

HENNES-JOHNSON

EQUIPMENT COMPANY



800-249-1349

www.hennes-johnson.com

Modern roof systems that specify cold process asphalt and elastomeric coatings are at the cutting edge of today's trend toward an improved global environment. Building owners, government leaders, and environmentally conscious consumers are focused on reducing our carbon footprint with the help of these highly sustainable, energy saving, and environmentally friendly systems.

Complying with standards now set by Federal and State environmental agencies, material manufacturers have developed a new generation of coatings and adhesives formulated with reduced amounts of the volatile organic compounds believed linked to low-level smog and ozone depletion. These ultra high solids and VOC compliant materials demand a much higher level of efficiency from the spray equipment used for their proper application.

Meeting the challenges of today's new roof coating and modified adhesive spray market is what we do at Hennes-Johnson. We are 100% committed to provide the professional roofing contractor with the highest quality spray equipment at an affordable price and back it with customer service and product knowledge that is next to none.

Call 1-800-249-1349 to locate the Hennes-Johnson Dealer and Roofing Equipment Spray Specialist nearest you. Also please visit our website at www.hennes-johnson.com.

HENNES-JOHNSON
EQUIPMENT COMPANY

1 (800) 249-1349 phone
(952) 873-4117 fax
www.Hennes-Johnson.com

The Importance of Direct Immersion?

A **Direct Immersion (or D.I.)** sprayer is engineered to allow the pump inlet to be submerged directly into the material reservoir so that inbound fluid travel to the pump is at the shortest distance possible. This design advantage yields maximum pump draw potential and provides the spray system with the ability to obtain 100% efficiency when applying today's high solid / low solvent formulated roof adhesives and coatings.

To further explain the importance of **direct immersion**, ask yourself this question; When was the last time you saw house paint displayed at a roofing convention trade show? There's a good chance your answer was "never", so then why would anyone consider a machine designed for spraying paint to also be a good machine for spraying high viscosity roof coatings or cutback asphalt products formulated with fibers and thick fillers. The short answer is that they are clearly never the best choice because a sprayer with features designed to benefit a painting contractor can quickly become a nightmare for the professional roofing contractor applying products formulated specifically for his trade.

One example of a feature common to commercial sprayers designed for paint application is the pump inlet siphon hose. This assembly consists of a long flexible hose and a rigid inlet tube with screen that is dropped into the paint pail and through the action of fluid displacement (siphoning) feeds the pump with paint to be sprayed. (If you've ever transferred a liquid from one container to another using a short hose and the power of your lungs to start the siphoning action, you've witnessed firsthand the force of (or lack of it) fluid displacement). Now imagine the difficulties added by attempting to draw a much thicker elastomeric coating or a heavily fibered asphalt adhesive using the same low level fluid displacement action. The difference is significant and the lack of efficiency caused by the use of a siphon hose assembly results in a "starved" pump that quickly responds with spurting, voids at the tip, pulsing spray fans, and frequent loss of prime.

Direct Immersion pumps eliminate the siphon assembly and allow the system to reach full performance potential. As a result, you can expect to use longer lengths of hose, benefit fully from a precise spray fan at the tip, and struggle with less operating and maintenance issues when using a **Hennes-Johnson** sprayer built with direct immersion design features.

Want to know more? For all your cold process spray needs, call Hennes-Johnson Equipment at 800-249-1349 to locate the highly professional and experienced Hennes-Johnson dealer nearest you.

Hennes-Johnson - 4520 Cold Process

The **Model 4520** Cold Process sprayer from Hennes-Johnson represents the roofing industry standard for the airless application of modified bitumen adhesives, straight cut-back asphalts, asphalt emulsions, and water and solvent based elastomeric coatings. Rated **4500 psi** at **5 gpm** and powered by **Honda's 630 cc** (20hp) engine, the 4520 stands ready to conquer the challenges of your toughest spray application needs.

Viscount II Hydraulic Motor

- > Reciprocating anti-stall design
- > Proven and reliable component life

Direct Immersion Lift Tower

- > Maximizes draw potential.
- > Hydraulic powered
- > Positive lock

Dashboard Controls

- > Operator friendly
- > Fluid pressure gauge



Xtreme Pump

- > 4500 psi @ 5gpm
- > Field serviceable with minimum tool requirements

Honda 630cc Engine

- > Electric Start
- > Low oil engine shut-down
- > Six gallon fuel cell

Auxiliary Hydraulic Pressure Port

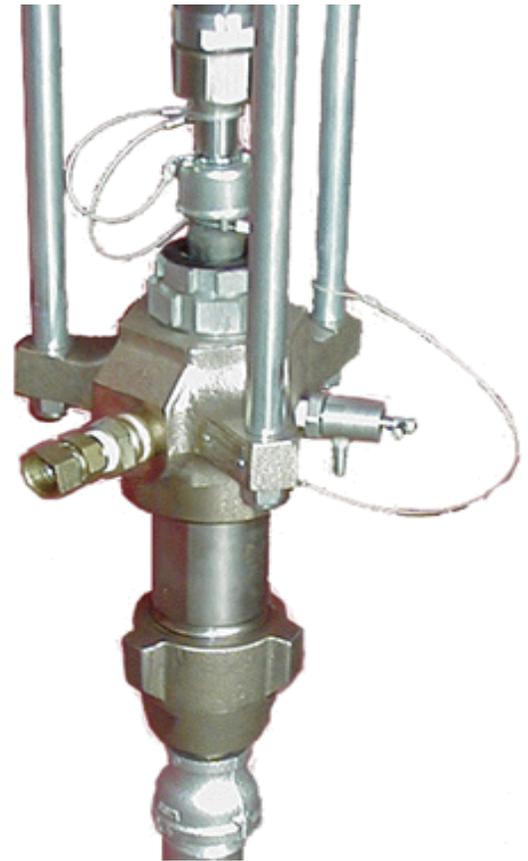
- > Power hydraulic hose reels, mixers, and transfer pumps.
- > Quick connect couplings.



4520 Xtreme Advantage Displacement Pump

Downtime from fluid contamination entering the displacement pump costs you time and money. In the past, the pump had to be removed from the sprayer and brought to a mechanic shop where it was further disassembled, cleaned, repaired, sent back to the job site, re-installed onto the sprayer and then put back into service.

