Instruction

TC Dispense Valve

3A9283B

EN

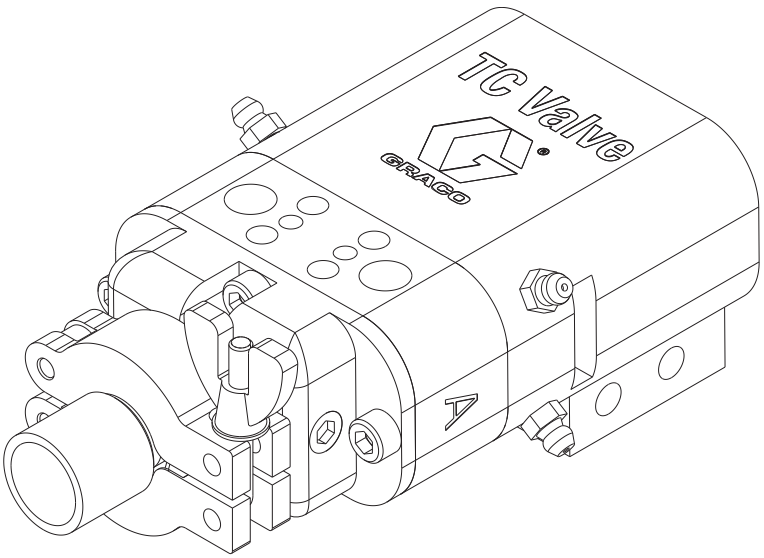
For use with disposable mixer to dispense a variety of sealants and adhesives. For professional use only.

Not approved for use in European explosive atmosphere locations.

3000 psi (20.7 MPa, 207 bar) Maximum Fluid Working Pressure
120 psi (0.84 MPa, 8.4 bar) Maximum Air Working Pressure

Important Safety Instructions

Read all warnings and instructions in this manual before using the equipment.
Save these instructions.



PROVEN QUALITY. LEADING TECHNOLOGY.

Contents

Models

Part	Description
26D918	1:1 ratio, Standard U-cap seal
26D919	1:1 ratio, High Wear U-cap seal
26D920	10:1 ratio, Standard U-cap seal
26D921	10:1 ratio, High Wear U-cap seal

Warnings

The following warnings are for the setup, use, grounding, maintenance, and repair of this equipment. The exclamation point symbol alerts you to a general warning and the hazard symbols refer to procedure-specific risks. When these symbols appear in the body of this manual or on warning labels, refer back to these Warnings. Product-specific hazard symbols and warnings not covered in this section may appear throughout the body of this manual where applicable.

⚠ WARNING





SKIN INJECTION HAZARD

High-pressure fluid from dispensing device, hose leaks, or ruptured components will pierce skin. This may look like just a cut, but it is a serious injury that can result in amputation. **Get immediate surgical treatment.**

- Do not point dispensing device at anyone or at any part of the body.
- Do not put your hand over the fluid outlet.
- Do not stop or deflect leaks with your hand, body, glove, or rag.
- Follow the **Pressure Relief Procedure** when you stop dispensing and before cleaning, checking, or servicing equipment.
- Tighten all fluid connections before operating the equipment.
- Check hoses and couplings daily. Replace worn or damaged parts immediately.

BURN HAZARD

Equipment surfaces and fluid that is heated can become very hot during operation. To avoid severe burns:

- Do not touch hot fluid or equipment.

⚠ WARNING

FIRE AND EXPLOSION HAZARD

Flammable fumes, such as solvent and paint fumes, in **work area** can ignite or explode. Paint or solvent flowing through the equipment can cause static sparking. To help prevent fire and explosion:

- Use equipment only in well-ventilated area.
- Eliminate all ignition sources; such as pilot lights, cigarettes, portable electric lamps, and plastic drop cloths (potential static sparking).
- Ground all equipment in the work area. See **Grounding** instructions.
- Never spray or flush solvent at high pressure.
- Keep work area free of debris, including solvent, rags and gasoline.
- Do not plug or unplug power cords, or turn power or light switches on or off when flammable fumes are present.
- Use only grounded hoses.
- Hold gun firmly to side of grounded pail when triggering into pail. Do not use pail liners unless they are anti-static or conductive.
- **Stop operation immediately** if static sparking occurs or you feel a shock**.** Do not use equipment until you identify and correct the problem.
- Keep a working fire extinguisher in the work area.

EQUIPMENT MISUSE HAZARD

Misuse can cause death or serious injury.

- Do not operate the unit when fatigued or under the influence of drugs or alcohol.
- Do not exceed the maximum working pressure or temperature rating of the lowest rated system component. See **Technical Specifications** in all equipment manuals.
- Use fluids and solvents that are compatible with equipment wetted parts. See **Technical Specifications** in all equipment manuals. Read fluid and solvent manufacturer's warnings. For complete information about your material, request Safety Data Sheets (SDSs) from distributor or retailer.
- Turn off all equipment and follow the **Pressure Relief Procedure** when equipment is not in use.
- Check equipment daily. Repair or replace worn or damaged parts immediately with genuine manufacturer's replacement parts only.
- Do not alter or modify equipment. Alterations or modifications may void agency approvals and create safety hazards.
- Make sure all equipment is rated and approved for the environment in which you are using it.
- Use equipment only for its intended purpose. Call your distributor for information.
- Route hoses and cables away from traffic areas, sharp edges, moving parts, and hot surfaces.
- Do not kink or over bend hoses or use hoses to pull equipment.
- Keep children and animals away from work area.
- Comply with all applicable safety regulations.

⚠ WARNING

TOXIC FLUID OR FUMES HAZARD

Toxic fluids or fumes can cause serious injury or death if splashed in the eyes or on skin, inhaled, or swallowed.

- Read Safety Data Sheets (SDSs) to know the specific hazards of the fluids you are using.
- Store hazardous fluid in approved containers, and dispose of it according to applicable guidelines.

PERSONAL PROTECTIVE EQUIPMENT

Wear appropriate protective equipment when in the work area to help prevent serious injury, including eye injury, hearing loss, inhalation of toxic fumes, and burns. Protective equipment includes but is not limited to:

- Protective eyewear, and hearing protection.
- Respirators, protective clothing, and gloves as recommended by the fluid and solvent manufacturer.

