Micro infusion pumps are programmed, time-released mechanisms that dispense precise volumes of medications. The Bal Seal series 64X has a snap-on locking feature for ease of assembly and provides low dead volume to control dispensing accuracy.

A Bal Seal KCX series seal for reciprocating service exhibits low stick-slip friction and reduces contamination into the syringe area. The piston assembly is held concentric in the housing bore with a spring loaded PW series guide ring.

Operating Parameters

- **Pressure:** Vacuum to 30 psi (2.1 kg/cm²)
- **Speed:** Slow, linear travel or incremental movement
- **Temperature:** 70°F (21°C)
- **Media:** Pharmaceutical medication
- **Additional:** Low stick-slip friction and excellent sealing

Seal Selection: 64X and KCX

Features:

- Bal Seal 64X series selected for low friction, good sealing and reduced dead volume.
- Bal Seal KCX selected for light-duty sealing needs and press-in metal locking ring retention system
- Unique, low-friction seal design minimizes motor power loss, which affects fluid metering.
- Patented, canted-coil spring energizer provides near-constant force for long seal life
- Filled PTFE seal materials can be operated unlubricated and are FDA-compatible

For more information and technical assistance, contact a technical sales representative.