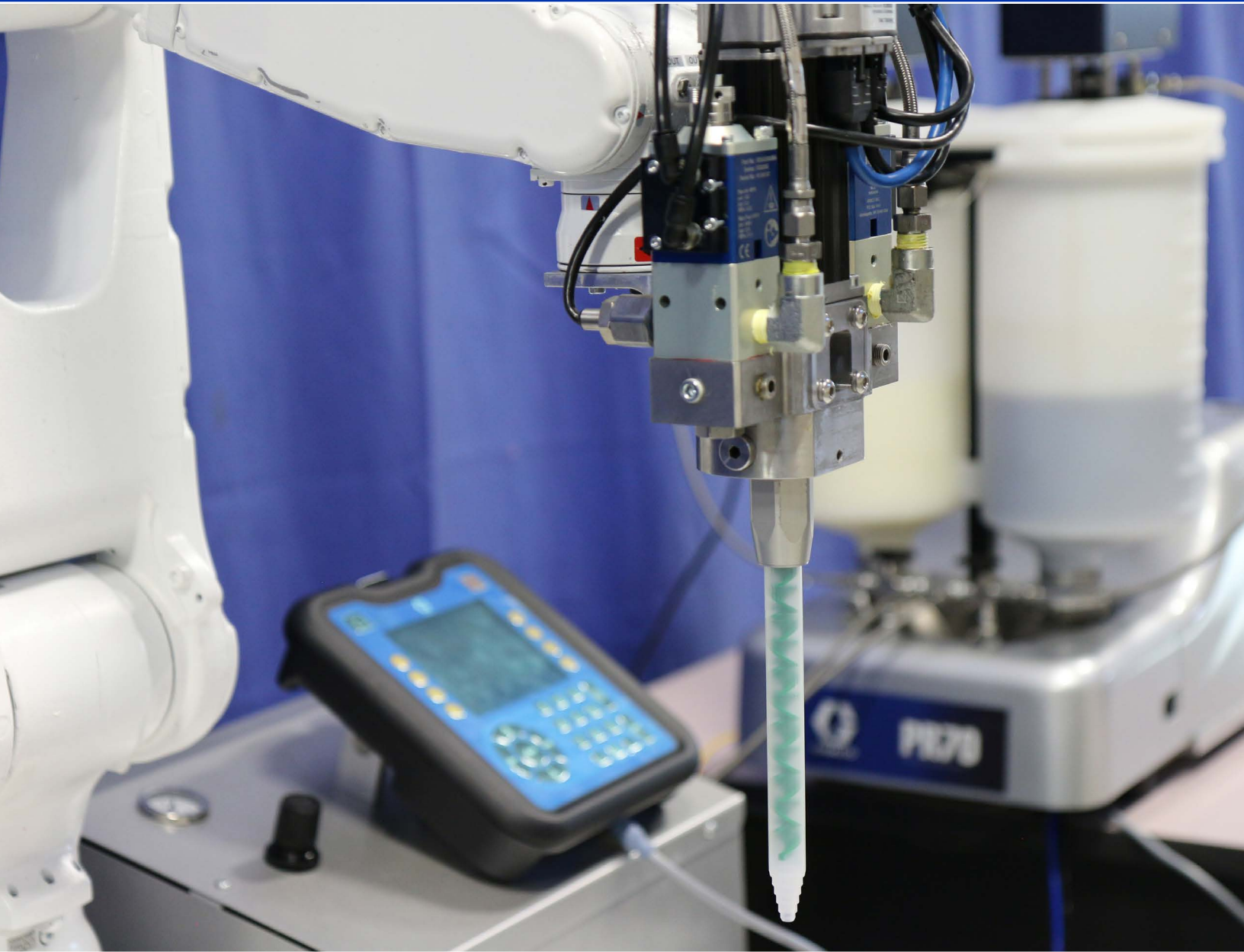




# Voltex™ Dispense Valve

Rotary Static Mix Valve for Two-Component Foaming Urethanes and Silicones



PROVEN QUALITY. LEADING TECHNOLOGY.