Component Identification

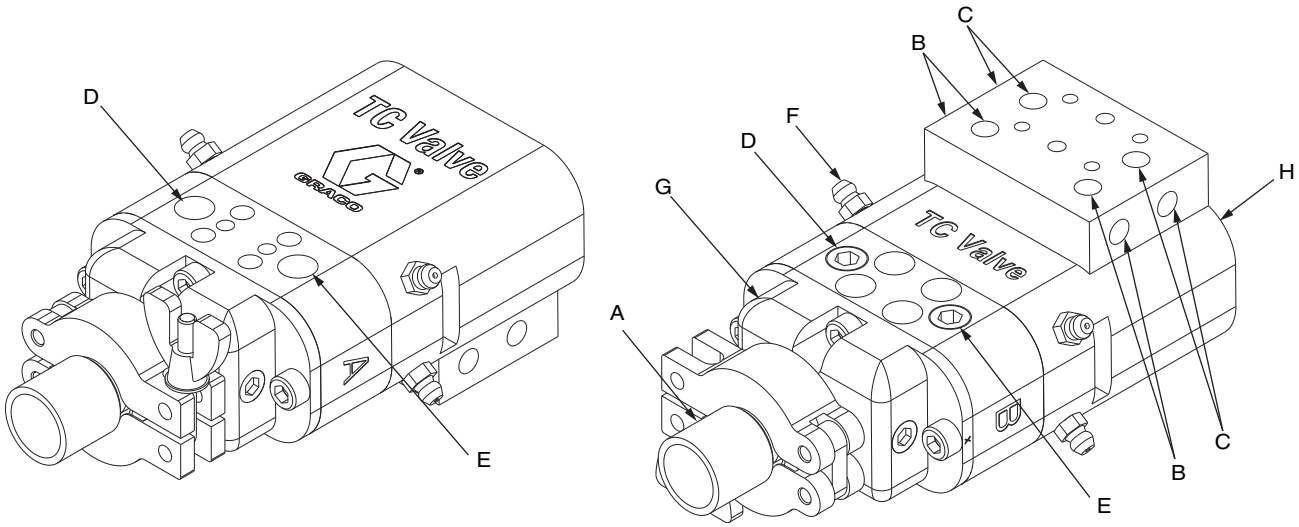


FIG. 1

Key:

A Mixer cover
B 1/8 in. npt (f) air to close (O) port
C 1/8 in. npt (f) air to open (I) port
D 1/4 in. npt (f) thread “B” fluid inlet (low volume) port
E 1/4 in. npt (f) thread “A” fluid inlet (high volume) port
F Zerk grease fitting
G Nose piece with outlet
H Air cylinder

Installation

Grounding

The equipment must be grounded to reduce the risk of static sparking. Static sparking can cause fumes to ignite or explode. Grounding provides an escape wire for the electric current.

Proportioner and/or Pump: ground the proportioner and/or pump as described in your separate proportioner and/or pump instruction manual.

Air and fluid hoses: use only electrically conductive hoses with a maximum of 500 ft. (150 m) combined hose length to ensure grounding continuity. Check electrical resistance of hoses. If total resistance to ground exceeds 29 megohms, replace hose immediately.

Air compressor: follow manufacturer's recommendations.

Dispense valve: ground through connection to a properly grounded fluid hose and pump.

Fluid supply container: follow local code.

Solvent pails used when flushing: follow local code. Use only conductive metal pails, placed on a grounded surface. Do not place the pail on a nonconductive surface, such as paper or cardboard, which interrupts grounding continuity.

To maintain grounding continuity when flushing or relieving pressure: hold metal part of the dispense valve firmly to the side of a grounded metal pail, then trigger the valve.

Nose Piece Orientation

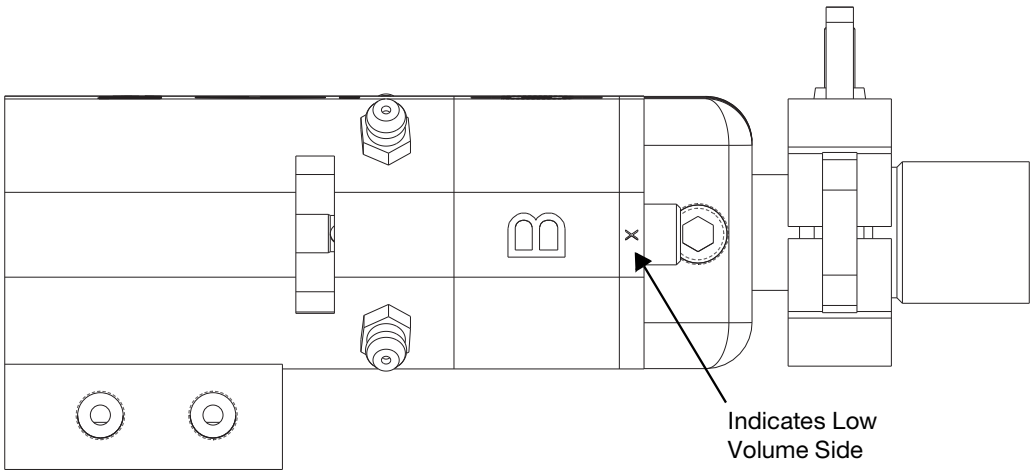


FIG. 2

Two dispense options are available for the Valve's nose piece configuration: 1:1 and wide ratio (10:1). With each option, the nose piece can be placed in two orientations to control how the fluid components are dispensed and ease the flow of the fluid through the hoses.

There is a high volume and a low volume side. The low volume side is permanently marked with an X on the outside of the valve. When the dispense valve is shipped from Graco, the X is aligned with the B side. If you disassemble the dispense valve for cleaning purposes, note the orientation of the X to avoid the risk of fluid cross-contamination when you reassemble the valve.

Flush Before Using Equipment

The equipment was tested with lightweight oil, which is left in the fluid passages to protect parts. To avoid contaminating your fluid with oil, flush the equipment with a compatible solvent before using the equipment.

Mounting

The dispense valves have multiple mounting hole configurations (see **Dimensions**, page 22), which make them ideal for use with robotic equipment or multiple manifold high production operations.

