

FRP Systems

Proportioners and Guns for Gel Coat and Chop Applications



Consistent ratio for a consistent cure

Raising the bar for high-performance FRP equipment

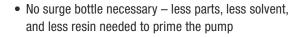
Engineered with industry-proven Graco components, Graco FRP Proportioners and RS^{TM} applicator guns provide you with a system that is technologically advanced, long lasting, and affordable.

Ratio assurance

As you know, not enough catalyst in the mix creates soft spots that take longer to cure. With Graco FRP Proportioners, you're assured of a consistent ratio for a consistent cure – resulting in higher quality parts and end products. In fact, the system is optimized for ratio stability.

Lower cost of ownership

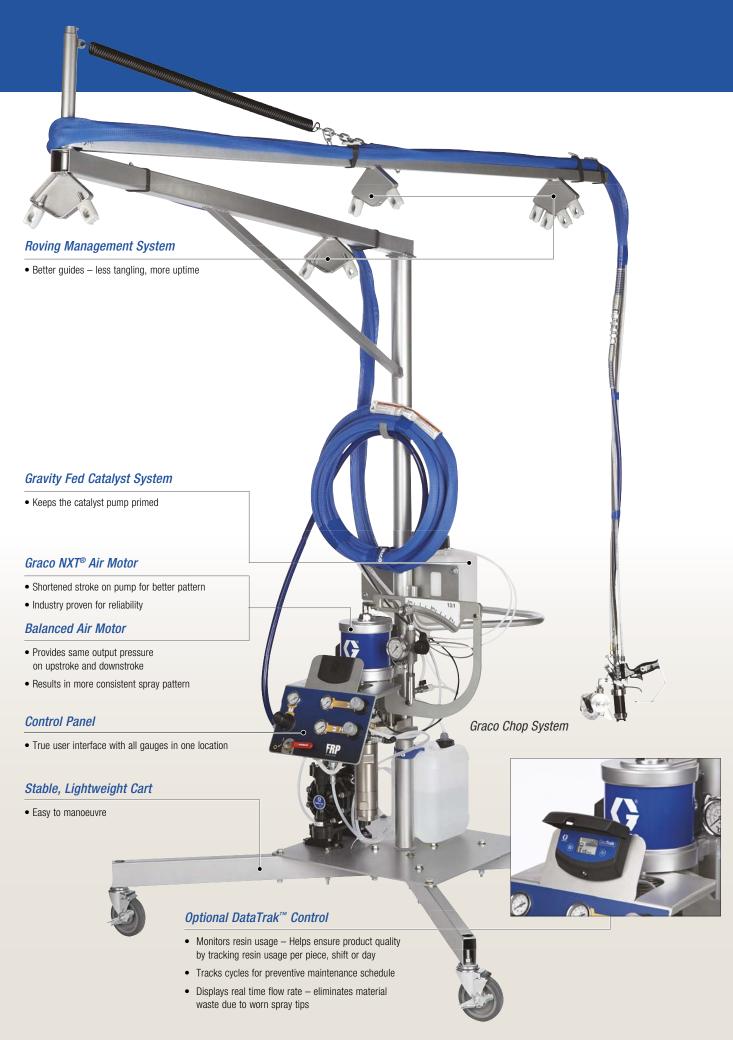
- Easy maintenance fewer repair parts
- · Long-lasting seals mean less downtime for maintenance
- Pumps last longer between planned maintenance





Graco RS Gun





Engineered for superior ratio control



A revolution for the FRP industry

Discover the next generation of gel coat and chop guns

Discover how the Graco RS Resin Spray Gun's revolutionary design and industry-first features can help boost your company's bottom line.

Quick-disconnect front end

- Increases production time, reduces clean-up time
- Easy shutdown procedures simply place front end or whole gun in solvent

Air Assist Containment (AAC®)

- More material on the part, less on the floor saves material costs
- · Promotes a healthier work environment due to less overspray

Lightweight, high-output cutter

- Allows you to get the glass output you need with fewer strands of roving
- Fewer strands of roving means less chance of tangling, easier handling and more uptime
- External anvil adjustment lets you adjust anvil tension to correct cut variations due to anvil and blade wear

Lightweight and ergonomic handle

· Less operator fatigue

Tool-less blade design for more uptime

No tools required – easy to change blades in seconds



Speed control

• Lets you adjust glass output on the fly

Unique needle clamp design

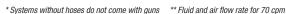
- Designed to retain the factory adjustment
- Eliminates need to adjust needle setting after routine service

Graco RS Chop Guns and Graco RS Gel Coat Guns are both available in internal and external mix models.



