



Eldex
Precision Under Pressure

Optos Series Hot Head™ Accessory

Keep Viscous & Waxy Fluids Flowing
Without Downtime.

The Eldex Optos Hot Head™ is a quick-install heated pump head accessory designed to maintain temperature where it matters most - **at the pump head and valves** - preventing cooling, clogging, and flow instability when pumping viscous or waxy fluids.

Quick Heating, Easy Removal

Laboratory and industrial procedures often require heating lines and the pump head for viscous liquids. The Optos pump Hot Head was developed in response to this need.

The Problem

If you're pumping viscous, waxy, or temperature-sensitive fluids, you've probably experienced:

- ▶ Inaccurate flow and pressure instability
- ▶ Check valve clogging as fluids cool
- ▶ Heat tape wrapped around pump heads that
 - blocks access to valves
 - Requires time-consuming removal and reinstallation
 - Increases maintenance downtime

Cooling at the pump head is often the real failure point.

The Solution

**Targeted Heating -
Exactly Where You Need It**

The Eldex Optos Hot Head™ directly heats the pump head and valve area- keeping temperatures up to 250°F to prevent fluids from cooling, thickening, or solidifying during operation.

Ideal Applications

- ▶ Waxy hydrocarbons
- ▶ Temperature-sensitive process fluids
- ▶ Viscous liquids requiring stable flow
- ▶ Systems currently relying on heat tape
- ▶ Optos pump installations where maintenance access matters



Stop Fighting Heat Tape.

Contact us today to upgrade your dosing system
+1 707.224.8800, sales@eldex.com

Optos Series Hot Head™ Accessory

Quick Heating, Easy Removal Heated Head for Eldex Optos Pumps.
Designed from real customer pain—not theory. When downtime is unacceptable, technicians choose Eldex.



Key Benefits

The Eldex Optos Hot Head™ delivers rapid, consistent heating while preserving full access for maintenance.

Rapid & Consistent Temperature Control

- ✓ Maintains pump head temperature up to 250°F (120°C)
- ✓ Improves flow dynamics for viscous and waxy liquids
- ✓ Reduces flow variability caused by temperature drop

Reduced Downtime

- ✓ Quick-release latch allows fast installation and removal
- ✓ Full access to pump head and valves - no unwrapping heat tape
- ✓ Faster maintenance = less downtime, lower operating cost

Built for Real Lab & Process Work

- ✓ Ideal for fluids that:
 - Solidify or thicken at room temperature
 - lower viscosity at higher temperature
- ✓ Supports stable operation in lab, pilot, and process environments

Safety Built In

- ✓ Integrated bi-metal thermostat
- ✓ Automatic safety shutoff above 300°F
- ✓ Reduced risk of operator burns compared to exposed heat tape

Simple Worldwide Implementation

- ✓ 120V AC and 240V AC models
- ✓ Compatible with:
 - Customer PLC systems via K-type thermocouple
 - Optional Eldex PID Controller

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Temperature:	Up to 250 F (121C)
Hot Head Voltage:	120VAC or 240VAC 50/60Hz
Current:	6A
Material:	PEEK with Aluminum Insert
VA:	80
Safety Switch:	Off @ 300°F/148°C ON @ 250°F/120°C
Thermocouple:	K- Style

Heated Head for Optos Pumps

The Hot Head™ can be used with the optional controller or as a stand-alone device and integrated into a customer system by attaching connectors to appropriate control devices. A mating Connector kit can be purchased separately for this installation on request.

We have designed Eldex Hot Head™ to give years of trouble free service. No regular maintenance is required for this accessory. We do recommend keeping the device clean of all chemicals or debris and inspecting wiring for fraying before each use.

Please note that Eldex Pumps with damper have a temperature limit of 170°F (76°C).

Eldex

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