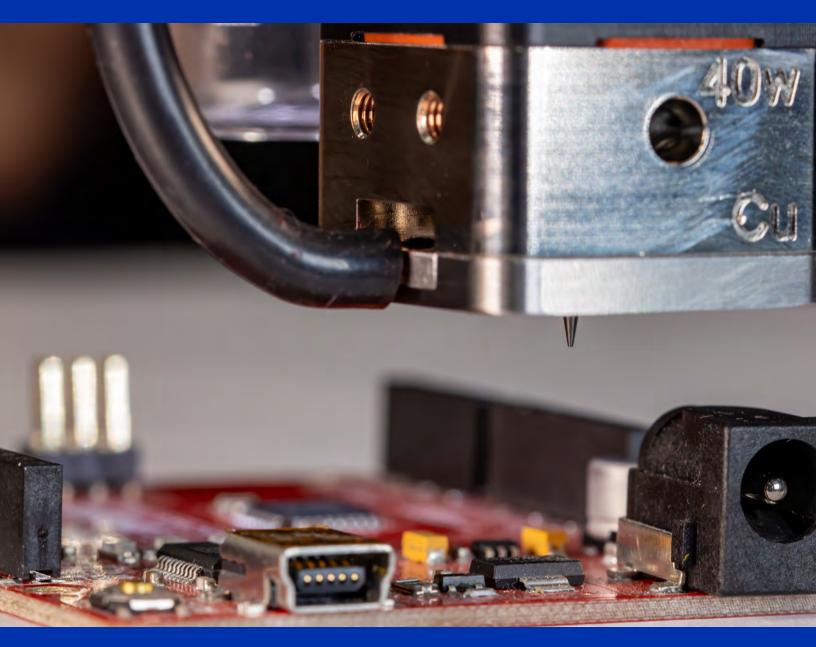


Advanjet[®] Jet Valve

Microdispensing Non-contact Jet Valve System



PROVEN QUALITY. LEADING TECHNOLOGY.

Easy to Clean. Outstanding Performance.

Microdispensing, non-contact jet valves designed to deliver high-process accuracy and flexibility in a variety of applications. What separates our technology from other non-contact jets is the seamless and simple patented design.



Multiple Feed Tubes Available

 Ability to easily switch between metal and rubber tube options depending on material required

Improved Nozzle Plate Offering

- New nozzle plates eliminate consumable o-rings
- Rubber o-rings replaced with built in metal diaphragm o-rings

HV-2000b back shown

Applications and Control Solutions

Markets & Applications



Electronics



Battery



Automotive



General Industry

Materials

- Adhesives
- Silicones
- Anaerobics
- Epoxies
- Silver Epoxies
- UV Cure Adhesives
- Oils/Greases
- Fluxes
- Hot Melt/PUR

Applications

- Underfill
- Micro-Encapsulation
- Bonding
- Sealing
- Chip Attach



Accessory Information

Diaphragms

The diaphragm is the heart of jetting technology. Diaphragms are offered in the three different materials listed below. Contact our application experts for specific recommendations on which diaphragm is best for your application.

Available in FKM, Silicone, and FFKM in 1.6 mm or 3 mm.





Nozzles

Standard Flat Nozzles

Graco Advanjet nozzle sizes range from $50-700 \ \mu m$ and are offered in tungsten carbide or high wear-resistant ceramic. Each single-piece nozzle has been custom designed and precision manufactured to provide the repeatability and performance you expect from Graco.

Extended Tip Nozzles

Many applications require jetting in tight spaces, vias, or cavities. Our nozzles with extended tips allow you to get close to specific targets or around obstacles. Graco offers 3 mm, 6 mm, and a 10 mm versions in several different designs to optimize jetting of certain materials.

Nozzle Plates

There is a wide selection of both top and bottom nozzle plates offered in the Advanjet product line. Depending on the feed tube and nozzle required for your application, Graco has a nozzle plate to meet your dispensing needs.



Accessory Information

Feed Tubes

The feed tube is what moves material from the syringe and deliveries it to the jet valve. Advanjet feed tubes are available in both metal and rubber along with having a variety of connections, 6 oz., luer, bulk feed, and threaded.





