

iQ VALVES

Dependable Performance for Single Component Dispensing Applications



M O V I N G M A T E R I A L S T H A T M A T T E R TM

VALVES BUILT FOR YOUR APPLICATION

Choosing the correct valve will set your Sealant and Adhesive dispensing application on a path toward success. The Graco iQ Valves offer you the performance, quality and flexibility to reliably complete your dispensing process.

TECHNOLOGY OPTIONS GIVE DISPENSING FLEXIBILITY

Three sealing options let you optimize your dispense based on your material and application



**iQ-T
TIP SEAL**

- Forward acting shutoff
- Fast operation gives clean on/off results
- High-speed stitching applications



**iQ-S
SNUFF-BACK**

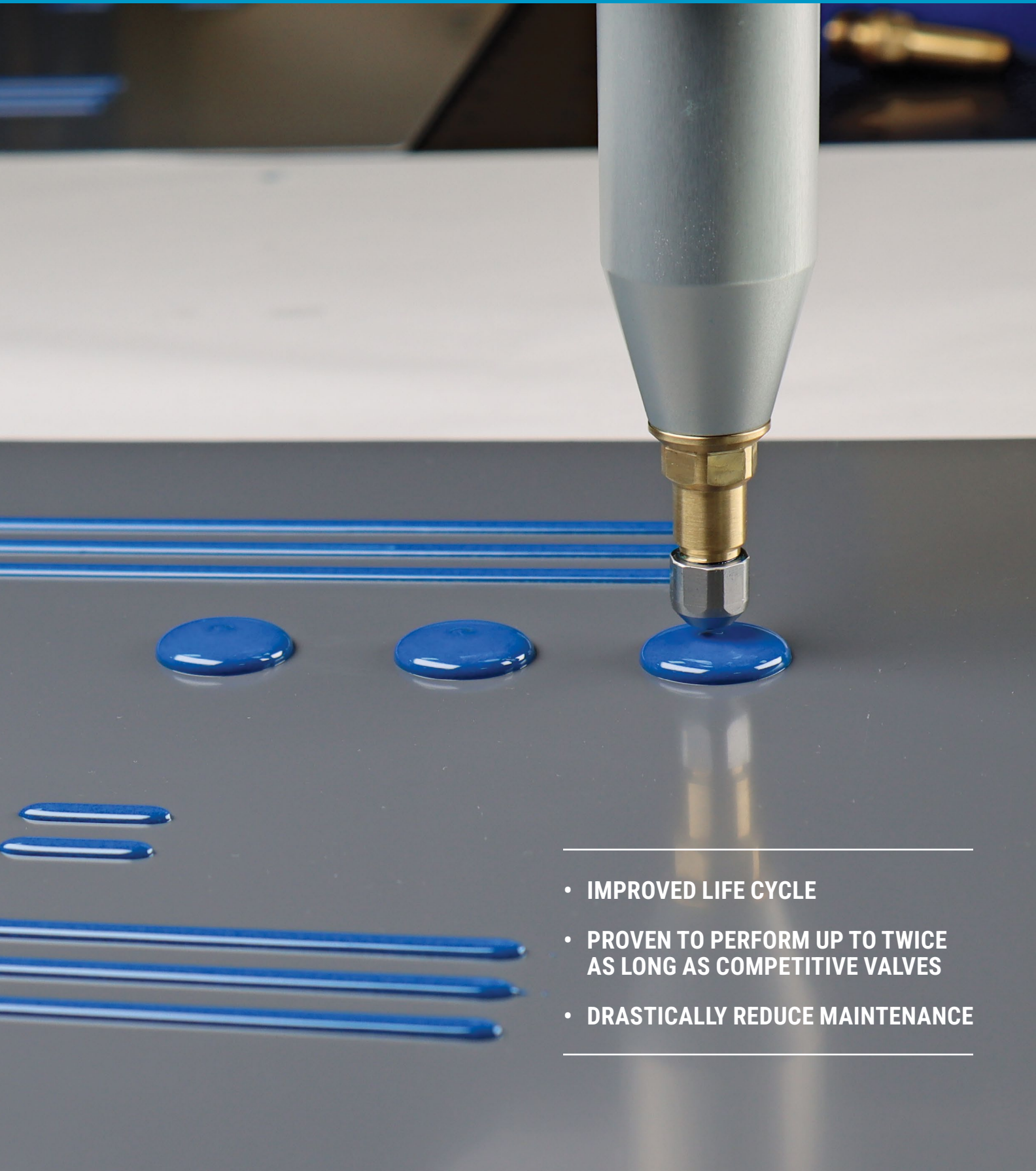
- Snuff-Back (Reverse) acting shutoff
- No drool for thicker materials
- Use with outlet needles
- Adjustable Stroke



