



ATMO
SEAL[®], INC.

Emissions Sample Transport Systems

Enduro-Flex Dispense Hose

Atmo-Seal Engineering, Inc.^(tm) is committed to providing high quality heated hose for a variety of applications. Unlike other manufacturers of "Cookie-Cutter" hose, our are tailored to specific applications. Put our specific expertise to use for your applications.



Common Heated Hose Features

- Choice of AC 50-60 HZ or DC operation in a wide range of voltages
- Choice of Thermocouple, RTD, Internal Thermostat or other sensors
- Choice of Teflon, Stainless Steel or other Internal tubes
- Super-flexible design
- Diameters 1/8" to 2" ID or larger if needed
- Optional Exteriors to match your needs and operational conditions.

A Family of Hoses for your every need...

At Atmo-Seal, Inc. we know that, in the real world, heated hoses are pulled, yanked, stomped and kicked. Our hoses are designed for the real world.

BHH Heated Hose - Used for virtually all dispense applications for hot melt and plastics

TDH Heated Hose - Super-Tough Hose designed exclusively for dispensing hot tar for road repair and patching

HWX Heated Hose - Designed for Wax Dispensing, may be FDA approved.

HDH Heated Hose - Designed for use on Docks and rough service conditions to transport petrochemicals, effluent, water. High PSI rating and extremely robust design.

HCZ Heated Hose - Used in Classified & Hazardous, Including Class 1 Div 1 Group CD

BHF Heated Hose - Used for FDA approved dispensing & viscosity control

FDH Heated Hose - Used in Pharmaceuticals Dispense

HPH Heated Hose - Dual and Single Core Spray Foam Heated Hose

HCP Heated Hose - Robotic dispense applications, high stress, rapid movement/flexing

Options

As always, Atmo-Seal, Inc., will customize your hose to your exacting specifications WITHOUT jeopardizing your delivery schedule.

"Timely Quality" It's more than just a saying at Atmo-Seal, Inc., it's our success, and yours.



ATMO
SEAL, INC.

Heated Media Delivery Systems Division

Haz-Flex Heated Dispense Hoses

Atmo-Seal Engineering, Inc.^(tm) is committed to providing high quality heated dispense hoses on time! Our Modular Manufacturing Techniques allow us to deliver hoses, custom-made to your specifications, without waiting weeks or months for your order. When you purchase a Haz-Flex Heated Hose from Atmo-Seal, you know it has been designed to be both tough and Class & Division compliant.



Class 1 Division 1 Hose, note the NEC Compliant End Seal

Classified Location Heated Hose

- 120 or 240 VAC operation, depending on Media and requirements
- Choice of Self limiting or Internal Variable Thermostat control
- Choice of Teflon, Stainless Steel or other Inside wetted tubes, Braided for High Pressure as needed
- Super-flexible design, low Outsider Diameter
- 1/4" to 4" Diameter hoses available
- Optional Exteriors to match your needs and operational environments
- Lengths from One to Two-Hundred-Plus feet

HCZ Hose - Suited for Class 1 Div One Group CD

HLZ Hose - Suited for Class 1 Div 2 Group

HRZ Hose - Suited for Class 2 Div 2

Safe, Tough Heated Hose

Not all heated hose companies out there are fully knowledgeable or capable of producing a true Hazardous Location Heated Hose. Heater types, environmental conditions, related components and even the media in and around the heated hose affect it's design and rating. We know, our staff has been designing heated hoses for almost 20 years.

At Atmo-Seal, Inc., we know the complexities of designing a true, Classified Location Heated Hose. Our hoses are fully compliant with the National Electric Code and the CSA Standards. Components are certified by nationally recognized underwriters where applicable. Each hose may come with an individual certificate of compliance, if needed.

Our hoses are thin, flexible and suited for all of your dispense needs, and they carry an 18 month limited warranty, too.

Options

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Enduro-Flex Dispense Hose Part Number Guide

Hose Type	Hose Length	Sample Tube Mat'l	Nominal Inside Diameter	Configuration Code
BHH TDH HWX HDH HCZ BHF FDH HPH HCP	Specify in Inches	T PTFE Teflon S - Stainless Steel V-Viton R-Buna S- Silicone C - Copper CS - Corrug. SS	X/2 1/8" X/3 3/16" X/4 1/4" X/5 5/16" X/6 3/8" X/7 7/16" X/8 1/2" <small>Sized in 1/16" Increments To 24" dia</small>	See below

- BHH-Series Hoses** - Used for most standard dispense applications. Hot Melt, Plastics, Adhesives & Sealers.
- TDH-Series Hoses** - Tar and Sealant dispense on mobil patching equipment and sealer systems.
- HWX-Series Hoses** - Hot wax, molding, candle and low melt products.
- HDH-Series Hoses** - Loading docs/oil platforms, rough service conditions, petrochemicals, potable water.
- HCZ-Series Hoses** - XP and Classified Conditions, C1D1, C1D2, C2D2, Class X Purge, etc., (see sheet)
- BHF-Series Hoses** - FDA Approved for viscosity control and dispense
- FDH-Series Hoses** - Pharmaceutical products
- HPH-Series Hoses** - Dual and Single core hoses for Polyurethane and Spray Foam
- HCP-Series Hoses** - Robotics and extreme & rapid flexing

Configuration Code - The configuration code at the end of our part number(s) refer to your individual design criteria. Information covered in the Configuration Code may include thermocouple or RTD type, exterior hose sleeve and environmental conditions; operation voltage, etc. The Configuration Code also covers common options such as pressure, Over-Temperature Protection, R.F. Shielded Thermocouple Wire, Messenger Wires for remote control of

Example Part Number: IGH-240-T-6/5-D53 = BHH Series Hose, **240** (inches or 20 ft) long, **T** for Teflon Core; **X/6** for 3/8" ID, Config Code (**D53**) denotes K-Type thermocouples, 450 f operation, 120 VAC, 300 PSI

Of course, we will customize our products to your exact specifications.

Common Options

Re-Tube: Replaceable Sample Tube. This feature allows the easy removal and replacement of the sample tube. (Re-Tube kits are available from the factory. Low Pressure Hoses only for this option.)

Over-Temperature Protection: Built in thermal switch(es) which will open if the hose exceeds its maximum operational temperature. Switch(es) will close again once the hose has cooled down to a safe range.

Exteriors: Atmo-Seal. Inc., offers a variety of exterior sleeves to suit your application and environment. We offer exteriors that are chemical and oil resistant; suited for outdoor use or hazardous locations; lightweight and flexible; extremely high-temperature for direct splatter of molten metals; construction that meets FDA requirements; silicone-free designs for paint, etc. Please contact the factory for more information.

Messenger Wires: Feed through signal and/or heater wires to allow for controlling solenoids, heaters, temperature monitors, etc., via internal cables built into your hose.