Syringe Brackets

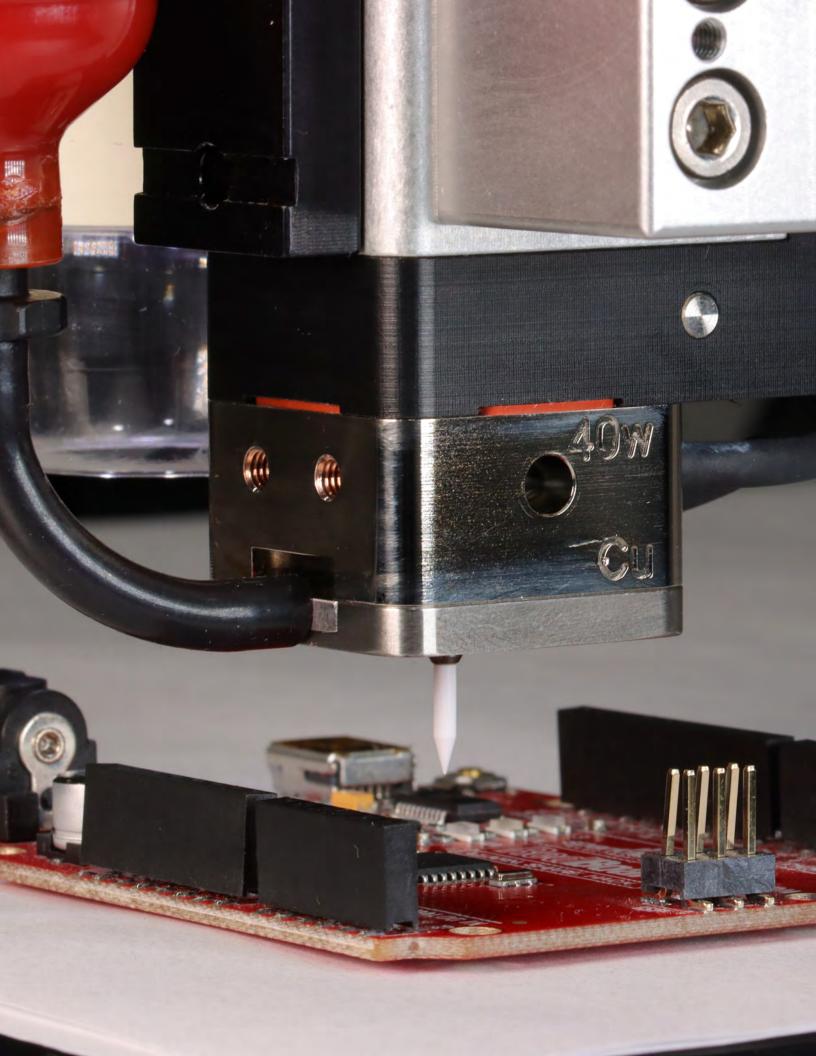
The design of Graco's Advanjet syringe brackets allow you to easily change out the material amount being used on the jet valves, giving you greater flexibility in your manufacturing process. Syringe brackets are bolted on to the jet valve and are offered in a variety of sizes ranging from 5 cc to 6 oz., as well as having options available for bulk feeding.

Configuration Options

UniXact Benchtop Jetting System

UniXact Series B tabletop dispensing systems provide the performance and capability needed for precise electronic product assembly. All the advanced process control needed for repeatable and high-quality jetting are included in these compact systems.





