

# iQ Dispense Valve

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For reliable, controlled material flow dispensing

PROVEN QUALITY. LEADING TECHNOLOGY.

# Valves Built for Your Application

Choosing the correct valve will set your sealant and adhesive dispensing application on a path toward success. 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



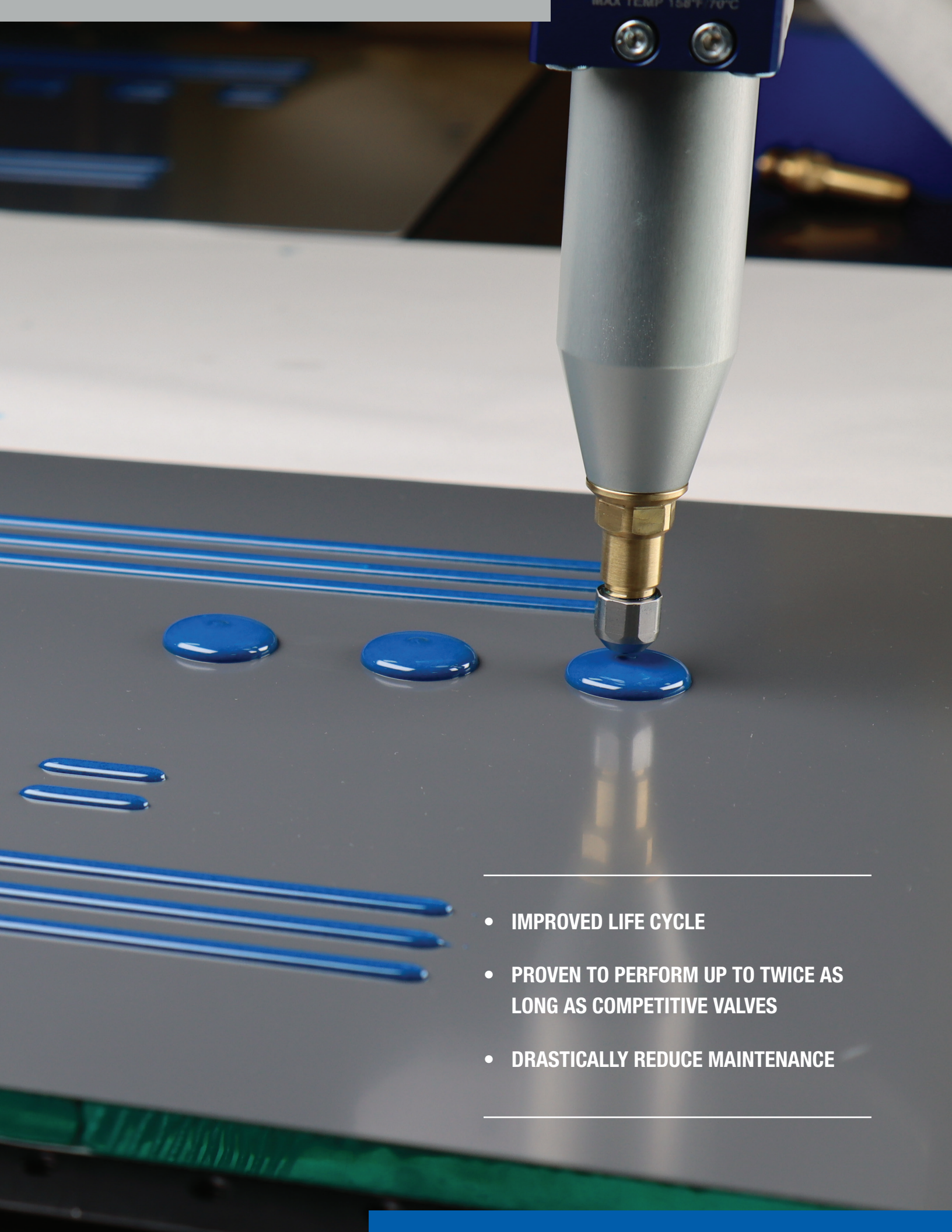
**iQ-S  
Snuff-Back**

- 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



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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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# Valves Built for Your Application

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.