*With the innovative **XTREME DISPLACEMENT PUMP** featured on the **Model 4520**, average downtime is reduced to a minimum. The advanced design pump configuration allows the operator to disassemble, service, reassemble, and return to production without having to remove the pump from the sprayer. All this in minutes instead of hours and with only a few common hand tools.*



Technical Data

- > **HJ4520X** - part number bare.
- > **HJ4520X-861** - part number complete with 215' hose and pole gun package.
- > 630 cc Honda electric start, gasoline engine with low oil shut-down.
- > Fuel tank capacity - 6 gallons
- > Production - 1 gun to .099, 2guns to .051
3 guns to .027.
- > Fluid pump rating - 4,500psi @ 5gpm
- > In-line heater ready with 12v quick coupler.
- > Shipping weight - 960lbs bare , 1,250lbs complete package. NMFC class 85.
- > Shipping dimensions L72" x W42 x H70.

Hennes-Johnson - 4520A Cold Process

(With Built-In Material Heater)

Spray grade modified bitumens and cut-back asphalts respond favorably to temperature increase. The viscosity of the fluid becomes more efficient and allows it to be delivered through longer lengths of hose and with greater effectiveness at the point of airless atomization. The Hennes-Johnson **Model 4520A** with built-in heater provides a steady 20 - 25 degree boost in fluid temperature giving you peak performance from a single component package. The 4520A with built-in heater includes all of the standard features found on the Hennes-Johnson model 4520 including the rugged 630cc Honda engine and Xtreme pump system combination.

Standard Features

- > Operator friendly dashboard controls.
- > 120V, 2000 watt pre-warmer for instant warm material at start-up.
- > Viscount II anti-stall hydraulic motor
- > Hydraulic auxiliary power port for reel, mixer, and transfer pump operation.
- > 12V coupler for adding in-line heater component when applicable.

4520A Technical Data

- > **HJ4520A** - part number - bare
- > **HJ4520A-861** - part number complete with 215' hose and gun package.
- > Fluid pump rating - **4,500psi @ 5gpm**
- > 630 cc Honda electric start, gasoline engine with low oil shut-down.
- > Fuel tank capacity - 6 gallons
- > Production - 1 gun to .099, 2guns to .051, 3 guns to .031.
- > Shipping weight - 1,060lbs bare, 1,350lbs complete package.
- > Shipping dimensions L72" x W42 x H70.



“Demand the Best” Ask for Hennes-Johnson.

Hennes-Johnson - 5320 & 7220 Silicone

Single component silicone coatings polymerize through chemical reaction when exposed to air born moisture and when spray applied correctly result in a quick setting, monolithic film that is extremely durable yet has the flexibility and forgiveness to overcome irregular and uneven surfaces. Airless spray application of these cutting edge coatings require that precise product handling and strict equipment specifications be followed to insure proper installation. The **Hennes-Johnson Models 5320 and 7220** silicone sprayers exceed the demanding specifications required for silicone application and assure you the quickest turn-around time on your equipment investment.



Standard Features

- > 630cc electric start Honda gasoline engine with low-oil shutdown.
- > Viscount II anti-stall hydraulic motor.
- > Auxiliary power port for hydraulic mixer and reel operation.
- > 4 point lifting eyes for safe hoisting.
- > 12Volt in-line heater supply port.

Technical Data

- > **HJ5320X** - part number - bare.
- > Rated **5,000psi @ 3gpm**.
- > **HJ5320X-531** - part number with 100' 3/4" nylon lined hose, 50' 1/2" nylon lined hose, 10' nylon lined whip hose, trigger gun with 10" extension, and static arrest system.
- > **HJ7220X** - part number - bare.
- > Rated **6,900psi @ 2gpm**.
- > **HJ7220X-531** part number with 100' 3/4" nylon lined hose, 50' 1/2" nylon lined hose, 10' nylon lined whip hose, trigger gun with 10" extension and static arrest system.
- > Shipping weight bare 940lbs.
- > Shipping dimensions L72 x W42" x H70".

Hennes-Johnson - 11520 Emulsion

Cold applied asphalt emulsions complement many of today's advanced low-slope roofing practices and to help you capture the benefits of high volume roof application, Hennes-Johnson proudly offers the **Model 11520** for your consideration. Rated **1000psi @ 15gpm** these specialized emulsion rigs are designed for maximum production when the job calls for flood coating at rates of 5 to 8 gallons per square. The direct immersion fluid intake design results in a smooth and consistent spray fan maintaining your mil thickness rate to exacting specifications and the 11520's ultra high volume fluid pump allows you to capitalize on twin .099 tips when the job demands quick completion. Wether **coating polyester sheets, flood coating over gravel, or embedding chopped fiberglass fibers**, the Hennes-Johnson Model 11520 is the first choice among professional roofing contractors.



Standard Features

- > Proven reliable Viscount II hydraulic motor with anti-stall features.
- > Six gallon satellite fuel cell for safe refueling.
- > Hydraulic power port for mixer, reel or transfer pump support.
- > 12V quick connect for in-line heater support.

Technical Data

- > **HJ11520** - part number - bare.
- > **HJ11520-999** - part no. complete with 150' x 1" hose, 200' x 3/4" hose, 15' x 1/2" hose, HJ171A-999 pole gun.
- > Engine - 630cc GX630 Honda with Electric start and low oil alert.
- > Shipping weight - 1,010 bare, 1,353lbs with hose & gun package.
- > Shipping dimensions - L72 x W42 x H70"

“Built by those that know, sold by those that care, purchased by professionals that excel in their trade”.

Hennes-Johnson - 4413 Titan - Elastomeric Plus

For the widest range of roof coatings with uninterrupted performance, the **Hennes-Johnson 4413 Titan** is the professional roofing contractor's sprayer of choice. This high production, gas-hydraulic unit offers a perfect blend of pressure, production, and price for the accurate application of today's low solvent/high solids coatings and adhesives. Rated **4,000psi @ 4gpm** the 4413 Titan features Honda Motor's GX390 gas engine with pull start and low oil alert, direct immersion pump lift for reaching maximum pump draw potential and operator friendly controls that require only the push/pull of a lever to start, stop, and change drums.

