Non-standard combinations and materials are available upon request.