# Voltex Dynamic Mix Valve

Capable of dispensing foaming urethanes and silicones with ease and control, the Voltex Dynamic Mix Valve is the final component to complete your two-component dispensing solution. In order to mix with confidence, this rotary static dynamic mix valve is engineered with reliable servo motor, innovative error detection technology, and fully integrated precision controls. These features, along with the valve's flexibility, make it an attractive technology for a wide variety of dispensing applications.

## Application Flexibility

Independent A/B component control, front/back mounting capability, and plumbing options to optimize applications.

## Precision Repeatability

Servo electric motor delivers reliable mix due to the advanced RPM and torque controls.

## Versatile Design

Multiple accessory fluid ports for pressure sensors, cleaning/flushing, or air nucleation assist.

## Process Control

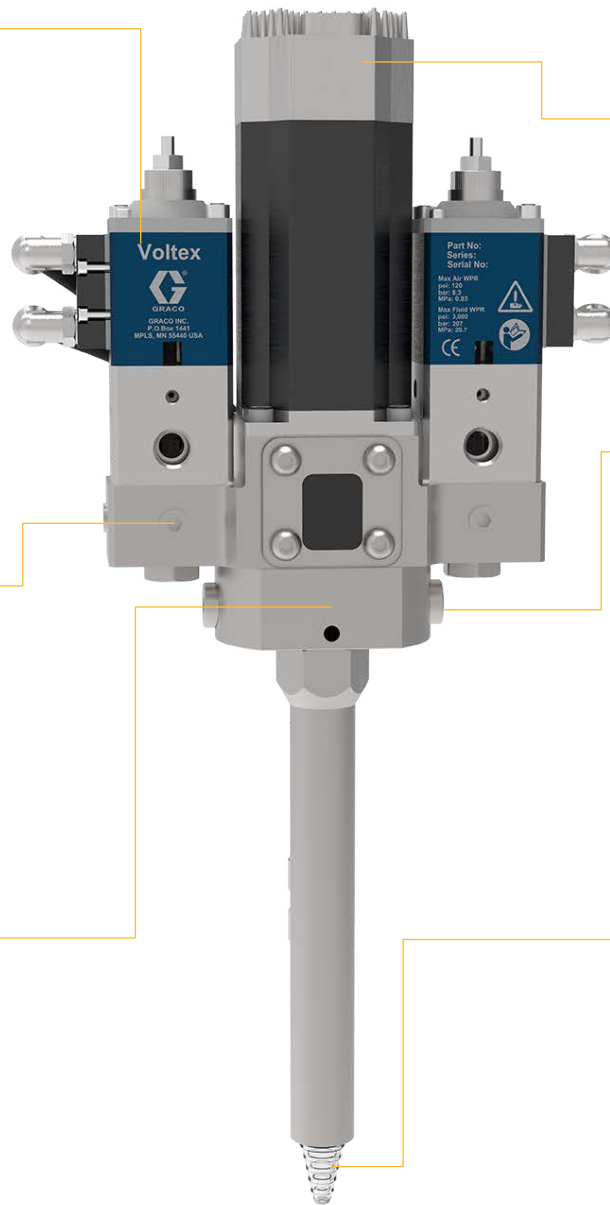
Built with orifice inserts for pressure balancing and check valves that prevent downtime.

## Durable Components

Long lasting rotary seal and sturdy mixer shroud stand up to tough-to-blend materials.

## Minimize Downtime

Easy maintenance and cleaning with disposable mixing elements.



# Voltex Dynamic Mix Valve

## ▶ Markets and Applications

Built with independent A/B component controls, flexible mounting, and seamless metering system integration, the Voltex Dynamic Mix Valve fits the demands of the most challenging potting, gasketing, bonding, and sealing applications.