Standard Features

- > Heat dissipating, 12 gallon hydraulic reservoir.
- > Powerful 13 hp Honda model GX390 gasoline engine with low oil alert.
- > 6.9 quart capacity gasoline tank allowing for approx. two hours between refills.
- > Efficient component accessibility for easy operation & maintenance.
- > Full 2" intake tube with large flow capacity inlet screen
- > Four point lifting eyes.
- > Positive valve lock configuration to prevent lift cylinder from creeping up.
- > 15 x 6 flotation tires for increased mobility.

Technical Data

- > **HJ4413 TITAN** - part number - bare
- > **HJ4413T-835** - part number-standard package -complete with 3/8 x 50' hose & coatings gun
- > **HJ4413P-861** - part number - Premium package- complete with 215' hose and HJ171A-861 mastic pole gun.
- > Rated **4000psi @ 4gpm**
- > Honda GX390 - pull start, gas engine.
- > Production - 1 tip to .061, 2 tips to .041 3 tips to .027.
- > Shipping weight - 750lbs
- > Shipping dimension - L72" x W42" x H60"



Hennes-Johnson - 3311 Multi-Task Series

Two distinctively different spray units with identical dynamic force hydraulic power packs offer the versatility and performance never before seen in an affordable on-deck sprayer.

3311 ProCoat

Pressure, horsepower, performance, and price has made the **Hennes-Johnson Model 3311 ProCoat** a favorite in its class. Designed for direct immersion into 5 gallon pails or from its on-board 12 gallon reservoir, this rugged performer is the ideal choice for elastomeric and asphalt based aluminum coating jobs. Rated **3600psi @ 3gpm**, the 3311 ProCoat package comes complete with 100' of ½" hose and 171D-831 coatings gun with 10" extension.



3311 ProBond

Experienced **EPDM** roofing crews make the most of their production days with the quick and easy spray application of bonding adhesive. The **3600psi @ 3gpm** rated pump comes complete with 25' of ½" certified grounded hose, 171G-1031 adhesive trigger gun and static arrest grounding kit. With one man filling and one man spraying, the front loading 12 gal. reservoir allows for non-stop application of EPDM bonding adhesive.

Technical Data

- > **HJ3311 PROCOAT** - part number with 100' x ½" hose & HJ171D-831 coatings gun.
- > **HJ3311 PROBOND** - part number with 25' x ½" grounded hose & HJ171G-1031 EPDM adhesive gun.
- > Rated **3600psi @ 3gpm**
- > 340cc pull start Honda gas engine.
- > 12 gal. direct immersion reservoir.
- > Shipping weight- 325lbs,
- > Shipping Dimensions - L59" x W34" x H44"



Hennes-Johnson - 3311 ProCaulk

When the job calls for the high production extrusion application of single component caulks or other highly viscous adhesives, the HJ3311 ProCaulk unit from Hennes-Johnson is unequalled in performance. This innovative self-contained hydraulic unit (exclusive to Hennes-Johnson) is designed to pump caulk from five gallon pails directly to the point of application with only one pull of the gun trigger. Rated **3900psi @ 2.5gpm**, the 3311 ProCaulk will step up your production to a new level of efficiency saving you time and money on each job.

Standard Features

- > GX 340cc (11hp) Honda pull start gas engine.
- > Priming piston caulk pump designed for high production crack filling and joint sealing.
- > Pail wiper for clean pail edges with no material waste.
- > Easy to use priming valve for quick starts after pail changeover.
- > Simple on/off pump control.
- > Heavy duty pail shelf.
- > Flotation tires for superior mobility.
- > Single point, center balance hoist eye.
- > External oil filter for easy maintenance.
- > Five gallon hydraulic reservoir.



Technical Data

- > **HJ3311 PROCAULK** - part number complete with 25' x 1/2" nylon lined hose and full-flow trigger gun with 42" extension (for standing upright while applying) and hose swivel.
- > Rated **3900psi @ 2.5gpm**.
- > Engine - Honda GX 340.
- > Shipping weight - 425lbs
- > Dimensions - L59" x W34" x H54".

“Quality you can depend on. Experience you can trust”.

Hennes-Johnson - 4206 & 4308 Elastomeric

If an entry level on-deck roof coating sprayer is what you're looking for without compromising performance, power, and dependability, the Hennes-Johnson models 4206 and 4308 deliver. These portable self-contained hydraulic units are ready to go where the job demands and feature our direct immersion technology that is proven to enhance spray performance. Weighing in at only 150lbs., two men can easily load and unload these units from truck or trailer, and the four hand grips also serve as lifting eyes for safe and balanced hoisting to the roof when needed. Pressure is controlled accurately from 400psi to 3600psi and is performed without the use of electronic controls which gives the pump longer expected life with less maintenance issues.

Standard Features

- > E-Z direct immersion frame allows for less spillage during pail changes and lowers the height of the unit for greater stability.
- > High efficiency cooling fan keeps the hydraulic system at the proper temp. for longer life.
- > Frame is chrome-plated for durability and easier clean-ups.
- > Comes with fluid filter for non-fibred coatings which can be easily removed. when spray applying fibred materials.
- > On-board hanger for organized hose storage.
- > High efficiency hydraulic motor with 3" power stroke for maximum packing life.



Technical Data

- > **HJ4206-831** - part number with 3/8" x 50' nylon hose with HJ171D-831 coatings gun, 10" extension, swivel and .031 tip with 16" fan width.
- > **HJ4308-831** - part number with 3/8" x 50' nylon hose with HJ171D-831 coatings gun, 10" extension, swivel and .031 tip with 16" fan width.
- > Rated - HJ4206 **3600psi @ 2.35gpm** - HJ4308 **3600psi @ 3.15gpm**.
- > Engines - HJ4206 **GX160** 160cc Honda, HJ4308 **GX270** 270cc Honda
- > Shipping weight - HJ4206 188lbs, HJ4308 188lbs.
- > Dimensions - L42 x W32 x H36

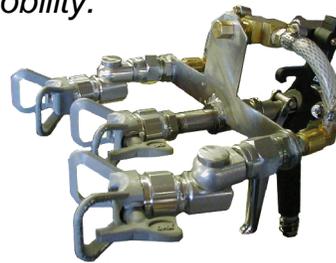
Hennes Johnson - AVM Co-Spray Assist

The Hennes-Johnson **AVM Co-Spray Assist** package is designed to support the spray application of **Air, Vapor, & Moisture** resistive barriers which are formulated to be dispensed in unison with a setting agent such as Calcium Nitrate, Calcium Chloride, or other quick set components. Once properly joined, these modified asphalt emulsions and quick set agents transform into a rapid-cure monolithic membrane that is extremely flexible and non-permeable. Operated in tandem with your ***existing emulsion pumping system** (see below for more information), the Hennes-Johnson AVM Co-Spray Assist package allows you to enter the waterproofing and roofing industry's newest and most innovative market with the least amount of capital investment.



