



# InvisiPac™

Tank-Free™ Hot Melt Delivery System



## Innovative hot melt equipment solutions for the packaging industry

- Quick start-up – ready in less than 10 minutes, eliminating costly downtime
- Tank-Free – adhesive supplied and melted to meet your application's demand means less adhesive time at high temperature
- Less adhesive time at high temperature means less char and less material degradation
- Less char results in reduced nozzle plugging, less system maintenance and more uptime
- Great performance, even with low-cost adhesives

PROVEN QUALITY. LEADING TECHNOLOGY.

# InvisiPac. So reliable, you'll forget it's even there.

## Engineered for quick startup, less char and improved uptime

Keep your packaging line up and running with the Graco InvisiPac Tank-Free Hot Melt Delivery System. Say good-bye to daily maintenance due to char. No more char-filled hoses. No more tank scraping. No more wasted time waiting for your hot melt tank to heat up. With the Graco InvisiPac, you're up to operating temperature and running production in less than 10 minutes.

Because it's engineered with a Tank-Free design, adhesive spends less time at high temperature, significantly reducing char and its negative side effects. You get great performance – even from low cost adhesives.

### How it works

Graco's InvisiPac uses an integrated vacuum system to feed adhesive pellets to an in-line melt chamber. A sensor monitors adhesive in the chamber, and additional pellets are automatically added as needed based on the demand of your application. With its efficient heat transfer design, the InvisiPac System has adhesive throughput capability equivalent to or better than many hot melt tank systems. The result? You get a continuous flow of adhesive during production that significantly reduces the time adhesive sits at temperature. Less time at high temperature means less char, less maintenance and more uptime.

### Reduce downtime due to plugged nozzles

With the InvisiPac Plug-Free™ Hot Melt Adhesive Applicator, you'll experience a new era in hassle-free operation with improved uptime. With its innovative free-flow manifold design and integrated applicator filtering – together with the InvisiPac System – you can eliminate nozzle plugs. You'll finally have a hot melt system that runs reliably, unnoticed and invisible.

### Solenoid

- Graco-engineered for optimal control
- Designed to withstand high speed, high temperature operation

### Factory Set Spring

- Factory set spring works across all pneumatic and fluid pressure ranges – no need for field adjustment

### Module Filter

- Design protects ball and seat from debris and char
- Eliminates nozzle plugging when used with InvisiPac System

### Manifold

- Manifold filter traps debris and char so it's removed when you replace the filter
- Manifold filter is included in a heated zone, eliminating cold spots and ensuring consistent adhesive application
- Reaches operating temperature in less than 10 minutes



### Free-Flow Path

- Designed to eliminate dead zones where char will build up

### Pump

- Graco two-ball design leverages 85 years of fluid handling expertise
- Exposing the NXT® Air Motor reduces operating temperatures and extends air motor life

### Intuitive User Interface

- Graphics and text make operation simple
- Easy troubleshooting – points you to the root of the problem
- Single screen view of all heat zone temperatures
- Tracks adhesive consumption
- USB downloadable operating data, errors and event history

### Auto Vacuum Feed

- Automatically keeps adhesive at optimum levels
- Saves labor costs by automatically pulling adhesive from a drum or bulk container
- Keeps paper dust and debris out
- Promotes improved hygiene and consistent bead weights by eliminating thermal shock

### In-line Melt Chamber

- Tank-Free design
- Melts adhesive to meet your application demand
- Reduces char and improves uptime
- Reaches operating temperature in less than 10 minutes

### Heated Hoses

- Superior hose construction buffers heat, virtually eliminating char build up



System and Applicator Patents Pending

Find out what the Graco InvisiPac System can do for your packaging ROI.  
800-458-2133 • [InvisiPac@graco.com](mailto:InvisiPac@graco.com)

# A Network of Support for the Packaging Industry

## Worldwide Support

With infrastructure throughout the world, your company will benefit from Graco's knowledgeable, global network of professionals.

## Proven track record

Graco has close working relationships with many of the world's leading equipment manufacturers and adhesive suppliers. With Graco, you can expect responsive service and support, as well as the accuracy and reliability you demand from your manufacturing equipment.

## Global distribution

With a global distribution network, you can count on quick turnaround times for replacement parts and service. With Graco's authorized distributors, you have access to experts who understand the unique needs of your business.



## Technical Specifications

### InvisiPac HM25 Tank-Free Hot Melt Delivery System

Electrical Service	200-240 Vac, 1-ph or 3-ph, 50/60 Hz 200-240 Vac, 1-ph, w/ N, 50/60 Hz 400/230 Vac, 3-ph, w/ N, 50/60 Hz
Time to Temperature	Less than 10 minutes*
Melt Rate / Constant Throughput	25 lb/hr (11.3 kg/hr)
Pump	Pneumatic Piston, 12:1
Operating Pneumatic Pressure Range	20-100 psi / 1.4-7 bar / 0.14-0.69 MPa
Operating Fluid Pressure Range	240-1200 psi / 16-83 bar / 1.6-8 MPa
Control Temperature Range	38-204°C (100-400°F)
Ambient Temperature Range	0-50°C (32-122°F)
Channels	Up to 4
Maximum Gun Wattage Per Channel	400 W
Input Capability	4 inputs (0-30Vdc)
Output Capability	4 outputs (240Vac, 24Vdc, 2A)
Machine Weight	85 lb (34 kg)
Machine Dimensions (WxHxD)	20.7 x 38.4 x 16.9 in (526 mm x 975 mm x 429 mm)
Glue shape	Pellets
Maximum Vacuum Transfer Hose Length (horizontal x vertical)	30 ft (9.1 m) 20 ft x 10 ft (6.1 m x 3.0 m)
Vacuum Operating Pneumatic Pressure Range	40-80 psi / 2.8-5.5 bar / 0.28-0.55 MPa
Vacuum Air Consumption at 40 psi	9.5 scfm (intermittent duty; 4% @ 25 lb/hr)
Vacuum Air Consumption at 80 psi	17.2 scfm (intermittent duty; 4% @ 25 lb/hr)
Approvals and Standards	UL499, CSA88, CE, ISO 9001

### InvisiPac GS35 Plug-Free Hot Melt Adhesive Applicator

Description	Air Open / Spring Close, Ball and Seat
Speed	Greater than 3,500 cycles/min
Time to Temperature	Less than 10 minutes*
Maximum Working Fluid Pressure	1500 psi / 103 bar / 10.3 MPa
Operating Pneumatic Pressure Range	40-80 psi / 2.8-5.5 bar / 0.28-0.55 MPa
Maximum Operating Temperature	204°C (400°F)
Ambient Temperature Range	0-50°C (32-122°F)
Solenoid Valve	24 Vdc or 110 Vac
	Graco engineered, factory installed
Electrical Service	200-240 Vac, 50/60 Hz, 400 W
Approvals and Standards	UL499, CSA88, CE, ISO 9001

\* From 21°C to 177°C (70°F to 350°F), dependant upon power supply and machine configuration

For detailed dimensions and configurations, see insert 348843 or instruction manuals 3A2347 and 3A2805 available on [www.graco.com](http://www.graco.com)

**GRACO. BRINGING 85 YEARS OF INNOVATIVE FLUID HANDLING IDEAS TO THE PACKAGING INDUSTRY.**

## Contact us today!

For more information, e-mail [InvisiPac@graco.com](mailto:InvisiPac@graco.com), call 800-458-2133 or visit us online at [www.graco.com/InvisiPac](http://www.graco.com/InvisiPac).