System Ordering Information

			No Cart Hose Length*		Ca Hose I	enath*	Cart, Mast and Boom Hose Length*		
			Part #	m (ft)	Part #	m (ft)	Part #	m (ft)	
			16R065	7.6 (25)	16R002	7.6 (25)	16R053	7.6 (25)	
			16R068	10.7 (35)	16R044	10.7 (35)	16R056	10.7 (35)	
		Gel	16R071	15.2 (50)	16R047	15.2 (50)	16R059	15.2 (50)	
	Internal		16R074	(None)	16R050	(None)	16R062	(None)	
	Mix		16R135	7.6 (25)	16R123	7.6 (25)	16R004	7.6 (25)	
		Chop	16R138	10.7 (35)	16R114	10.7 (35)	16R126	10.7 (35)	
13:1 Ratio			16R141	15.2 (50)	16R117	15.2 (50)	16R129	15.2 (50)	
Max Air Consumption**-35 scfm			16R144	(None)	16R120	(None)	16R132	(None)	
Max Fluid Output** – 5.7 lpm (1.5 gpm)	External Mix	Gel	16R030	7.6 (25)	16R001	7.6 (25)	16R018	7.6 (25)	
1.5 gpm)			16R033	10.7 (35)	16R009	10.7 (35)	16R021	10.7 (35)	
			16R036	15.2 (50)	16R012	15.2 (50)	16R024	15.2 (50)	
			16R039	(None)	16R015	(None)	16R027	(None)	
			16R100	7.6 (25)	16R088	7.6 (25)	16R003	7.6 (25)	
			16R103	10.7 (35)	16R079	10.7 (35)	16R091	10.7 (35)	
			16R106	15.2 (50)	16R082	15.2 (50)	16R094	15.2 (50)	
			16R109	(None)	16R085	(None)	16R097	(None)	
			16R205	7.6 (25)	16R006	7.6 (25)	16R193	7.6 (25)	
	Internal	Col	16R208	10.7 (35)	16R184	10.7 (35)	16R196	10.7 (35)	
17:1 Ratio	Mix	Gel	16R211	15.2 (50)	16R187	15.2 (50)	16R199	15.2 (50)	
Max Air Consumption**–35 scfm Max Fluid Output** – 3.8 lpm			16R214	(None)	16R190	(None)	16R202	(None)	
(1 gpm)	External Mix	Gel	16R170	7.6 (25)	16R005	7.6 (25)	16R158	7.6 (25)	
			16R173	10.7 (35)	16R149	10.7 (35)	16R161	10.7 (35)	
			16R176	15.2 (50)	16R152	15.2 (50)	16R164	15.2 (50)	
			16R179	(None)	16R155	(None)	16R167	(None)	





Solvent Flush Kits

16M560 Diaphragm Pump Solvent Flush Kit - 9.5 I (2.5 gal) 16M561 Diaphragm Pump Solvent Flush Kit - 19 I (5 gal) 16M893 Pressure Pot Solvent Flush Kit - 7.6 I (2 gal) 16M894 Pressure Pot Solvent Flush Kit - 19 I (5 gal) 16M874 CE Pressure Pot Solvent Flush Kit - 7.6 I (2 gal)

Heater Kits

16N119 Heater Mount Kit

16N018 Viscon® HP Heater Kit (120V - 4 kW) 16N019 Viscon HP Heater Kit (240V - 4 kW) 16N016 Viscon HP Hazardous Locations Heater Kit (120V - 4 kW) 16N017 Viscon HP Hazardous Locations Heater Kit (240V - 4 kW) 16N014 Viscon Heater Kit (120V - 2.1 kW) 16N015 Viscon Heater Kit (240V - 2.1 kW)