Technical Specifications

	HV-9500b	HV-2000b	HM-2600b		
Component Type	Single Component	Single Component	Single Component		
Container Type	Syringe, Cartridge, Bulk Feed	Syringe, Cartridge, Bulk Feed	Cartridge		
Maximum Working Pressure	90 psi (0.62 Mpa, 6.20 bar)	90 psi (0.62 Mpa, 6.20 bar)	90 psi (0.62 Mpa, 6.20 bar)		
Minimum Working Pressure	40 psi (.27 Mpa, 2.76 bar)	40 psi (.27 Mpa, 2.76 bar)	40 psi (.27 Mpa, 2.76 bar)		
Speed	1-250 drops/second	1-300 drops/second	1-250 drops/second		
Maximum Nozzle Heater Temperature	158° F (70° C)	158° F (70° C)	302° F (150° C)		
Maximum Fluid Heater Temperature	N/A	N/A	302° F (150° C)		
Power Type	Pneumatic	Pneumatic	Pneumatic		
Weight (With Mounting Bracket)	1.15 lbs (0.52 kg)	0.94 lbs (0.43 kg)	2.33 lbs (1.06 kg)		
Туре	Adhesive and Sealant Applicator	Adhesive and Sealant Applicator	Adhesive and Sealant Applicator		
Operating Temperature Range	50° F to 122° F (10° C to 50° C)	50° F to 122° F (10° C to 50° C)	50° F to 122° F (10° C to 50° C)		
Wetted Parts	Tungsten Carbide, Stainless Steel, Ceramic, FKM, Silicone, FFKM, Tygon	Tungsten Carbide, Stainless Steel, Ceramic, FKM, Silicone, FFKM, Tygon	Tungsten Carbide, Stainless Steel, Ceramic, FKM, Silicone, FFKM, Tygon		
Viscosity Range	1-400,000 mPa-s (cps)	1-400,000 mPa-s (cps)	1-1,000,000 mPa-s (cps)		
Fluid Syringes	5, 10, 30, 55, 150 cc and 6 oz	5, 10, 30, 55, 150 cc and 6 oz	30 cc		
Heat Zone	Nozzle	Nozzle	Nozzle; Fluid		