▶ Battery



▶ Filtration



▶ General Industry



▶ Automotive

## ▶ Dispense and Dispose Mixers

- Spiral mixing action thoroughly mixes two-component materials
- No solvent flushing means less mess and reduced disposal expenses
- Rugged, chemical-resistant mixer housing and mixing elements



## ▶ Controller Options

- Choose from wall or tabletop mounting styles to fit your production setup



Tabletop without ADM



Wall mount with ADM

# Compatible Systems and Controls

## ► Electric Fixed Ratio (EFR) System

Easily integrate the EFR with the Voltex Dynamic Mix Valve for a complete two-component meter, mix and dispense solution. The EFR is ideal for applications requiring precision dispense and superior control over sealant materials.



## ► PR70

When coupled with the Voltex Dynamic Mix Valve and control box, the ADM equipped PR70 accurately meters, mixes and dispenses two-component medium to low-viscosity materials for potting, gasketing, sealing, and encapsulation applications.



## ► Hydraulic Fixed Ratio (HFR) System

A meter, mix and dispense system for materials ranging from epoxies to elastomers. Compatible with Voltex Dynamic Mix Valve and ADM control box for high throughput applications requiring on-ratio dispensing, precision dispense, and consistent material flow.



## ► Process Controls



### An Easy to Use Control Module

With the Voltex Dynamic Mix Valve and controls, you can be confident that you're accurately dispensing material every time. Quickly optimize your process with RPM and ramp up settings.

### Simple Diagnostics

The controls also incorporate simple diagnostic screens which allow you to quickly check all the process variables and define predictive maintenance parameters.

# Technical Specifications

## Voltex Dynamic Mix Valve

Part Number	25T670
Maximum Static Fluid Pressure	3000 psi (20.7 MPa, 207 bar)
Maximum Dynamic Fluid Pressure	1000 psi (69 Bar, 6.9 MPa)
Maximum Air Pressure	120 psi (8.3 Bar, 0.83 MPa)
Maximum Motor Speed	4400 rpm
Typical Maximum Flow	< 50 cc/sec
Fluid Inlet Size	1/4 in. NPT (female)
Fluid Outlet Shroud Thread	7/8 in. - 14 UNF (male)
Fluid Auxiliary Ports <i>(6x on fluid housing)</i>	1/8 in. NPT (female)
Approximate Size (W x D x H)	8.68 x 3.49 x 9.69 in (220.47 x 88.65 x 246.10 mm)
Air Line Size	5/16 in. (8mm)
Mounting Screw Size	M6 X 1.0 (4x each side)
Maximum Operating Temperature	149°F (60°C)
Weight	11.7 lbs (5.32 kg)

## Controller

Controller Mount Type <i>(wall and table)</i>	M6 X 1.0 (4x)
Required Line Voltage	100-240 VAC, 50/60 Hz, 1 Phase
Machine Operating Voltage	24-VDC Components 48 VDC Motor
Maximum Harness Length <i>(between valve and controller)</i>	206 ft. (63m)
Weight	
25T671 Voltex Tabletop Control Box for PR70 or HFR, with ADM	32 lbs (14.5 kg)
25T672 Voltex Tabletop Control Box for EFR, No ADM	27.9 lbs (12.7 kg)
25T673 Voltex Wall Mount Control Box for PR70 or HFR, with ADM	33.8 lbs (15.3 kg)
25T674 Voltex Wall Mount Control Box for EFR, No ADM	29.7 lbs (13.5 kg)



# Ordering Information

## Voltex Dynamic Mix Valve

Part Number	25T670
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## Mixers and Shrouds

Choose mixer size based on application.

	10 Pack	50 Pack	Compatible Shroud
8mm x 12 element	25S024	25S025	4-419-904
10mm x 12 element	25S026	25S027	4-419-903
13mm x 12 element	25S028	25S029	4-419-902C

## Orifices

Choose your orifice to balance pressures.