## ▶ TECHNOLOGY OPTIONS GIVE DISPENSING FLEXIBILITY

### 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.



### ELITE CONSTRUCTION FOR HIGHLY ABRASIVE MATERIAL

Valves with Elite construction withstand the most abrasive thermal interface materials (TIMs), silicones, urethanes, and epoxies. With wear-resistant seals, Elite iQ Valves last at least 10 times longer than standard components.\*

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



# Ordering Information

Use the following matrix to define the construction of the valve, based on the ten digits. Refer to manual 333585 for specific details on available configurations.

First Digit	Second and Third Digit		Fourth Digit		Fifth Digit		Sixth, Seventh, and Eighth Digit		Ninth Digit		Tenth Digit	
	Construction		Tip Size		Type		Outlet Block Length		Action		Heat	
V	25	1/4 in. NPT	A	1/4 in. NPT	B	Ball-Seat	000	0 mm	B	Valve Mounted Solenoid	A	None
	EL <sup>†</sup>	1/4 in. NPT	B	RAC Tip <sup>**</sup>	S	Snuff-Back	060	60 mm	D	Remote Solenoid Block <sup>*</sup>	B	Heated Maximum
	GM <sup>††</sup>	PGM Mount	D	1.0 mm	T	Tip Seal	200	200 mm			C	120 Volt <sup>***</sup>
			F	1.3 mm								
			G	1.7 mm								
			H	2.0 mm								
			J	2.5 mm <sup>****</sup>								
			K	3.0 mm <sup>****</sup>								
		L	4.0 mm <sup>****</sup>									

\* Remote solenoid can be purchased as an accessory or supplied by customer  
 \*\* RAC Tip valves are only available in Ball-Seat configurations  
 \*\*\* Limited options, contact Graco for more information  
 \*\*\*\* Tip Size, fourth digit, option J, K, L) is only available in Tip Seal configurations

<sup>†</sup> Models with Elite construction for abrasive materials, 2.5 mm and 4.0 mm tip assemblies only  
<sup>††</sup> Designed with mounting block compatible with PGM. 1.3 mm tip in Snuff Back and Tip Seal only

## High Working Pressure Valves (Ball-Seat Valves) with stainless steel housing 345 bar (5000 psi, 34.5 MPa)

- 25R843**
- 1/4 in. NPT inlet ports
  - 1/4 in. NPT outlet port
  - Ball-seat
  - 000 Outlet block length
  - Valve mounted solenoid
  - Non-heated

- 25R844**
- 1/4 in. NPT inlet ports
  - 1/4 in. NPT outlet port
  - Ball-seat
  - 000 Outlet block length
  - Remote solenoid solenoid
  - Non-heated

## 45° Outlet Valves (Snuff-Back Valves) for use with Graco Precision Swirl

- 26B490**
- 1/4 in. NPT inlet ports
  - 45° outlet port
  - Snuff-Back
  - 000 Outlet block length
  - Valve mounted solenoid
  - Non-heated

- 26B491**
- 1/4 in. NPT inlet ports
  - 45° outlet port
  - Snuff-Back
  - 000 Outlet block length
  - Remote solenoid solenoid
  - Non-heated

# Technical Information

## iQ-B, iQ-S and iQ-B Valves

Maximum fluid working pressure	4000 psi (276 Bari, 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

## Weight

Nozzle length	Ambient, Remote Mount Solenoid	Heated, Remote Mount Solenoid	Ambient, Direct Mount Solenoid	Heated, Direct Mount Solenoid
0 mm	1.2 lb (0.5 kg)	1.5 lb (0.7 kg)	1.5 lb (0.7 kg)	1.9 lb (0.9 kg)
60 mm	1.4 lb (0.6 kg)	1.8 lb (0.8 kg)	1.8 lb (0.8 kg)	2.2 lb (1.0 kg)
200 mm	2.0 lb (0.9 kg)	2.5lb (1.1 kg)	2.5lb (1.1 kg)	2.9 lb (1.3 kg)

## Electrical Specifications

Nozzle length	Voltage	RTD Type	Wattage
0 mm	240 V ac	100 Ohm PT	0 mm = 100 W
60 mm			60 mm = 75 W
200 mm			150 mm = 150 W

All written and visual data contained in this document are based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

Call today for product information or to request a demonstration.  
**877.84GRACO** (1-877-844-7226) or visit us at [www.graco.com/iQvalves](http://www.graco.com/iQvalves).

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