1. Inspect dispense valve for shipping damage. If there is damage, notify shipping carrier immediately.
2. Install compatible accessories. For a list of accessories and installation instructions, see **Kits and Accessories**, page 20.

NOTE: Follow **Pressure Relief Procedure**, page 11, before changing nose housing.

3. Securely attach the dispense valve to its mounting fixture using socket head cap screws; see **Dimensions**, page 22.
4. Connect air lines to the dispense valve:

NOTICE
Only use air fittings that are rated at a temperature equal to or higher than the operating temperature of the fluid dispensing system. Lower rated air fittings could melt and cause damage to the dispense valve.

   a. See **Technical Specifications**, page 23, for maximum operating air pressure.

   b. Connect air lines to the Open (I) and Close (O) air ports (B and C). See FIG. 1, page 6.

5. Connect fluid line to npt fluid inlet (D and E) in valve body.
6. Check each fitting to avoid pressure leakage from the dispense valve.

Fluid and Air Connections

1/4 in. npt (f) Fluid Inlets

There are two fluid inlets on the A-side and two fluid inlets on the B-side. The fluid inlets are located on the both sides of the valve.

1/8 in. npt (f) Air Inlets

The dispense valve includes two Open ports (I) and two Close ports (O), which are operated by a remote four-way air control valve. Use two of four air inlets located on the bottom and on the back of the valve.

Inlet Check Valves

Inlet check valves are recommended on the fluid inlets where viscosity allows. An inlet check valve prevents back-flow or crossover when the mixer is plugged or one fluid is much lower viscosity than the other. When required, a high crack pressure check valve is installed to maintain back-pressure on low viscosity fluids.

Balancing the System

A proportioner is used to feed the two-component dispense valve. The system must be pressure balanced to avoid “lead-lag” ratio errors when starting and stopping the flow.

Balancing is done by hose sizing or inlet check restriction. A properly balanced system has near equal back-pressure on the gauges when flowing without a mixer installed.

Hose Selection

Hoses between your proportioner and/or pump and the valve should be selected carefully. Many factors effect hose selection.

1. **Fluid Compatibility:** Fluid must not degrade the core material or end fittings of the hose. Nylon or PTFE cores are commonly used for chemical compatibility. If your fluid is moisture sensitive you should use PTFE or Moisture-Lok hoses.
2. **Pressure Rating:** Be sure hoses have a working pressure rating above the pressure capability of the system.
3. **Compressibility:** Hoses, especially nylon paint hoses, expand with an increase in pressure. A pressure change in the system may cause a volume change, which can appear as a ratio error with wide mix ratios. Compressible hoses absorb pressure spikes which is helpful to the operator during an application, such as trying to lay a bead.
4. **Internal Diameter:** Small I.D.'s create higher back pressures, lower flows, and small retained volume. Typically hose I.D.'s are selected for:
   a. System Pressure Balance. “A” pressure drop versus “B” pressure drop.
   b. Volume Balance. A:B volume ratio versus Hose retained volume.
   c. Flexibility and weight for operator or robot.
   d. Overall Pressure Drop. Pressure drop should be minimum possible within the above guidelines.
5. **Length:** Hoses normally are kept as short as practical to minimize pressure drop and compressible volume. 10 ft (3.1 m) is recommended for reciprocating pump systems.

System Start-up

NOTE: See **Nose Piece Orientation**, page 8.

When initially loading the fluids through the system, leave the mixer off until both fluids flow freely from the nose piece without any air. This prevents cross contamination from having fluid on one side pushing back up the other side.

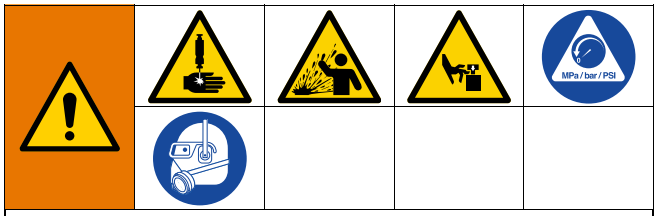
Mixer Selection

Disposable mixers are available from 3/16 in. I.D. to 1/2 in. I.D. in lengths from 12 elements to 36 elements. In general, wide viscosity or mix ratios require more mix elements. Small I.D. mixers produce lower flow, higher back-pressure, and waste little material. Large I.D. mixers produce higher flow, lower back-pressure, and fewer lead-lag ratio errors. Different mixers can have differing snuff-back characteristics.

Operation

Pressure Relief Procedure

Follow the Pressure Relief Procedure whenever you see this symbol.



This equipment stays pressurized until pressure is manually relieved. To help prevent serious injury from pressurized fluid, such as skin injection, splashing fluid and moving parts, follow the Pressure Relief Procedure when you stop spraying and before cleaning, checking, or servicing the equipment.

This procedure describes how to relieve pressure from the dispense valve only. See the supply system manual for instructions on relieving pressure from the entire system.

1. Shut off material supply.
2. Close the bleed-type master air valve (required in your system).
3. Hold a metal part of the valve firmly to the side of a grounded metal pail, and activate the dispense valve to relieve pressure.
4. Shut off the air to the dispense valve, if applicable.
5. If you suspect that the dispense needle or hose is completely clogged, or that pressure has not been fully relieved after following the steps above, very slowly loosen the hose end coupling and relieve pressure gradually, then loosen completely. Now clear the needle or hose.

Air Port and Air Pressure Checking

- Be sure the air supply lines are connected correctly to the Open (I) and Close (O) air ports.
- To open or close the valve and maintain the open or closed status, a minimum of 40 psi (280 kPa, 2.8 bar) air pressure must be supplied and maintained at the Open (I) or Close (O) port.
- Apply and maintain air pressure to the Open (I) air port, and remove air pressure from the Close (O) air port to open the valve.
- Apply and maintain air pressure to the Close (O) air port, and remove air pressure from the Open (I) air port to close the valve.

Ratio Checking

The output mix ratio of your proportioner can be checked by dispensing the two fluids separately out of the nose piece into tared cups. The cups can then be weighed and the weights divided to get the mix ratio by weight.

