

AXP Auxiliary Pump



The AXP Auxiliary Pump is a single-piston, isocratic metering pump ideal for ion chromatography sample and reagent delivery. The chemically inert, metal-free, PEEK-based flow path eliminates corrosion and contamination problems when using acidic or alkaline reagents, or common water-miscible solvents.

Key Features

Digital Control and Status

The single-piston pump uses a digital stepper drive and rapid refill to deliver precise and accurate flow. Internal transducer provides pressure display and monitoring capability.

Wide Flow Rate Range

The AXP operates from 0.01–9.99 mL/min at pressures up to 2500 psi.

Internal Pulse Damper

Diaphragm-type pulse damper reduces pulsation while maintaining an inert flow path.

Fully IC and Biocompatible

PEEK, ceramic, and other inert fluid path materials ensure a wide range of solvent and analyte compatibility, and long life in the laboratory environment.

Positive Seal-Washing Standard

The self-flush head extends seal life dramatically by removing salts and wetting the seal.

Easy Maintenance

The complete head assembly can be changed in seconds at a price similar to seals and check valves in many pumps.

Flexible, Advanced Chromeleon® Control

The AXP can be truly controlled (control/status) through Chromeleon revision 6.8 or greater. Limited control is possible using earlier versions of Chromeleon or relay control.

Convenient Size

The pump requires less than one square foot of bench space.

SPECIFICATIONS

Rated Pressure:
2500 psi

Flow Rates:
0.01–9.99 mL/min

Flow Accuracy:
3% throughout flow range

Pressure Pulsation:
2% peak-to-peak at 100 psi, 1 mL/min with in-line pulse damper

Flow Rate Precision:
0.5% at calibration pressure

Control:

- Interfaces with Chromeleon, RS-232, and relay control
- Full control with Chromeleon revision 6.8 or greater using serial/USB connection
- Limited control (no status feedback) with generic serial driver
- Front panel and relay control

Dimensions (h × w × d):
6.5 × 6.5 × 10 in

Weight:
15 lbs

Power:
120/230 V ac; 50/60 Hz

Materials:
PEEK, ceramic, and inert polymers

ORDERING INFORMATION

In the U.S., call 1-800-346-6390 or contact the Dionex regional office nearest you. Outside the U.S., order through your local Dionex office or distributor. Refer to the following part numbers.

Description	Part Number
AXP Auxiliary Pump	063973

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