Standard Features

- > Twin hose, high pressure reel with bevel gear crank rewind is designed to carry 200' of emulsion and setting agent hoses. A polyester scuff sleeve joins the hoses and are available in 50' sections.
- > 12V, 250psi setting agent pump with built-in regulator and gauge.
- > 30 gallon setting agent tank.
- > 4 point lifting eyes for safe hoisting.
- > Easily mounts to any standard 4 wheel insulation cart for greatest mobility.



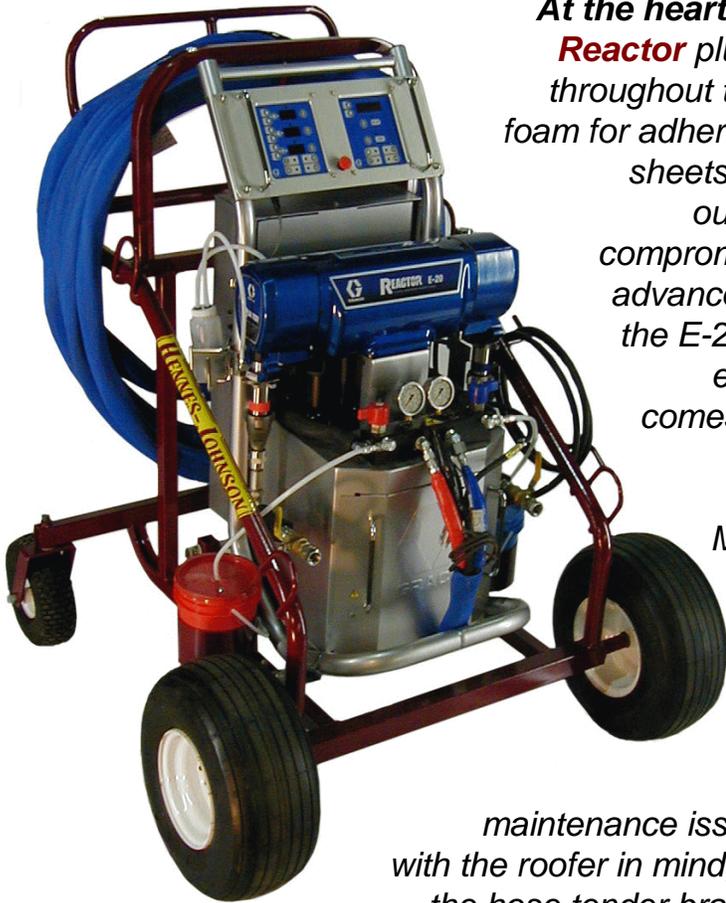
Tri-tip Co-Spray Gun

Exclusive to the AVM Co-Spray Assist package is our Tri-tip spray gun featuring adjustable setting agent RAC nozzles for fine-tuning the spray fan for both contact distance to the emulsion stream and for centering the discharge so that no emulsion reaches the coating surface without having had contact with the activator.

***Emulsion pumping system.** A high pressure spray pump meeting the requirements of the AVM Barrier manufacturer must be used in conjunction with the Hennes-Johnson AVM Co-Spray Assist system to complete the entire spray package. Typical emulsion pump requirements are a minimum 2000psi @ 4gpm. Contact Hennes-Johnson for extended details regarding a complete AVM Barrier package

Hennes-Johnson E-20 Foam Boss - SPF Pkg.

Designed for maximum rooftop efficiency, the **E-20 Foam Boss** delivers the ruggedness and reliability you've come to expect from the name Hennes-Johnson. Our complete spray foam E-20 package properly matches select components creating a turn-key system that is ready to take on the challenges of today's spray foam roof top applications.



At the heart of the **Foam Boss Package** is the **Graco E-20 Reactor** plural component proportioning pump. A standard throughout the roofing industry for the application of low rise foam for adhering fleeceback EPDM membrane and insulation sheets to metal decks, the E-20 is rated for mid to high output applications and offers great value without compromising high performance. Equipped with Graco's advanced material data and system diagnostics center, the E-20 Reactor is simple to use, rugged, reliable, and easy to maintain. The standard E-20 Foam Boss comes with 100' of heated hose but will readily accept an additional 100' of hose when required.

Mounting the E-20 pump onto Hennes-Johnson's exclusive **E-20 Roof Buggy** brings mobility to a whole new level and allows the operator to easily transport the Foam Boss over uneven surfaces to areas that normally would require additional lengths of heated hose. This benefit saves you money on hose cost and reduces the maintenance issues associated with longer hose runs. Designed with the roofer in mind, four point lift eyes allow for secure hoisting and the hose tender bracket keeps things organized whether using 25' of hose or 100'. Quick Mount trailer mounting brackets can be installed onto any trailer deck for safe and secure hauling and allow the E-20 Roof Buggy to be detached in less than two minutes.



The E-20 Foam Boss package from Hennes-Johnson features the **Graco Air-Purge Fusion Gun**. This easy to use impingement mix gun is the standard of the roofing industry and is known for reliable performance with a minimum of maintenance. Stainless steel mix chambers are built to last and the air-blast tip reduces build-up and tip clogging. Daily service only takes seconds with Graco's "quick shot" advanced grease port technology.