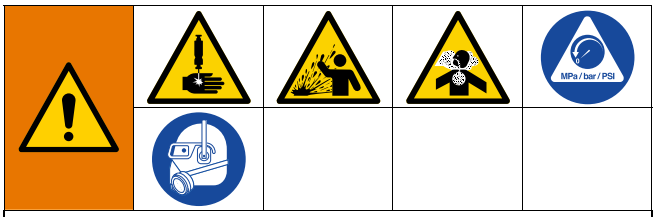
Use ratio check nozzles 26D985 with 18F969 clamp for 1:1 models, or 26D893 for 10:1 models to make ratio checks.

Ratio checks provide information on the ratio of an overall sample. Transient problems (soft spots) caused by starting and stopping the flow (lead-lag) may not show up in this kind of ratio check. Physical tests of the mixed fluid are the best check of correct ratio and mix quality.

Maintenance

Daily Shutdown

When you are through using the valve, the outlet to the mixer should be cleaned and protected from drying or crystallization.



This equipment stays pressurized until pressure is manually relieved. To help prevent serious injury from pressurized fluid, such as skin injection and splashing, keep fingers and other body parts away from the spray tip.

To avoid injury from toxic fluids or fumes, such as splashing in the eyes or on skin, wear appropriate personal protective equipment.

1. Perform the **Pressure Relief Procedure**, page 11.
2. Remove and properly dispose of the static mixer.
3. To clear any crossover in the nose piece, dispense a shot of material into a grounded metal pail by holding a metal part of the valve firmly to the side of a grounded metal pail, and activate the dispense valve.
4. Wipe the nose piece with a clean rag being careful not to let the materials contact each other.
5. Install the PTFE night cap (1:1 valves - 15K652, 10:1 valves - 18F985) and clamp (18F969).

Preventive Maintenance

There is a grease filled secondary seal/bearing area on each valve shaft. Every 10,000 cycles, or twice each month, new grease should be flushed across this area.

To grease the valve:

1. Remove the zerk grease fitting from each side of the front or back of the valve.
2. Pump grease (115982) with grease gun (117792) across the valve until clean grease comes out of the other side.
3. Reinstall the zerk grease fitting.

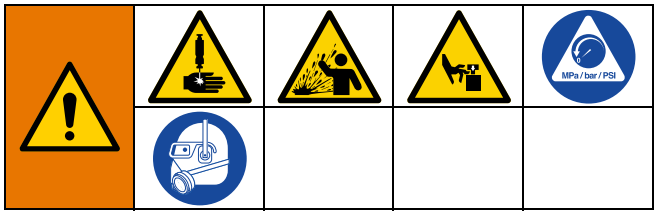
Recycling and Disposal

End of Product Life

At the end of the product's useful life, dismantle and recycle it in a responsible manner.

- Perform the **Pressure Relief Procedure**, page 11.
- Drain and dispose of fluids according to applicable regulations. Refer to the material manufacturer's Safety Data Sheet.
- Deliver remaining product to a recycling facility.

Troubleshooting



1. Follow **Pressure Relief Procedure**, page 11, before checking or repairing the valve.
2. Check all possible problems and causes before disassembling gun.

Problem	Cause	Solution
Valve does not open.	Insufficient air pressure.	Turn on air or increase air pressure.
	Air not exhausted from the front side of air cylinder piston.	Use 4-way, relieving type air valve.
Valve does not close and leaks.	Insufficient air pressure.	Turn on air or increase air pressure.
	Air not exhausted from the back side of air cylinder piston.	Use 4-way, relieving type air valve.
	Blockage between needle and seat.	Remove and clean needle and seat.
	Damaged or missing gasket between seat and housing (hard seat only).	Replace gasket.
	Damaged or worn needle or seat.	Replace both the needle and seat.
Higher than normal back pressure.	Nose piece is clogged.	Remove and clean.
	Mixer is curing.	Replace mixer.
Soft spots in mixed material.	Nose piece is clogged on one side.	Remove and clean.
	System is not properly balanced.	Balance system with hoses, check valves, restrictors.
	High static pressures build when valve shuts off.	Turn off proportioner pump when valve closes.

Repair

Disassembly

This equipment stays pressurized until pressure is manually relieved. To help prevent serious injury from pressurized fluid, such as skin injection and splashing, keep fingers and other body parts away from the spray tip.

To avoid injury from toxic fluids or fumes, such as splashing in the eyes or on skin, wear appropriate personal protective equipment.

1. Follow **Pressure Relief Procedure**, page 11.
2. Disconnect the valve from the system.

NOTE: In the following steps, keep the parts from the A side and B side separate to prevent cured material from forming on them.

3. Loosen clamp (31) ball nut, then remove the mixer cover (29).
4. Remove the four nose piece screws (19), and pull the nose piece (27) away from the valve,
5. Remove the insert (25), then remove the o-rings (20) from the inlet housing (14).
6. Use a 3/32 in. pin punch to remove the needle (23), then remove the seats (24) and gaskets (26) from the inlet housing (14). See FIG. 3.

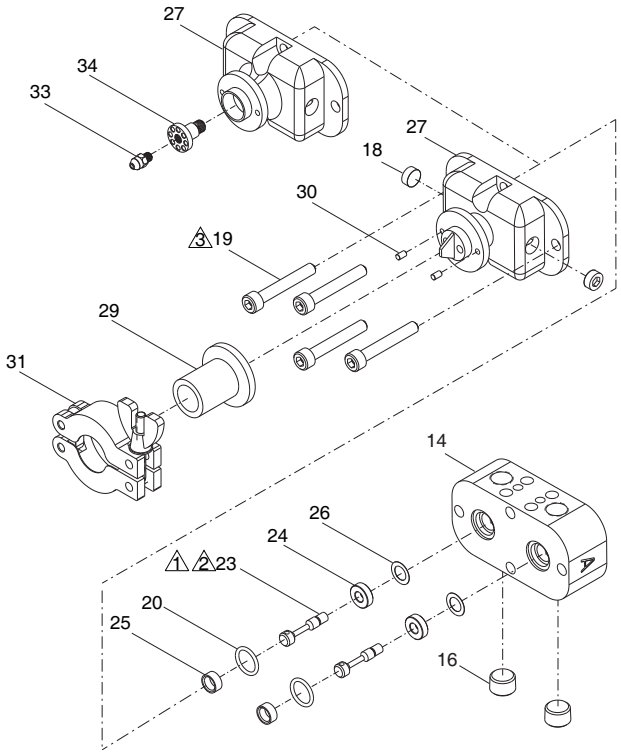


FIG. 3

7. Slide the inlet housing (14) off of the air cylinder (2), and remove the seals (15). See FIG. 4.
8. Remove the bearings (11), bearing o-rings (13), and secondary fluid seals (12).