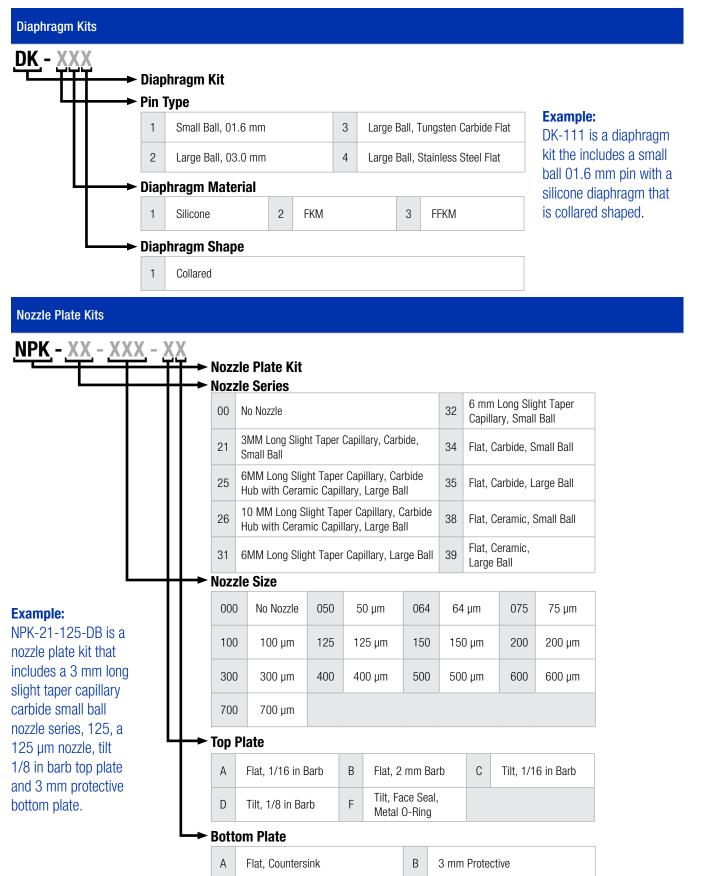
Ordering Information

Jet Valves and Accessories Selection

Jet Valves and Controllers								
HV-2000b		HV-9500b						
26B961 HV-2000b Jet Valve, 15 Pin		26B951	HV-9500b Jet Valve, 40 Watt, 28 Pin					
HV-2600b		26B952	HV-9500b Jet Valve, 20 Watt, 7 Pin					
26B971 HM-2600b Jet Valve, Metal Feed Tube		Jet Controllers						
26B972	HM-2600b Jet Valve, Metal Feed Tube, Low Viscosity	HV-2000C HV-2000 Jet Valve Controller						
26B973		25B085	HM-2600 Jet Valve Controller					
		System Accessories						
Metal Feed Tubes 09-4083-00 6 oz. Metal Feed Tube		09-4109-00	Prime Station with Purge Lid					
09-4083-00								
09-4130-00	Luer Fitting Metal Feed Tube Bulk Feed Metal Feed Tube	09-4105-00	Purge Lid Kit					
			Hammer Gap Tool					
09-4084-01	Metal Feed Tube, 1/8NPT, Female	60-2358	Thermal Metrology Tool					
09-4084-02	Metal Feed Tube, G 1/8, Female							
Rubber Feed Tubes								
Clear Feed Tube		Black Feed Tube						
FT09-2803	Feed Tube Kit, Clear, 35 mm, 50 pack	FT09-2802	Feed Tube Kit, Black, 35 mm, 50 pack					
FT09-2809	Feed Tube Kit, Clear, 55 mm, 50 pack	FT09-2811	Feed Tube Kit, Black, 55 mm, 50 pack					
Green Feed Tube		FT09-2805	Feed Tube Kit, Black, 57 mm, 50 pack					
FT09-2806	Feed Tube Kit, Green, 35 mm, 50 pack	FT09-2812	Feed Tube Kit, Black, 61 mm, 50 pack					
FT09-2810	Feed Tube Kit, Green, 45 mm, 50 pack	FT09-2813	Feed Tube Kit, Black, 145 mm, 50 pack					
FT09-2808	Feed Tube Kit, Green, 51 mm, 50 pack							
Syringe Brackets		-						
6 oz. Brackets		Bulk Feed Brackets						
60-2341	Syringe Bracket Kit, 6 oz.	60-2336	Bulk Feed Mount Kit					
5 cc - 150 cc Brackets		60-2337	Bulk Feed Mount Kit, Metal Feed Tube					
60-2361	Syringe Bracket Kit, 5 cc							
60-2360	Syringe Bracket Kit, 10 cc							
60-2342	Syringe Bracket Kit, 150 cc							
		-						