E-20 Foam Boss Support Components

Material Transfer

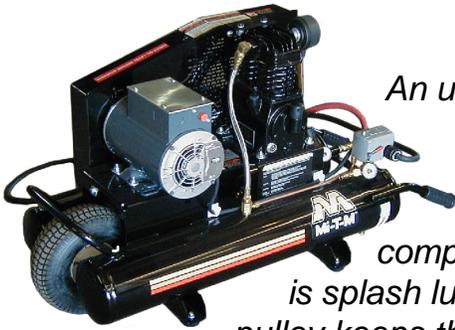
Engineered for best overall performance and greatest value, the E-20 Foam Boss's **T-1 Transfer Pump System** delivers the **2:1 output ratio** ideal for plural component spraying and bead extrusion applications. The enhanced flow fluid intake easily handles higher viscosity materials and the drum quick disconnect feature makes change-outs faster with less product exposure. The Foam Boss transfer pump system comes complete with two **50ft transfer hoses** for satellite positioning of the material drums, **air hose & control valve**, and a **desiccant dryer** for moisture reduction at the ISO drum.



Air Supply

An uninterrupted supply of clean, dry, air is essential for the correct application of plural component spray foam.

Hennes-Johnson offers the dependability and ruggedness of **MiTM Corporation's 2.0HP, 120V, single stage electric compressor**. The **8.4 cfm @ 100 psi** cast iron compressor pump is splash lubricated for extended hours of operation and the oversized fan pulley keeps the pump cool in almost any job site situation.



Electrical Supply

Tying all the major components together is the Foam Boss's **Winco 18000 "Big Dog" Generator** rated at 18,000 surge watts with 15,000 continuous watts and a 895cc (31HP), overhead cam, Vanguard gasoline engine. The 120/240 single phase generator features electric start, low oil alert, hour meter, single point lifting eye, and a 15 gallon fuel tank that allows for a normal day's work without refueling. Comes with a 50' 6awg extension cord.



Included with the E-20 Foam Boss complete package.....

- > E-20 Reactor, 230V, 1PH, with 6' 6ga service cord
- > AP Fusion air purge impingement gun
- > 100' x 3/8" heated SPF hose
- > 5252 mix chamber for AP gun
- > 2ea. 3/4" x 50' transfer hoses
- > 3/8" triple air manifold
- > Roof Buggy with hose rack and air regulator
- > T-1 ISO & Resin transfer pump kit
- > 10' x 1/4" heated whip hose
- > MiTM AM1-PE02-08M 2.0HP electric compressor
- > 50' x 3/8" air line and T-1 air line with control valve
- > Desiccant dryer for ISO drum

When it comes to equipment you depend on to make your living, no one regrets having bought the best".

Custom Built Spray Rigs - Cold Process Asphalt

Built with the needs of today's professional roofing contractor in mind, our custom built trailer packages are the ultimate in job site efficiency, reliability, and operator safety. Superior engineering and quality construction are evident at a glance with these high production turn key spray systems designed for year around peak performance.



Popular features for your rig.

- > 450 gal., 600 gal., or 1000 gal. permanent mount reservoir with positive floor slope.
- > 200,000 BTU mastic warmer with recirculating system for pre-warming reservoir.
- > Bulk tank mixer keeps product fresh at all times.
- > Power out & rewind hydraulic reel holds up to 500 ft. of 3/4" hose.
- > Stacking brackets allow 375 gal. tote placement on top of reservoir for gravity feed.
- > Wet and dry storage cabinets for component organization and soaking pole guns.
- > 50 gal. solvent flush tank for proper maintenance during cool weather applications.
- > High volume transfer pump for quick reservoir loading.

Call 800-249-1349 to start planning your custom rig today!

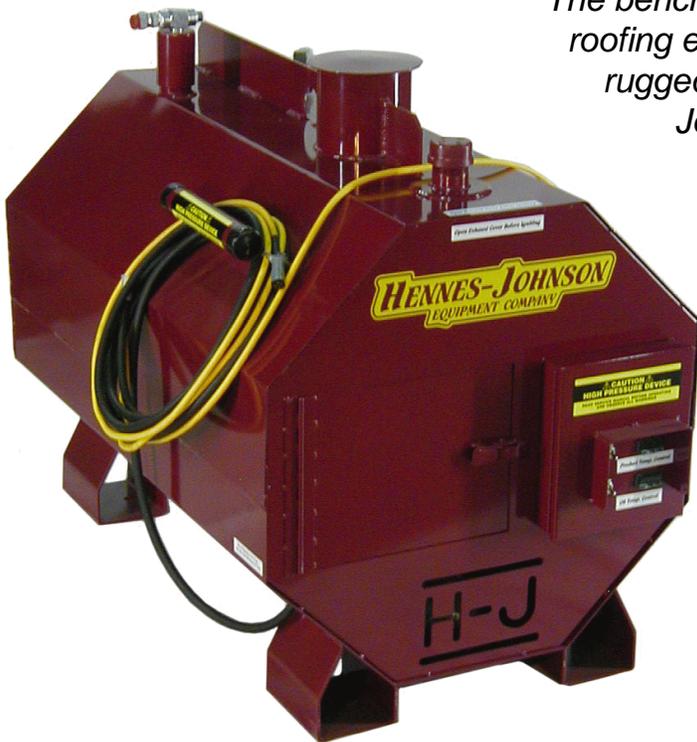


Hennes-Johnson 1000 Series - Material Warmers

The high solids, low solvent, formulations used in today's modified bitumen and cut-back asphalt adhesives are the cutting edge technology used to provide environmentally friendly yet superior quality cold process roof systems. Spraying these new hybrid formulas however present a serious challenge due to their increased viscosity level and enhanced adhesion characteristics. Gently warming these adhesives to a controllable and safe level counteracts the negative properties and allows the mastic to be sprayed effectively year round. Hennes-Johnson cold process warmers excel above all others in meeting these strict temperature demands.

1000-LP All Weather Mastic Warmer

The benchmark that all other cold process warmers in today's roofing equipment market strive to reach is the reliability and ruggedness of the **1000-LP Mastic Heater** from Hennes - Johnson. Engineered to overcome some of the most challenging temperature extremes, the 1000-LP features our ultra-clean burning **200,000 BTU** liquid (or vapor) withdrawal burner system with **12V auto-ignition** controls. Dual systems separately monitor and control the heat transfer oil bath and mastic temperatures giving you the most efficient and safe heat exchange possible.



Standard Features

- > Dual LED temperature gauges for instant monitoring at a glance.
- > 12V pilotless ignition
- > 600 degree heat transfer oil (included)
- > High density ceramic insulation
- > 15' x 3/4" id hose (pump to heater)
- > Kerosene burner avail. on request (HJ1000-D)

Wheel kit option shown.