**iQ-B
BALL-SEAT**

- Forward acting shutoff
- Standard open/close applications
- Low restriction and wear resistant

INCREASE YOUR OVERALL EQUIPMENT EFFECTIVENESS



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- IMPROVED LIFE CYCLE
 - PROVEN TO PERFORM UP TO TWICE
AS LONG AS COMPETITIVE VALVES
 - DRASTICALLY REDUCE MAINTENANCE
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TECHNOLOGY OPTIONS GIVE DISPENSING FLEXIBILITY



A dispense valve is a critical component in a dispense application because it is the final step of the material handling process. The iQ Dispense Valves were designed with configurable components to meet your application requirements and deliver results you expect.

LARGE SELECTION OF TIP SIZES

- Small to large orifice options for small to large beads and flow rates
- Threaded outlet for use with needle
- RAC spray nozzle option

TIP EXTENSIONS

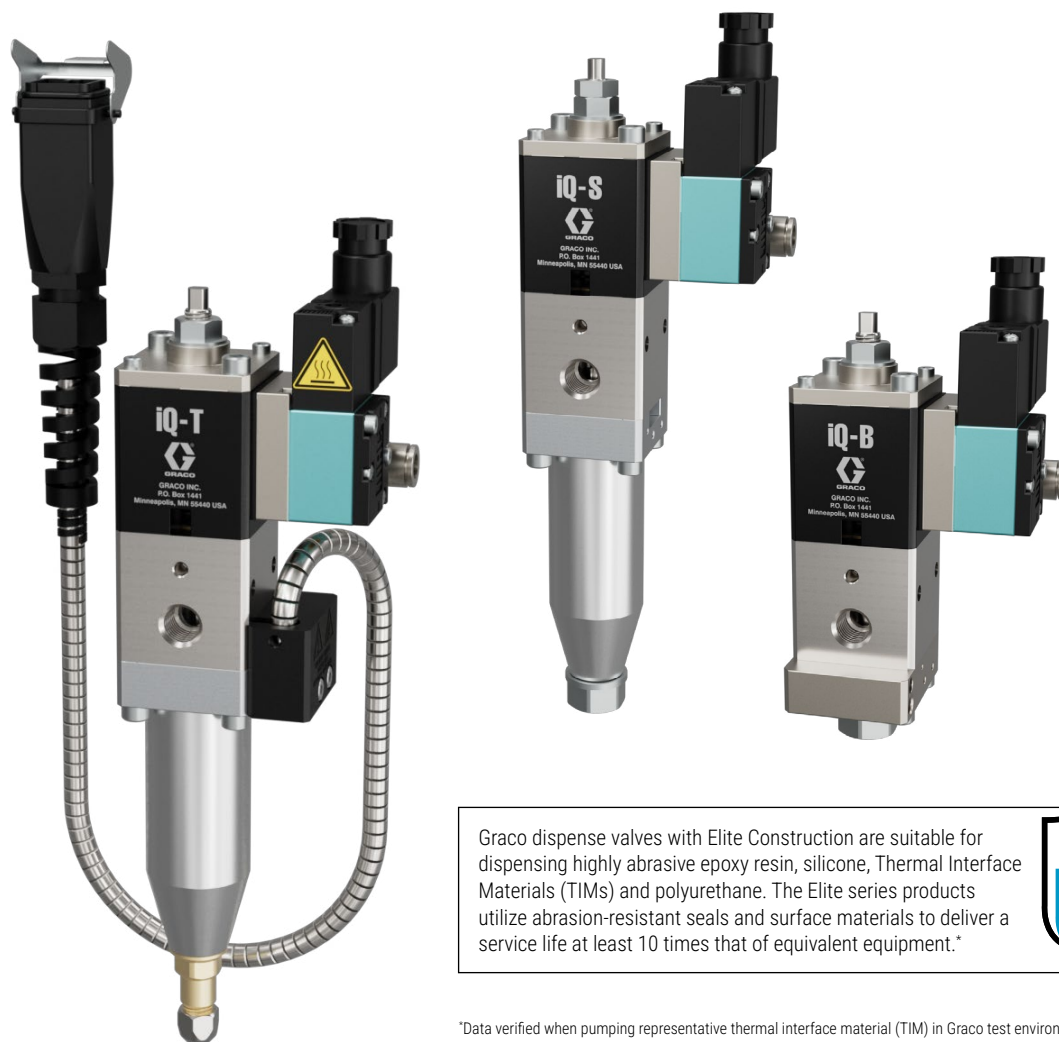
- Select from three nozzle extension lengths to optimize the dispensing tool path
- Accommodates focal lengths for vision systems