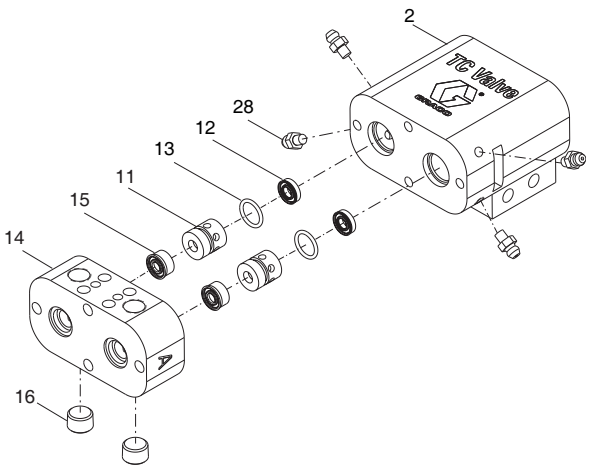


FIG. 4

9. Remove the retaining ring (1) from the back of the air cylinder (2). Push the two shafts (5) into the air cylinder (2) to dislodge the air cylinder cap (21). See FIG. 5.

10. Push the two shafts (5) to dislodge the piston (9) assembly from the air cylinder (2).

11. Use an o-ring pick to remove the o-rings (22) and use a screwdriver to remove the sleeve bearings (7) from the air cylinder (2).