Technical Data

- > Fuel source - Liquid withdrawal or vapor LP gas.
- > Burner rating - 200,000 BTU
- > Ignition source - 12V pilotless
- > Shipping weight - 975 lbs - Class 85
- > Shipping dimensions - L72" x W42" x H46"



1100-LP & 1100-D Jr Mastic Warmers

When mobility becomes a priority, the **1100-LP** (LP burner) and **1100-D** (diesel/kerosene burner) mastic warmers from Hennes-Johnson will hands down out perform all others in it's class. No one else in the industry puts this much power and performance into a warmer of this size.

Standard Features & Tech Data

- > 12V electronic ignition
- > Weather tight control box
- > Separate oil & mastic temperature controls
- > Burner ratings - LP 200,000 BTU
 - Diesel/Kerosene 125,000 BTU
- > Shipping weight - 950 lbs
- > Shipping dimensions - L46" x W40" x H44"



Notice: Although diesel/kerosene burners and LP burners are equally efficient in their heating abilities, greater consideration should be given to the cleaner burning LP burners when environmentally sensitive jobs are to be performed. Contact Hennes-Johnson Equipment at 800-249-1349 if you have any questions.

1000-E All Electric Mastic Warmer

The Hennes-Johnson **1000-E In-line Heating System** gently warms cold process materials without any exposure to an open LP or fuel oil flame. The elimination of the open flame combustion source makes the 1000E a logical choice for on deck heating of mastics in sensitive areas or when local ordinances restrict flame presence. At a fluid flow rate of 2.5 gallons per minute, the unit is designed to achieve a 20-25 degree rise in temperature from drum to warmer outlet.



Standard Features & Tech Data

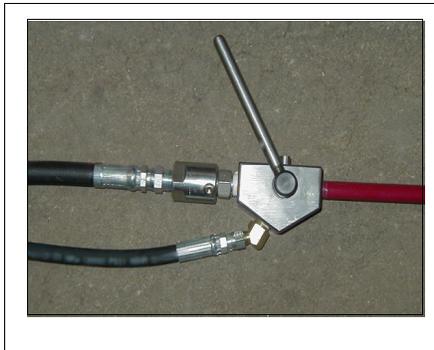
- > Twin - 120V, 20 Amp, 2000 Watt heating elements.
- > Heat transfer oil temperature gauge.
- > Center Point lifting eye
- > 600 degree heat transfer oil included
- > Shipping weight - 450 lbs
- > Shipping dimensions - L36" x W36" x H34"

RA124-015D & RA124-015T - Pre Warmers

All double ball displacement pumps, no matter what the size, ratio, or volume, generate the same amount of vacuum or draw. Cooler temperatures cause cold process materials to thicken and it becomes increasingly difficult for the pump to draw the colder static fluid into its intake. Suction efficiency is compromised and the pump responds with a lack in performance. The laws of physics cannot be changed, however pump efficiency can be restored by warming the cold process material back into a state of dynamic flow. The Hennes-Johnson RA124-015 Pre-Warmer gives your system the ability to redirect the flow of warm material from the in-line mastic warmer's outlet back to the drum or bulk tank from which it was drawn and in a short period of time will raise the material temperature to a point at which it becomes efficient again. Once the desired pre-temperature is reached, the fluid path is then directed to the delivery hose for spray application.



RA124-200D and RA124-200T



Spray applying temperature sensitive material in less than favorable conditions can be impossible due to normal stop and start application techniques. Inside the hose and at rest, fluid temperatures quickly drop due to the delivery hose lying on a cool roof. When allowed to drop below the recommended spray temperature, mastic will refuse to fan until a new volume of warm mastic from the in-line heater reaches the spray gun. Depending on hose length and size, as much as 10 to 15 gallons of mastic can become un-sprayable due to this temperature loss. By diverting the mastic back to the main reservoir through a secondary hose and by-pass valve assembly, the flow of warm mastic remains constant and will remain at the correct fluid temperature near the point of application to be used upon demand.

120V Electric Band and Blanket Heaters

For 55-gal drums, 5-gal pails and pallets of material, pre-warm your cold process materials with these high efficiency, electric heaters with thermostat control. Simply install the heat band or blanket onto the 55-gallon barrel, 5-gal metal pail or pallet of drums or pails, plug in to any 120 volt (20 amp) electrical receptacle, set the thermostat, and by morning you'll have warm material ready to be applied.

- HJ410** 5-gal. Pail Band Heater with Thermostat
- HJ410A** 55-gal Drum Band Heater with Thermostat
- HJ410B** Power Roller Band Heater with Thermostat
- HJ410C** 55-gal Drum Blanket Heater
- HJ410D** 48" x 48" x 36" Pallet Blanket Heater



Commercial Drum & Bulk Tank Mixers

HJ600E
(110 volt electric)



HJ600G
(2 cycle gas engine)



HJ600H
(Hydraulic)



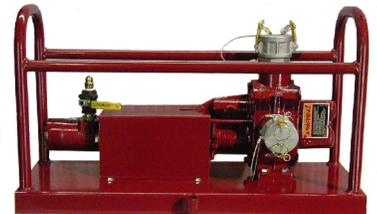
HJ610
(Pail mixer)



Cold process material manufacturers will eagerly share with you that uniform consistency of the product itself is essential to proper application, especially with materials such as aluminum coatings and modified adhesives. Hennes-Johnson commercial grade mixers offer a practical yet economical way to bring cold process materials back into their proper state of suspension originally intended by the coating manufacturer.

Bulk Material Transfer Pump

Designed to quickly refill reservoirs with mastic from 55 gallon drums or totes, the **Model 710 Transfer Pump** effectively delivers fluid at an astounding rate of 11 gallons per minute. That's less than 6 minutes to empty a 55 gallon drum and less than 35 minutes to empty an average size transportable bulk tank. Operated hydraulically from the 4520's auxiliary power port system, the 710 is built to stand up to the toughest of conditions and provide years of dependable service. Transfer Pump assembly includes 2" suction and discharge hoses with intake tube for 55 gallon drums.