Ordering Information

Kit Selection

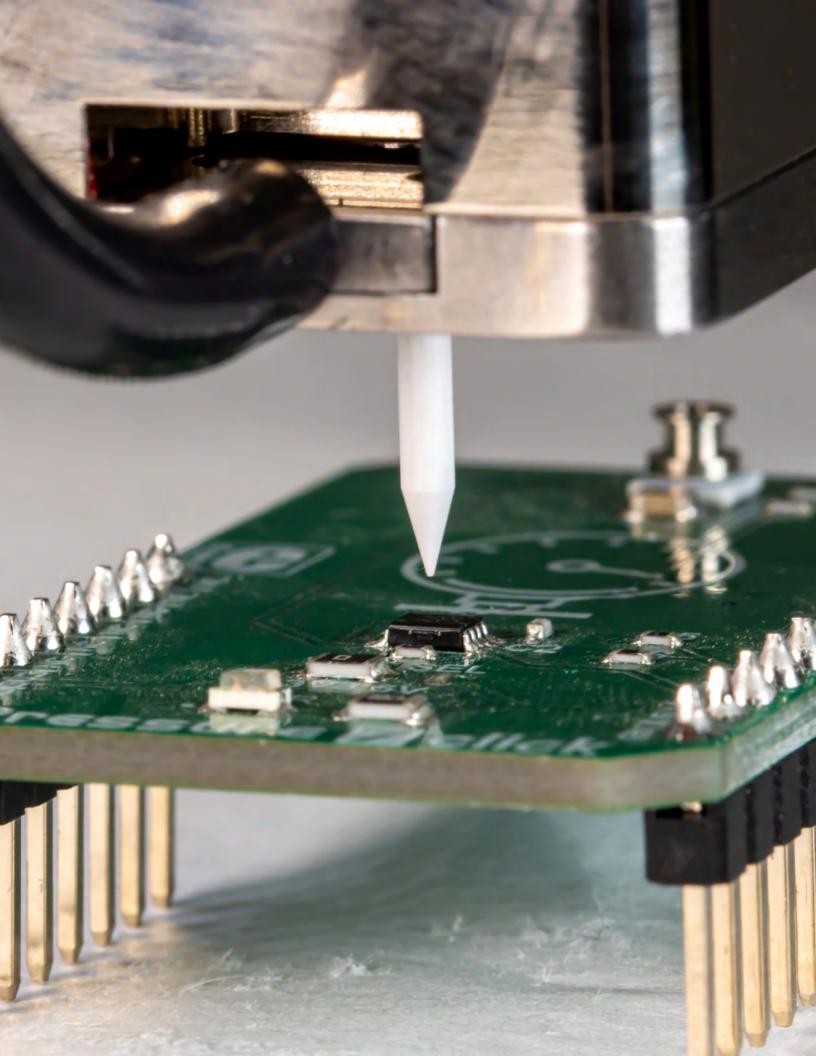


Ordering Information

Kit Selection

Nozzle Kits

<u>NK - XX - XXX</u>	Nozzl	e Kit									
► Nozzle Series											
	21	3 mm Long Slight Taper Capillary, Carbide, Small Ball				34	Flat, Carbide, Small Ball				
	25	6 mm Long Slight Taper Capillary, Carbide Hub with Ceramic Capillary, Large Ball				35	Flat, Carbide, Large Ball				
	26	10 mm Long Slight Taper Capillary, Carbide Hub with Ceramic Capillary, Large Ball				38	Flat, Ceramic, Small Ball				
	31	6 mm Long Slight Taper Capillary, Large Ball				39	Flat, Ceramic, Large Ball				
	32	6 mm Long Slight Taper Capillary, Small Ball									
Example:	Nozzle Size										
NK-21-050 is a nozzle kit that includes	050	50 µm	064	64 µm	075	75 µr	n	100	100 µm		
a 3 mm long slight	125	125 µm	150	150 µm	200	200 µ	ım	300	300 µm		
taper capillary carbide small ball	400	400 µm	500	500 µm	600	600 µ	ım	700	700 µm		
and a 50 µm nozzle.											





ABOUT GRACO

Founded in 1926, Graco is a world leader in fluid handling systems and components. Graco products move, measure, control, dispense and apply a wide range of fluids and viscous materials used in vehicle lubrication, commercial and industrial settings.

The company's success is based on its unwavering commitment to technical excellence, world-class manufacturing and unparalleled customer service. Working closely with qualified distributors, Graco offers systems, products and technology that set the quality standard in a wide range of fluid handling solutions. Graco provides equipment for spray finishing, protective coating, paint circulation, lubrication, and dispensing sealants and adhesives, along with power application equipment for the contractor industry. Graco's ongoing investment in fluid management and control will continue to provide innovative solutions to a diverse global market.

GRACO LOCATIONS

MAILING ADDRESS P.O. Box 1441

Minneapolis, MN 55440-1441 Tel: 612-623-6000 Fax: 612-623-6777

AMERICAS

MINNESOTA Worldwide Headquarters Graco Inc. 88-11th Avenue N.E. Minneapolis, MN 55413

EUROPE

BELGIUM

European Distribution Center Graco Distribution BV Industrieterrein-Oude Bunders Slakweidestraat 31 3630 Maasmechelen, Belgium Tel: 32 89 770 700 Fax: 32 89 770 777

ASIA PACIFIC

AUSTRALIA

Graco Australia Pty Ltd. Suite 17, 2 Enterprise Drive Bundoora, Victoria 3083 Australia Tel: 61 3 9468 8500 Fax: 61 3 9468 8599

CHINA

Graco Fluid Equipment (Shanghai) CO., LTD Building 7, No. 1-2, Wenshui Road 299, Jing'an District, Shanghai 200436 The People's Republic of China Tel: 86 21 6495 0088 Fax: 86 21 6495 0077

INDIA

Graco India Pvt Ltd. Plot No 295, Udyog Vihar Phase-IV Guragram, Haryana India 122015 Tel: 91 124 6610200 Fax: 91 124 6610201

JAPAN

Graco K.K. 1-27-12 Hayabuchi Tsuzuki-ku Yokohama City, Japan 2240025 Tel: 81 45 593 7300 Fax: 81 45 593 7301

KOREA

Graco Korea Inc. 38, Samsung 1-ro 1-gil Hwaseong-si, Gyeonggi-do, 18449 Republic of Korea Tel: 82 31 8015 0961 Fax: 82 31 613 9801

SALES/ DISTRIBUTION/ SERVICE Call today for product information or to request a demonstration. 800-746-1334 or visit us at www.graco.com. Graco Inc. is registered to LS. EN ISO 9001