12. Remove the o-rings (6) from the piston (9) and the o-rings (17) from the air cylinder cap (21).

13. Remove the lock nuts (3), the pin (8), and the o-rings (4) from the shaft (5).

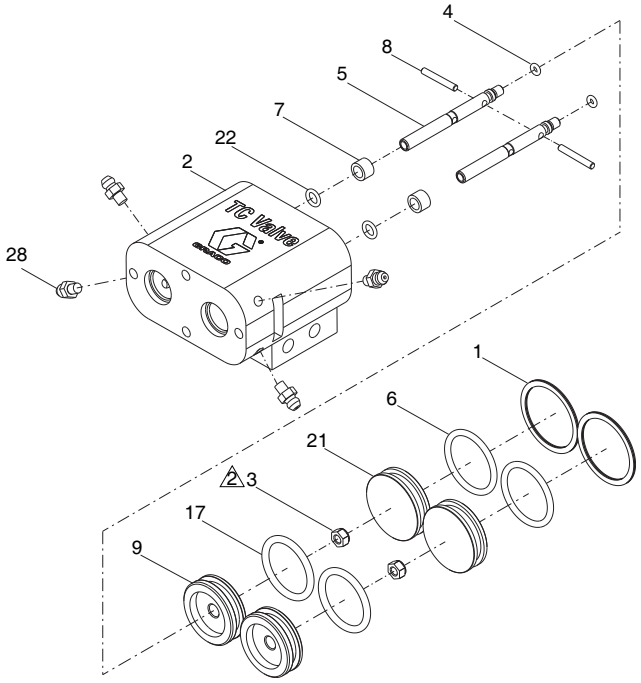


FIG. 5

Reassembly

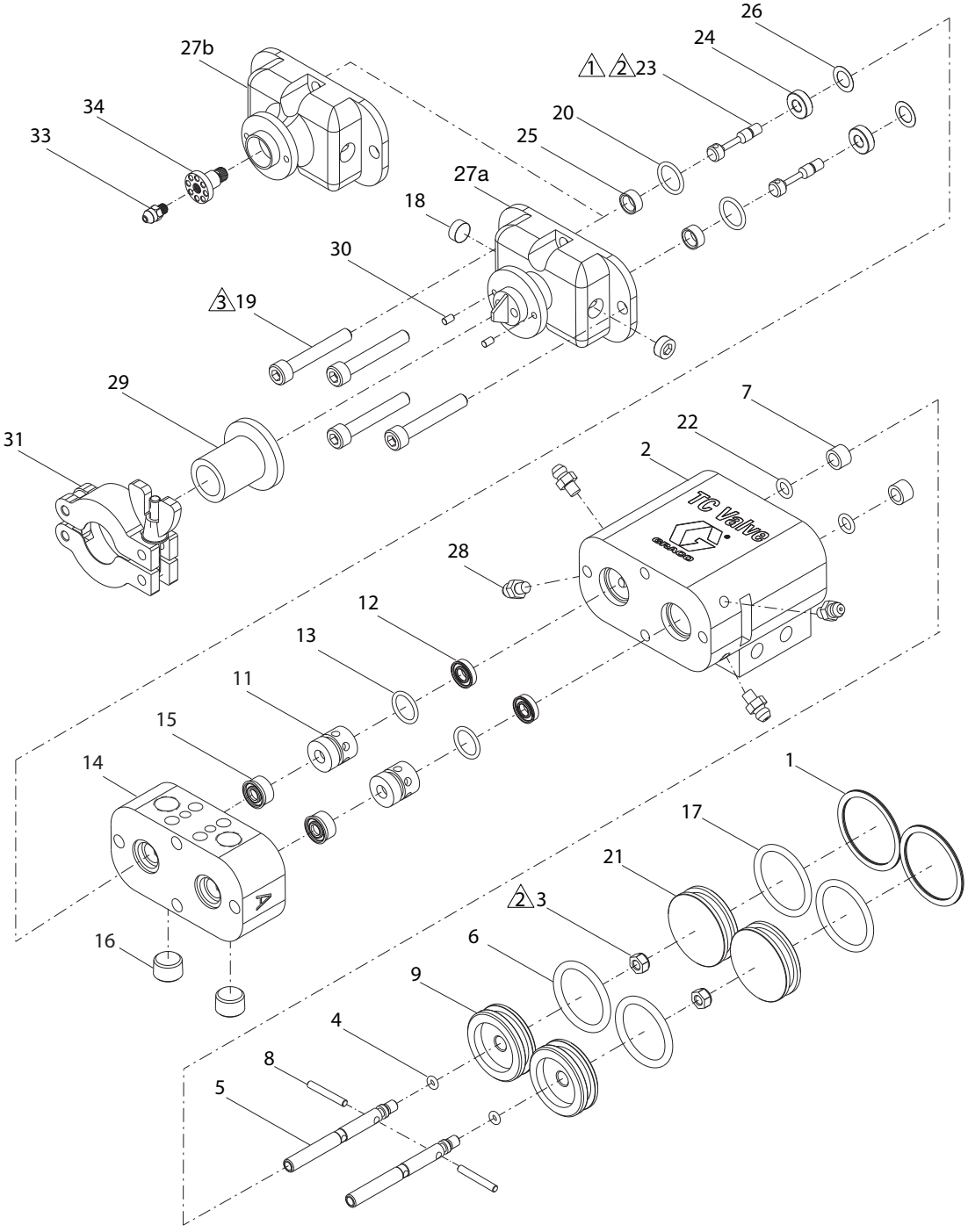
Air Cylinder Section

1. Lubricate the shaft o-rings (22) and the bearings (7). Insert o-rings into the air cylinder (2). See FIG. 5.
2. Press the bearings (7) flush into the air cylinder housing (2), trapping the o-rings (22).
3. Lubricate and reassemble the piston assembly: piston (9), o-ring (6), dowel pin (8), nuts (3), o-ring (4), and air cylinder shafts (5). Tighten nuts (3) to 25-30 in-lb (2.8-3.4 N•m). The shafts (5) should hang with some play to be self-aligning in the bearing.
4. Lubricate the air cylinder (2) ID. Push the piston (9) assembly into the air cylinder.
5. Lubricate and assemble the o-ring (17) onto cap (21). Push cap (21) into the air cylinder (2).
6. Install the outside retaining ring (1).

Fluid Section

1. Lubricate the bearings (11), the o-rings (13) and seals (12, 15). Put the o-rings (13) on the bearings. Carefully insert the seals (12) into the bearing recess, with the lips of the seals facing into the bearing. Be careful not to damage the seal lips. See FIG. 4.
2. Push the bearings (11) into the air cylinder (2).
3. Grease the inlet housing (14) and insert the seals (15) into the inlet housing (14) with the spring facing out of the fluid inlet.
4. Insert the gaskets (26), seats (24), and the o-rings (20) into the inlet housing (14). See FIG. 3.
5. Screw in the needle (23) and tighten it to 25-30 in.-lb (2.8-3.4 N•m).
6. See **Nose Piece Orientation**, page 8. Install the nose piece (27) with the insert (25) and nose piece screws (19). Tighten the nose piece screws to 115-120 in-lb (14-15 N•m).
7. **For 26D920 and 26D921,** Install injector tube (34) and torque to 40-50 in-lb (4.5-5.6 N•m).
8. **For 26D920 and 26D921,** Install injector tip (33) and torque to 25-30 in-lb (2.8-3.4 N•m).
9. Insert the mixer cover (29) with clamp (31) and tighten the clamp ball nut.
10. Remove zerk grease fitting (28). Fill grease in the grease port below until grease begins to exit where the zerk grease fitting (28) was located. Repeat for the other zerk grease fitting (28). See FIG. 5.

Parts



1 Apply adhesive.

2 Torque to 25-30 in.-lb (2.8-3.4 N•m).

3 Torque to 115-120 in.-lb (14-15 N•m).

Ref.	Part	Description	Quantity			
			26D918	26D919	26D920	26D921
1	18F971	RING, retainer	2	2	2	2
2	18F955	HOUSING, air cylinder	1	1	1	1
3	102920	NUT, lock	2	2	2	2
4†✓✚	157628	PACKING, o-ring, buna-n	2	2	2	2
5✓	15K421	SHAFT, primary	2	-	2	-
✚	18F856	SHAFT, piston, MD2	-	2	-	2
6†	18F954	O-RING, ID 28.17, wire, 3.53	2	2	2	2
7†	551181	BEARING, sleeve 1/4, 3/8, 1/4 nylon	2	2	2	2
8	18F956	PIN, dowel, 1/8" x 0.9 SST	2	2	2	2
9	18F957	PISTON, primary	2	2	2	2
11	18F958	BEARING, seal, TC	2	2	2	2
12✓✚	551191	PACKING, u-cup urt 1/4, 1/2,1/8 ur	2	2	2	2
13✓✚	113746	PACKING, o-ring	2	2	2	2
14	18F959	HOUSING, inlet, block	1	1	1	1
15✓	551190	SEAL, u-cup polymt 1/4,1/2,1/4	2	-	2	-
✚	18F858	PACKING, u-cup, 1/4 x 1/2 x 1/4, HW	-	2	-	2
16	18F960	PLUG, 1/4 npt	4	4	4	4
17†	18F961	O-RING, ID 29.4 mm x 3.1mm	2	2	2	2
18	18F962	PLUG 1/8 npt	6	6	6	6
19	18F963	SCREW, M6 x 1-45, socket	4	4	4	4
20✤☆	104319	PACKING, o-ring	2	2	2	2
21	18F964	CAP, air cylinder, direct	2	2	2	2
22†	156454	PACKING, o-ring	2	2	2	2
23✤	626062	NEEDLE, 2K2 SST hardened	2	-	2	-
☆	26D829	NEEDLE, HW	-	2	-	2
24✤☆	185467	SEAT, valve	2	2	2	2
25✤☆	626060	INSERT, suff-back, 2K2	2	2	2	2
26✤☆	171860	GASKET, seat	2	2	2	2
27a	18F965	HOUSING, nose, clamp, 1:1	1	1	-	-
27b	18F966	HOUSING, nose, clamp, 10:1	-	-	1	1
28	120892	FITTING, grease	4	4	4	4
29	18F967	COVER, mixer	1	1	1	1
30	18F968	PIN, od 3 mm x 5 mm	2	2	2	2
31	18F969	CLAMP, seal ring	1	1	1	1
33	15V623	TIP, injector	-	-	1	1
34	15V624	TUBE, injector	-	-	1	1

