

# Viscon® HF

## High Flow Fluid Heaters

### Improved production times

- Spiral passages provide three times the flow rate of existing Viscon heaters and increase the internal heated contact area
- Speeds preheating times for highly viscous materials – gets the job started faster

### Customizable to your application needs

- Available in manual thermostat or externally controlled versions
- “Set and forget” digital temperature maintenance when used with external controls
- Inlet can be positioned to face front, back, sides or bottom of the unit
- Outlet can be positioned on left or right side of the unit
- Viscon HF can be mounted anywhere a Viscon HP currently fits, making it backwards compatible



Externally Controlled  
Viscon HF Heater.  
Non-explosive Atmosphere heater shown.



Complete Viscon HF Heater  
with Manual Thermostat Control.  
Explosive Atmosphere heater shown.

### Excellent for high solids coatings

- Improves flow and reduces pressure drop
- Ideal for protective coating materials

### Efficient and powerful

- Supports high production rates
- Fast warming cycle improves uptime
- 5400 watts of power

## Heater maintenance has never been this easy

Because the Viscon HF is designed for easy cleaning, you can clear plugs and perform maintenance in-house – no need for service calls. The Viscon HF is easy to disassemble and has replaceable heat rods as well.



## APPLICATIONS

- Fireproofing
- Marine and offshore corrosion protection
- Wind tower manufacturing
- Railcar manufacturing and repair
- Container manufacturing
- Structural steel coatings
- Tank and pipe coatings and linings
- Floor coatings
- Processing plants

## MATERIALS

- High solids coatings
- Epoxy primers and coatings
- Epoxy intumescent coatings
- Urethane coatings
- Waterborne coatings
- Adhesives and sealants
- Paints and stains
- Lubricants
- Fireproofing

## TECHNICAL SPECIFICATIONS

Maximum fluid working pressure	7250 psi (500 bar, 50 MPa)
Energy consumption	.5400 Watts (240 V, 1-ph)
Fluid passage heat transfer area	.210 in <sup>2</sup> (1355 cm <sup>2</sup> )
Fluid passage dimensions (3 parallel paths)	Height: 0.41 in (10 mm) Width: 0.32 in (8 mm) Length: 3 x 48 in (8 x 122 cm)
Fluid connections	3/4 npt (f) with adapters down to 1/2 npt (m)
Fluid passage equivalent diameter	.072 in (18 mm)
Thermometer range (Models 24P016 and 24W248)	64 – 250°F (18 - 121°C)
Wetted parts	Stainless Steel, Anodized Aluminum, Electroless Nickel-Plated Steel, PTFE
Temperature operating range	.84 - 219°F (29 - 104°C)
Weight (Non-explosive atmosphere heaters)	51 lb (23 kg)
Weight (Explosive atmosphere heaters)	.70 lb (32 kg)
RTD (Models 262853 and 24W612)	1000 ohm, class B, 3-wire Connector: M8, 4-pin male
Instruction manual	3A2954

## ORDERING INFORMATION

### Series C

Thermostat controlled heaters. 240 VAC 1-ph, 5400 watts, 22.5 amps. Includes manual thermostat, over temperature cutout switch, temperature gauge and pilot light. Requires only a power source.

- 24P016** Viscon HF, thermostat controlled for non-explosive atmosphere locations  
**24W248** Viscon HF, thermostat controlled for explosive atmosphere locations

Externally controlled heaters. 240 VAC 1-ph, 5400 watts, 22.5 amps. Works with your digital control or some Graco products with embedded control. Includes outlet manifold, over temperature outlet switch, 1000-ohm RTD sensor and pilot light. Requires power source, external controller and power switching.

- 262853** Viscon HF, externally controlled for non-explosive atmosphere locations  
**24W612** Viscon HF, externally controlled for explosive atmosphere locations



# DispenseRite

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