FULLY HEATED FOR MATERIAL VISCOSITY CONTROL

For applications up to 158° F (70°C), the iQ valve offers a heated option. Get improved pump-ability and repeatability by heating the valve, so that the viscosity of the material can be kept constant.

DIRECT-MOUNTED SOLENOID

Choose the direct mounted solenoid option for the fastest and most repeatable on/off operation.



Graco dispense valves with Elite Construction are suitable for dispensing highly abrasive epoxy resin, silicone, Thermal Interface Materials (TIMs) and polyurethane. The Elite series products utilize abrasion-resistant seals and surface materials to deliver a service life at least 10 times that of equivalent equipment.*



*Data verified when pumping representative thermal interface material (TIM) in Graco test environment.

TECHNICAL AND ORDERING INFORMATION

DISPENSE VALVE SPECIFICATIONS

	iQ-B / iQ-S / iQ-T
Maximum fluid working pressure	4000 psi (276 Bar, 28 Mpa)
Maximum cylinder air pressure	120 psi (8.3 Bar, 28 Mpa)
Maximum fluid operating temperature	158°F (70°C)
Air Inlet size	1/8 in NPT(f) (remote solenoid options only)
Air exhaust port size	1/8 in NPT(f)
Fluid inlet size	1/4 in NPT(f)
Fluid outlet size	Depending on model
Manual	X032396

NOZZLE SPECIFICATIONS

		0 MM	60 MM	200 MM
WEIGHT	Ambient, Remote Mount Solenoid	1.8 lb (0.8 kg)	2.0 lb (0.9 kg)	2.6 lb (1.2 kg)
	Heated, Remote Mount Solenoid	2.1 lb (1.0 kg)	2.4 lb (1.1 kg)	3.1 lb (1.4 kg)
	Ambient, Direct Mount Solenoid	2.1 lb (1.0 kg)	2.4 lb (1.1 kg)	3.1 lb (1.4 kg)
	Heated, Direct Mount Solenoid	2.5 lb (1.1 kg)	2.8 lb (1.3 kg)	3.5 lb (1.6 kg)
ELECTRICAL	Voltage	240 V ac	240 V ac	240 V ac
	RTD Type	100 Ohm PT	100 Ohm PT	100 Ohm PT
	Wattage	0 mm = 100 W	60 mm = 75 W	150 mm = 150 W

ORDERING OPTIONS

BALL SEAT VALVES

4000 psi (276 bar, 28 Mpa) Fluid Working Pressure. 1/4 NPT Inlet Ports.

PART NUMBER	SOLENOID	SOLENOID POWER (W)	HEAT	OUTLET
2011766	–	–	–	1/4-18 NPT(f)
2011761	X	2.4	–	1/4-18 NPT(f)
2011765	X	2.4	X	1/4-18 NPT(f)
2011767	–	–	X	1/4-18 NPT(f)
2011768	–	–	–	5/16 in-28 RAC
2011771	–	–	–	90 degree

SNUFF BACK VALVES

4000 psi (276 bar, 28 Mpa) Maximum Fluid Working Pressure. 1/4 NPT Inlet Ports.