† *Parts included in Valve Air Cylinder Repair Kit 273354 (purchase separately).*

✓ *Parts included in Valve Lube Seal Repair Kit 273355 (purchase separately).*

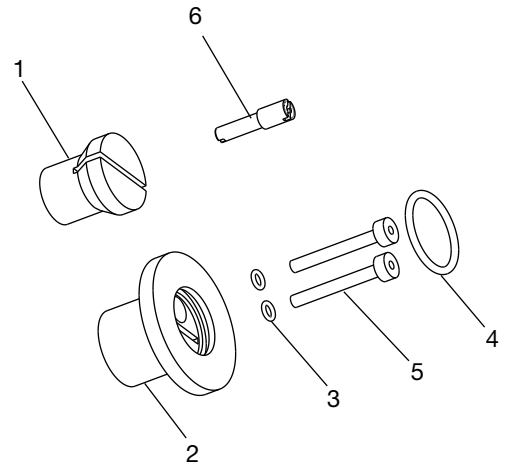
✚ *Parts included in Valve Lube Seal, HW Repair Kit 2002566 (purchase separately).*

✤ *Parts included in Front Valve Repair Kit 273356 (purchase separately).*

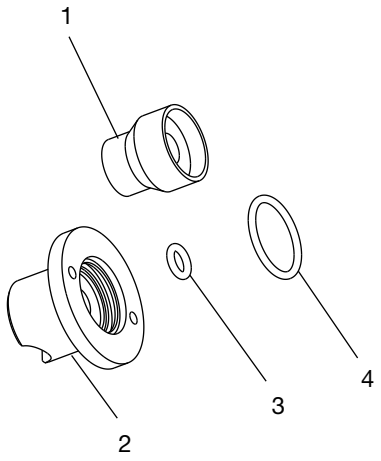
☆ *Parts included in Front Valve, HW Repair Kit 2002567 (purchase separately).*

Kits and Accessories

Nose Piece



1:1 Ratio



10:1 Ratio

FIG. 6

Ref.	Part No.		Description	Notes
	1:1 Ratio	10:1 Ratio		
1	15K652	18F985	Nightcap	PTFE cap to protect the outlet when not in use
2	18G053*	18F972†	Ratio check nozzle	Splits the flow on valves to facilitate ratio checks
3	18G055*	111516†	O-ring, ratio check nozzle, small	
4	117610*	117610†	O-ring, ratio check nozzle, large	
5	18G054*	---	Pin, see **Pin, 2002220**, page 21	
6	18F970	---	Orifice, see **Orifice, 2002219**, page 21	
7	---	258687	Check tip	Assembly for low volume side material that is very thin
8	---	256793	Tool	Assembly tool to aid in the installation and removal of injector tube 15V623

* *Parts included in 1:1 Ratio Check Kit 26D985 (purchase separately).*

† *Parts included in 10:1 Ratio Check Kit 26D893 (purchase separately).*

Pin, 2002220

Impingement Port Size	Part No.
0.3 mm	2002207
0.4 mm	2002208
0.5 mm	2002209
0.6 mm	2002210
0.7 mm	2002211
0.8 mm	2002212
0.9 mm	2002213
1.0 mm	2002214
1.2 mm	2002215
1.5 mm	2002216
1.8 mm	2002217
2.0 mm	18G054

NOTE: Pin kit 2002220 includes two sets of full-size pins.

Orifice, 2002219

Impingement Port Size	Part No.
0.3 mm	2002195
0.4 mm	2002196
0.5 mm	2002197
0.6 mm	2002198
0.7 mm	2002199
0.8 mm	2002200
0.9 mm	2002201
1.1 mm	2002202
1.2 mm	2002203
1.5 mm	2002204
1.8 mm	2002205
2.0 mm	18F970
2.5 mm	2002206

NOTE: Orifice kit 2002219 includes two sets of full-size orifices.

Solenoid Valve, 2000365

For use with remote version of the TC valve.

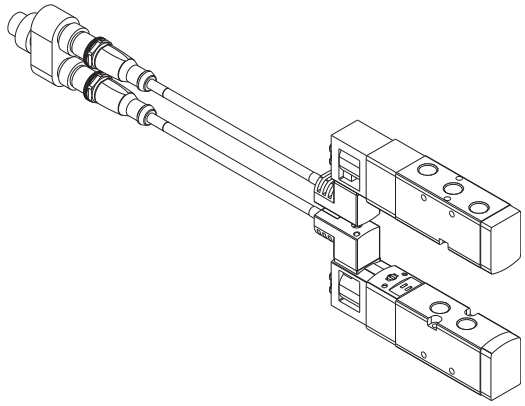
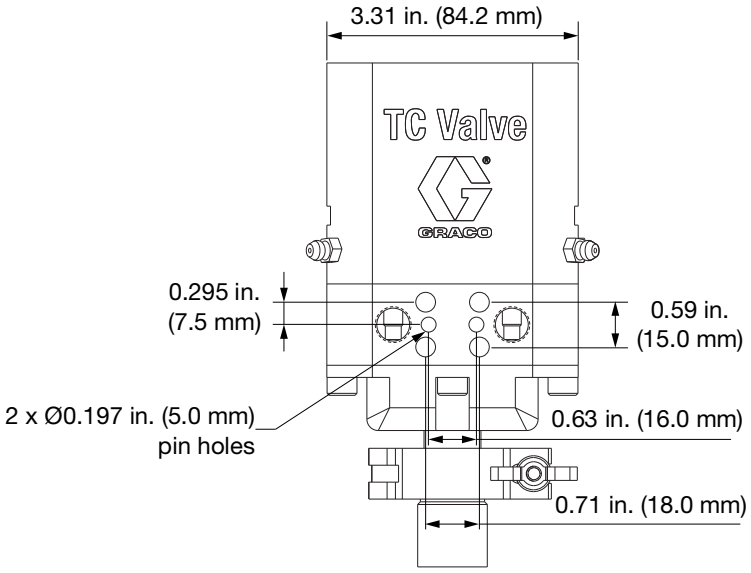