700 Series - Hose Reels & Accessories

(HJ700HC reel shown)



Quality built reels from Hennes-Johnson save you time and money plus keep hoses organized and ready for use at a moment's notice. All reels are pressure rated at 4500psi and come to you complete with roller assemblies, pin lock, drag brake, and 3/4" x 15' supply hose. Reel capacity is 500' of 3/4" hp hose.

- HJ700H** - hydraulic rewind with manual backup
- HJ700M** - manual rewind - ring & pinion gears
- HJ700E** - 120V electric rewind with manual backup

- HJ700HC** - hydraulic rewind with transport cart
- HJ700MC** - manual rewind with transport cart
- HJ700EC** - electric rewind with transport cart.

1800 Series - Advanced Power Roller System

(For high production coating and bonding adhesive application).

Model 1804 (with on-board MiTM compressor)



Maximize profits and improve efficiency with the four-way Power Roller Advantage.

- 1). Eliminate waste with precise application accuracy.
- 2). Decrease labor costs by 5 to 1 over normal dip and roll methods.
- 3). Improve membrane bond with 100% even adhesive coverage.
- 4). Eliminate all over-spray on drift sensitive high profile jobs.

Standard Features

- > MiTM commercial compressor with GX120 Honda gas engine.
- > 20 gallon, low profile reservoir with lid and inspection port.
- > Two - 3/4" x 30' supply hoses and wands.
- > Two - Hennes-Johnson "Super Tough" 18" roller head assemblies.



18" roller assemblies shown

Technical Data

- > **HJ1804** - part no. with compressor & 2 - 18"
- > **HJ1802** - part no. with Co2 & 1 - 18"
- > Compressor, MiTM 4.4cfm @ 100psi single stage, air cooled
- > Reservoir, 20 gal. plus air reserve space
- > Engine - 118cc OHC Honda gas, pull start
- > Shipping weight - 450 lbs
- > Shipping dimensions - L72 x W42 x H42

Model 1802 Co2 with single 18" roller.



SPRAY ACCESSORIES & OPTIONS

Quick Change Displacement Pumps (All pump packages include connecting hardware).

QC5030.....	4900 psi,	2.8 gpm
QC4030.....	4000 psi,	3.0 gpm
QC3640.....	3600 psi,	3.8 gpm
QC2560.....	2400 psi,	6.0 gpm
QC2075.....	1800 psi,	7.5 gpm
QC1015.....	1000 psi,	15.0 gpm



Questions about which pump lower is right for a specific material or job application? Call Hennes-Johnson Equipment toll free at (800) 249-1349 for knowledgeable assistance.

Spray Guns



HJ171D-XXX Coatings gun
HJ171G-1031 Glue gun

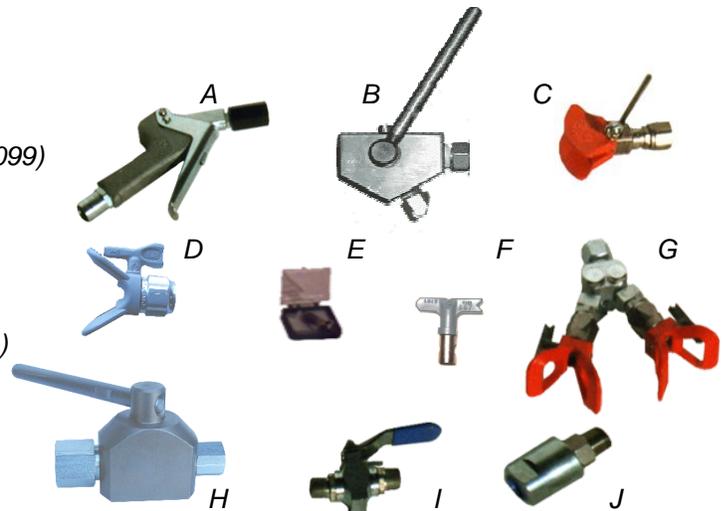
HJ171A-XXX 42" Trigger pole gun complete with tip.

HJ171B-XXX 42" Ball valve pole gun complete with tip.

HJ171-XXX Trigger gun

Replacement Tips & Control Valves

- A. **HJ174A** Trigger Assembly Control Valve
- B. **HJ174R** Recirculating Assembly Control Valve
- C. **HJ196** Spraying Systems Tip & Housing (.067 - .099)
- D. **HJ175** Graco Tip & Housing (.021 - .071)
- E. **HJ198** Spraying Systems Orifice (.067 - .099)
- F. **XHD XXX** Graco Tip Only (.021 - .071)
- G. **206-236-XXX** Dual Spray Nozzle
- H. **HJ174B** Pole Gun Ball Valve
- I. **HJ189** 3/8 in. Pressure Relief Valve (Bleed Valve)
- J. **HJ180** 1/2 in. Gun swivel



SERVICE & REPAIR KITS

Displacement Pump Packing Kits

(Kits include upper & lower balls)

Kit Number	Services
RK5030	HJ5030 pump, HJ5318 sprayer
RK4050	HJ4050 pump, HJ4518 - HJ4518A AM120 - AM120H sprayer, Graco 4030 Roof Rig - King 45:1
RK4050X	HJ4050X pump, HJ4518X - HJ4518XA HJ4520 Xtreme- HJ4520A Xtreme, Graco GH733 - King 45:1 Xtreme
RK3640	HJ3640 pump, HJ4518F sprayer
RK2560	HJ2560 pump, HJ2618 sprayer
RK2075	HJ2075 pump, HJ2718 sprayer
RK1015	HJ1015 pump, HJ11518 sprayer
RK3030	HJ3030 pump, Graco GH533, AM130 sprayer
RK2020	HJ2020 pump, HJ2206 sprayer, AM140 sprayer
RK4010	HJ4010 pump, HJ4106 sprayer, AM314 sprayer
RK3330	Graco GMAX 7900



Spray Gun Service Kits

RK171A	HJ171, HJ171A, HJ171C Long kit includes gun tube & stem valve
RK171S	HJ171, HJ171A, HJ171C seal kit with stem valve & seat



Hydraulic Motor Service Kits

RK217022 All Viscount II motors including
HJ models 4520, 4520A, 4518



HOSE, COUPLINGS, & FITTINGS

Your Safety - Our Concern!