PART NUMBER	SOLENOID	SOLENOID POWER (W)	HEAT	OUTLET	OUTLET BLOCK LENGTH MM (IN)
2011300	–	–	–	1/4-18 NPT(f)	–
2011298	X	2.4	–	1/4-18 NPT(f)	–
2011299	X	2.4	X	1/4-18 NPT(f)	–
2011301	–	–	X	1/4-18 NPT(f)	–
2012484	–	–	–	1/4-18 NPT(f)	60 (2.36)
2011319	X	2.4	–	1/4-18 NPT(f)	60 (2.36)
2012485	–	–	–	1/4-18 NPT(f)	200 (7.87)
2011297	X	2.4	–	1/4-18 NPT(f)	200 (7.87)
2011321	–	–	–	3/4-16 UNF(m) JIC, 45°	–
2011320	X	12	–	3/4-16 UNF(m) JIC, 45°	–



ORDERING OPTIONS

TIP VALVES

4000 psi (276 bar, 28 Mpa) Maximum Fluid Working Pressure. 1/4 NPT Inlet Ports for standard inlet block.

PART NUMBER	TIP SIZE MM (IN)	SOLENOID	SOLENOID POWER (W)	HEAT	OUTLET BLOCK LENGTH MM (IN)
2011497	1.0 (0.039)	X	12	–	–
2011599	1.0 (0.039)	X	12	–	60 (2.36)
2011600	1.0 (0.039)	X	12	X	60 (2.36)
2011613	1.0 (0.039)	X	12	–	200 (7.87)
2011614	1.0 (0.039)	–	–	–	200 (7.87)
2011588	1.3 (0.051)	X	12	–	–
2011589	1.3 (0.051)	X	12	X	–
2011590	1.3 (0.051)	–	–	–	–
2011601	1.3 (0.051)	X	12	–	60 (2.36)
2011602	1.3 (0.051)	X	12	X	60 (2.36)
2011603	1.3 (0.051)	–	–	–	60 (2.36)
2011615	1.3 (0.051)	X	12	–	200 (7.87)
2011616	1.3 (0.051)	X	12	X	200 (7.87)
2011617	1.3 (0.051)	–	–	–	200 (7.87)
2011591	1.7 (0.067)	X	12	–	–
2011592	1.7 (0.067)	X	12	X	–
2011593	1.7 (0.067)	–	–	–	–
2011604	1.7 (0.067)	X	12	–	60 (2.36)
2011605	1.7 (0.067)	X	12	X	60 (2.36)
2011606	1.7 (0.067)	–	–	–	60 (2.36)
2011618	1.7 (0.067)	X	12	–	200 (7.87)
2011619	1.7 (0.067)	X	12	X	200 (7.87)
2011620	1.7 (0.067)	–	–	–	200 (7.87)
2011594	2.0 (0.079)	X	12	–	–
2011595	2.0 (0.079)	X	12	X	–
2011596	2.0 (0.079)	–	–	–	–
2011607	2.0 (0.079)	X	12	–	60 (2.36)
2011608	2.0 (0.079)	X	12	X	60 (2.36)
2011609	2.0 (0.079)	–	–	–	60 (2.36)
2011621	2.0 (0.079)	X	12	–	200 (7.87)
2011622	2.0 (0.079)	X	12	X	200 (7.87)
2011623	2.0 (0.079)	–	–	–	200 (7.87)
2011597	2.5 (0.098)	X	12	X	–
2011598*	2.5 (0.098)	X	12	X	–
2011610	2.5 (0.098)	X	12	X	60 (2.36)
2011624	2.5 (0.098)	X	12	X	200 (7.87)
2011612	4.0 (0.0157)	X	12	–	60 (2.36)

*Indicates Elite components.



MOVING MATERIALS THAT MATTER™



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