

MX - Series



No leakage - High accuracy - High efficiency

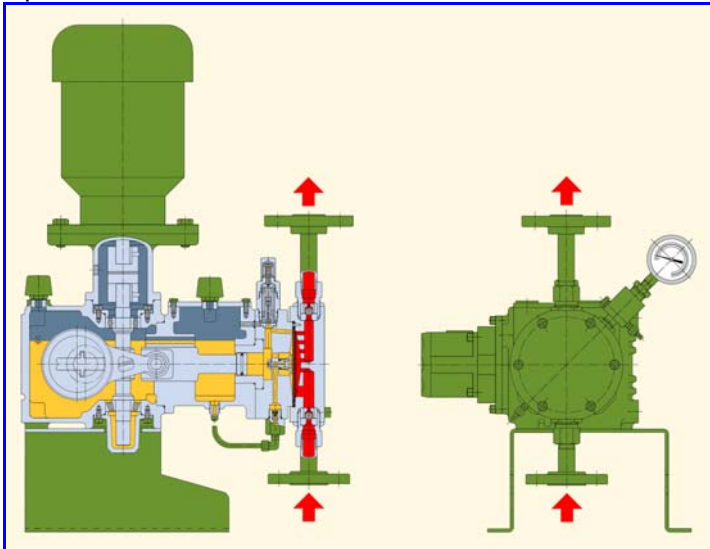
Capacity	max. 350 bar(g)
Pressure	max. 280 l/min

MX - Series

General

Nikkiso MX-Series metering pumps are leak free pumps for highest accuracy at high pressures. They are designed and built for an uninterrupted continuous service life of several decades under normal specified operating conditions.

Special pump heads are available for solidifying liquids (jacketed), gas forming liquids (special vent), high viscosity liquids and slurries.



The liquid pumped flows through the pump head and the pump valves and is separated from the hydraulic system by a sandwich type diaphragm. The hydraulically actuated diaphragm facilitates high accuracy and repeatability.

A diaphragm rupture detector increases the safety of the pump system.

All moving parts are oil lubricated and require little maintenance. The hydraulic system is automatically vented and safeguarded by an incorporated integral relief valve.

The pumps satisfy API 675 with a steady state flow accuracy of $\pm 0,5\%$ and a turndown ratio of 10:1.

Speed control by a frequency converter is possible within a range of 10:1.



X-crank

The newly developed "X-crank" stroke control mechanism enables higher pump speed and piston forces, thus decreasing the size of the pump at the same time.

The stroke length is digitally indicated and in 0.1% increments.

Stroke control is possible from 0% to 100% whilst the pump is stopped or operating.

Stroke adjustment is possible manually, electrically or pneumatically.

Pump capacity range