Hose, couplings, and fittings used on all Hennes-Johnson high pressure spray equipment are engineered to meet or exceed all pressure, flow, and safety requirements. Alterations to the design by installation of non-approved, underrated, incorrect, or inferior components may cause severe personal injury, and/or loss of equipment performance. When replacing any high pressure component, call Hennes-Johnson toll free at (800) 249-1349 to obtain proper pressure, flow, material composition, and size requirements. We will be happy to give you the correct specifications with no obligation along with our competitive current pricing for your consideration.



1800 POWER ROLLER PARTS & ACCESSORIES

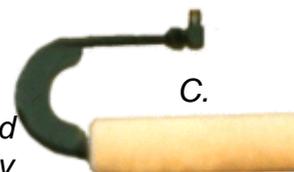
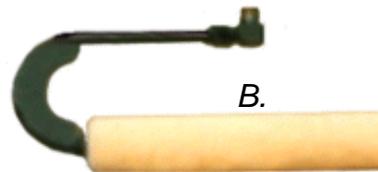
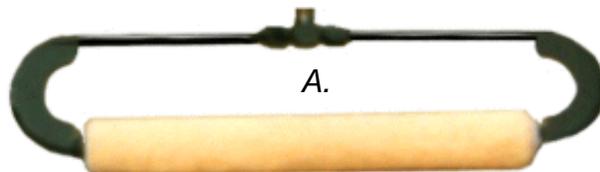
HJ325 WetStor Storage Box

Enhance your Power Roller system with Hennes-Johnson's exclusive WetStor Storage Box. Designed to mount directly to the front of every Hennes-Johnson Power Roller System, the WetStor Storage Box keeps roller assemblies fresh and ready to use all day and overnight. Simply pour in enough water to cover the roller naps and the total absence of air will prevent the adhesive from setting. Practical in design, the WetStor Box will pay for itself in saved roller covers on its first job.

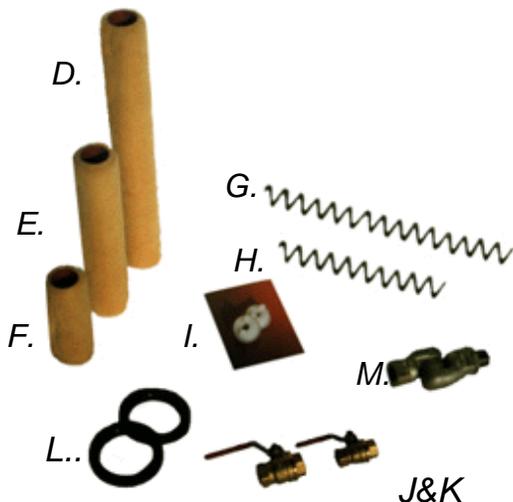


SUPER TOUGH ROLLER HEAD ASSEMBLIES

- A. **HJ312** 18 in. Roller Head Assembly
- B. **HJ311** 9 in. Roller Head Assembly
- C. **HJ311-6** 6 in. Roller Head Assembly



The efficiency of Hennes-Johnson's Advanced Power Roller system starts with our quality built roller head assemblies. Material (i.e. bonding adhesive, elastomeric coatings, aluminum coatings, etc.) travels through the reinforced frame to the interior of the perforated roller cover. When rolled across the roof deck, special end caps drive the internal auger and spread the material evenly across the interior wall. The material is then forced through the roller nap and onto the application surface. Rollers stay clean as any debris that is picked up falls off the cover as the material exits the assembly.



- D. **HJ313-18** 18" perforated roller cover
- E. **HJ313-9** 9" perforated roller cover
- F. **HJ313-6** 6" perforated roller cover
- G. **HJ334A** 18" Auger
- H. **HJ334** 9" Auger
- I. **HJ333** End Cap Driver
- J. **34pbv** 3/4" Ball Valve
- K. **12pbv** 1/2" Ball Valve
- L. **HJ317** Viton Closure Seal
- M. **HJ341** Dual Swivel

J&K

SAFETY GUIDELINES

Safety is a close partnership between the equipment manufacturer, equipment dealer, purchaser, and end user. Each has a responsibility that when combined results in the equipment's intended use without hazard to the operator or environment. Special attention is paid to safety in the design and manufacturing of all Hennes-Johnson equipment. Written instructions for the equipment's safe use and handling is provided to the purchaser at the time of delivery and should remain with the equipment and be legible at all times. It is the responsibility of the purchaser to see that all personnel who operate or come in contact with the equipment read and fully understand these safety instructions. It is the responsibility of the operator to follow these safety practices to avoid injury, destruction of property, or harm to the environment resulting from the improper use or handling of the equipment. If at any time or for any reason a Hennes-Johnson product is in need of warning decals or written safety instructions call toll free (800) 249-1349 and a set will be provided at no charge.

WARNING! Misuse of this equipment may result in damage, injury, or death.

Personnel not fully trained in the safe use of the equipment are strictly prohibited from use .

Warning decals and operating instructions should be kept clear and legible at all times.

Always operate this and all other construction equipment within OSHA regulations including the use of a perimeter warning system.

FREIGHT POLICY

1. All orders are shipped EXW Belle Plaine, MN (ExWorks - title and risk pass to buyer including payment of all transportation and insurance costs from the seller's door). Customers with an open account in good standing may have their shipment charges prepaid and added to the billing invoice.
2. Hennes-Johnson Equipment Company will securely package, box, or crate goods in a manner suitable for the method of transportation. It is the responsibility of the carrier to deliver the merchandise in the same good condition. We are not responsible for freight loss, damage, or delays in transit time.

WARRANTY POLICY

Hennes-Johnson Equipment Company warrants each product that we manufacture to be free of defective material and workmanship for a period of one year from the date of delivery. This warranty does not cover components such as engines, tires, hoses, etc., not manufactured by Hennes-Johnson but are covered by separate warranties of the respective manufacturers. Warranty does not apply to normally accepted wear items such as pump packings, spray tips, batteries, closure seals, etc.

Hennes-Johnson Equipment Company manufactures products for a specific purpose. Any alterations made to the equipment voids the warranty unless repaired and returned to the manufacturers original specifications. A detailed warranty statement is included with all owner / operator's manuals. A copy may be obtained by calling (800) 249-1349.