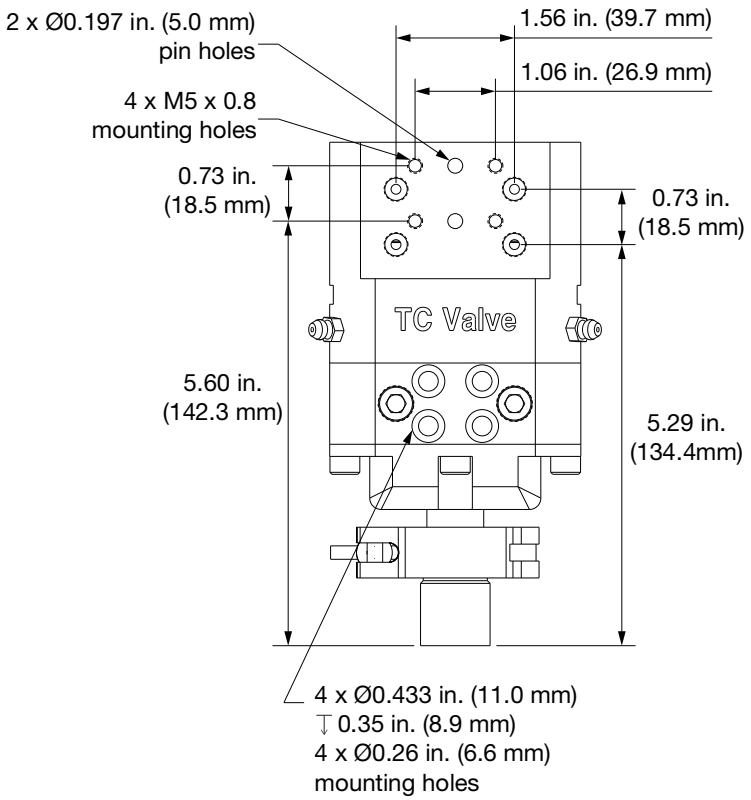
FIG. 7

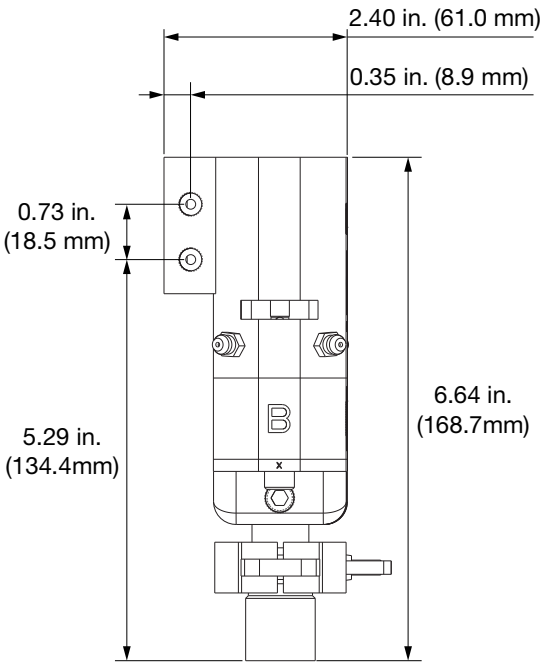
Static Mixer Package

Part	Description
2000546	MIXER, 05-24T
2000547	MIXER, 06-24T
2000548	MIXER, 10-24T
2000549	MIXER, 10-18T
2000550	MIXER, 13-24T
2000137	MIXER, 08-24T
2001498	MIXER, 05-32T
2001499	MIXER, 13-32T
2000551	SHROUD, clamp, mixer, MS 05-24T
2000552	SHROUD, clamp, mixer, MS 06-24T
2000553	SHROUD, clamp, mixer, MS 10-24T
2000554	SHROUD, clamp, mixer, MS 10-18T
2000555	SHROUD, clamp, mixer, MS 13-24T
2000328	SHROUD, clamp, mixer, MS 08-24T

Dimensions


3.31 in. (84.2 mm)
TC Valve
GRACO
0.295 in.
(7.5 mm)
0.59 in.
(15.0 mm)
2 x Ø0.197 in. (5.0 mm)
pin holes
0.63 in. (16.0 mm)
0.71 in. (18.0 mm)


2 x Ø0.197 in. (5.0 mm)
pin holes
1.56 in. (39.7 mm)
1.06 in. (26.9 mm)
4 x M5 x 0.8
mounting holes
0.73 in.
(18.5 mm)
0.73 in.
(18.5 mm)
TC Valve
5.60 in.
(142.3 mm)
5.29 in.
(134.4mm)
4 x Ø0.433 in. (11.0 mm)
↧ 0.35 in. (8.9 mm)
4 x Ø0.26 in. (6.6 mm)
mounting holes


2.40 in. (61.0 mm)
0.35 in. (8.9 mm)
0.73 in.
(18.5 mm)
B
6.64 in.
(168.7mm)
5.29 in.
(134.4mm)

Technical Specifications

TC Dispense Valve		
	US	**Metric**
Maximum Fluid Pressure	3000 psi	20.7 MPa, 207 bar
Maximum Cylinder Air Pressure	120 psi	0.84 MPa, 8.4 bar
Air Inlets (open (I) and close (O) ports)	1/8 npt (f)	
Fluid Inlets Size	1/4 npt (f) thread “A” and “B”	
Fluid Outlet Size	outlet with clamp	
Fluid Viscosity Range		
Hard Seats	20-1 million cps	
Fluid Section Sealing	Isolation chamber with zerk fittings and dual seals.	
Weight		
26D918 / 26D919 (1:1 valves)	4.41 lb	2.0 kg
26D920 / 26D921 (10:1 valves)	3.97 lb	1.8 kg
Wetted Parts		
Stainless Steel Valve	303 SST, 304 SST, 6061-T6, 17-4 SS, UHMWPE, PEEK, Chemical Resistant O-rings, 440C SS and C2 carbide with cobalt binder (hard seat only)	
Notes		
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California Proposition 65

CALIFORNIA RESIDENTS

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Original instructions. This manual contains English. MM 3A9283B
Graco Headquarters: Minneapolis
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