25T700	0.016" (0.41mm)	25T706	0.039" (0.99mm)	25T712	0.063" (1.60mm)
25T701	0.020" (0.51mm)	25T707	0.042" (1.07mm)	25T713	0.067" (1.70mm)
25T702	0.024" (0.61mm)	25T708	0.047" (1.19mm)	25T714	0.073" (1.82mm)
25T703	0.028" (0.71mm)	25T709	0.052" (1.32mm)	25T715	0.086" (2.18mm)
25T704	0.031" (0.79mm)	25T710	0.055" (1.40mm)	25T716	Undrilled (no orifice)
25T705	0.035" (0.89mm)	25T711	0.060" (1.52mm)	25T675	Multiple Orifice Kit

All orifice options come in packs of two (2). The multiple orifice kit includes two (2) of each size including the undrilled orifices.

## Control Box

Choose a controller depending on system integration, and mounting style.

25T671	Voltex Tabletop Control Box for PR70 or HFR, with ADM
25T672	Voltex Tabletop Control Box for EFR, No ADM
25T673	Voltex Wall Mount Control Box for PR70 or HFR, with ADM
25T674	Voltex Wall Mount Control Box for EFR, No ADM

## Integration Cable Kit

Choose cable based on metering system and length required.

123651	6.56 ft (2m) CAN Cable for EFR
121728	13.12 ft (4m) CAN Cable for EFR
121005	49.21 ft (15m) CAN Cable for EFR
25T887	9.84 ft (3m) Integration Cable Kit for HFR
25T888	19.70 ft (6m) Integration Cable Kit for HFR
25T889	9.84 ft (3m) Integration Cable Kit for PR70
25T890	19.70 ft (6m) Integration Cable Kit for PR70

# Ordering Information

## Power Cable

*One power cable is required for the Voltex controller.*

121055	Power Cable, NEMA 5-15P (USA, Mexico, Puerto Rico, Canada, Taiwan), 115V, 10A, 7.5 ft (2.2m)
121054	Power Cable, NEMA 6-15P (USA), 250V, 10A, 8 ft (2.4m)
121056	Power Cable, CEE 7/7 (France, Germany, Iceland, Netherlands, Norway, Turkey), 250V, 10A, 8 ft (2.4m)
121057	Power Cable, BS1363 (UK, Ireland, Malaysia, Singapore), 250V, 10A, 8 ft (2.4m)
121058	Power Cable, SI32 (Israel), 250V, 10A, 8 ft (2.4m)
124864	Power Cable, AS/NZS 3112 (Australia, New Zealand), 250V, 10A, 8 ft (2.4m)
124861	Power Cable, CEI 23-50 (Italy), 250V, 10A, 8 ft (2.4m)
124863	Power Cable, SEV 1011 (Switzerland), 250V, 10A, 8 ft (2.4m)
124862	Power Cable, 107-2-D1 (Denmark), 250V, 10A, 8 ft (2.4m)
121060	Power Cable, SANS 164-1 / BS 546 (South Africa, India), 250V, 16A, 8 ft (2.4m)

## ► Accessories

### Pressure Transducers

*Buy two of each part to monitor A/B pressure simultaneously.*

16A093	Fitting, Pressure Transducer
25R640	Pressure Transducer

*One needed per material side.*

### Pressure Transducer Extension Cables

124409	9.8 ft (3m) Extension Cable
17H363	24.6 ft (7.5m) Extension Cable
17H364	52.5 ft (16m) Extension Cable

### Pressure Gauges

25T721	Material Pressure Kit (2 included)
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### Air Nucleation

25T717	Air Nucleation Kit (single side)
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### Integration Extension Cables

25T718	9.8 ft (3m) Extension Harness Kit
25T719	19.7 ft (6m) Extension Harness Kit
25T720	49.2 ft (15m) Extension Harness Kit

## ► Manual

3A8115	Voltex Dynamic Mix Valve Instruction Manual
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## 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

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Fax: 612-623-6777

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Fax: 32 89 770 777

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