Optional Kits

16M881 DataTrak Upgrade Kit 24M501 19 I (5 gal) Catalyst Tank Kit 16M896 208 I (55 gal) Drum Cart for Cart, Mast and Boom 16M897 208 I (55 gal) Drum Cart for Pole Cart 16M961 Roving Box Kit 16N918 Wall Mount Bracket Kit 16N761 Boom Kit

Hose Kits

16M718 Internal Gel Hose Extension 7.6 m (25 ft) 16M587 Internal Gel Hose Bundle 7.6 m (25 ft) 16M590 Internal Gel Hose Bundle 10.7 m (35 ft) 16M584 Internal Gel Hose Bundle 15.2 m (50 ft) 16M719 External Gel Hose Extension 7.6 m (25 ft) 16M588 External Gel Hose Bundle 7.6 m (25 ft) 16M591 External Gel Hose Bundle 10.7 m (35 ft) 16M585 External Gel Hose Bundle 15.2 m (50 ft) 16M712 Chop Hose Extension 7.6 m (25 ft) 16M586 Chop Hose Bundle 7.6 m (25 ft) 16M589 Chop Hose Bundle 10.7 m (35 ft) 16M583 Chop Hose Bundle 15.2 m (50 ft)

Replacement Outlet Filters 224458 30 mesh, 2-pack

238436 30 mesh, 25-pack 224459 60 mesh, 2-pack 238438 60 mesh. 25-pack 224468 100 mesh (standard option), 2-pack 100 mesh (standard option), 25-pack 238440 224469 200 mesh, 2-pack

238442 200 mesh, 25-pack

Pump Kits and Parts

W17CFS 17:1 Pump Assembly 75 cc SST W13DFC 13:1 Pump Assembly 100 cc CS M07LNL 4.5 in FRP NXT Air Motor 16N238 4.5 in FRP NXT Air Motor - Seal Kit LW100C 100 cc FRP Lower 16N232 100 cc FRP Lower - Seal Kit 16N243 100 cc FRP Lower - Connection Kit LW075S 75 cc FRP Lower 16N231 75 cc FRP Lower - Seal Kit 16N242 75 cc FRP Lower - Connection Kit 16N740 Internal Mix Catalyst Pump Assembly 16N741 External Mix Catalyst Pump Assembly

16N919 Catalyst Pump Rebuild Kit

Gun Ordering Information



RS Guns

258853 RS Internal Mix Gel Coat Gun, includes CST521 tip
 258840 RS External Mix Gel Coat Gun, includes CST521 tip
 258971 RS Internal Mix Chop Gun with Cutter, includes CST443 tip
 258970 RS External Mix Chop Gun with Cutter, includes CST443 tip
 258854 RS Internal Mix Chop Gun without Cutter, includes CST443 tip
 258852 RS External Mix Chop Gun without Cutter, includes CST443 tip



RS Gun Parts

24E512	Cutter assembly
24E448	4-Blade Cartridge Kit, 5-pack
24F602	6-Blade Cartridge Kit, 5-pack
24E449	8-Blade Cartridge Kit, 5-pack
123672	Anvils
16K768	RS RTM and Pour Adapter
24H337	Internal Mix High Flow Kit

24H336 External Mix High Flow Kit 24M569 Roving guide, 2-hole feeder bar

Optional Cutter Chutes

16K759	Open, Short, Adjustable Chute
16K760	Closed, Short, Adjustable Chute
16K762	Open, Long, Adjustable Chute
16K763	Closed, Long, Adjustable Chute
125883	Closed, Long, Wide Chute
125884	Closed Narrow Chute

Head Assemblies

24E426	External Mix Horizontal Front Head Kit
24E427	External Mix Vertical Front Head Kit
24E442	Internal Mix Chop Front Head Kit
24G615	Internal Mix Gel Front Head Kit

Gun Kits

24E415	Solvent AAC assembly fitting kit
24E416	Needle clamp assembly kit
24E417	Complete needle assembly
24E418	Needle repair kit
24E419	Needle AAC kit
24E420	Catalyst Seat Kit
24E421	Resin Seat Kit
24E422	Cutter adapter kit
24E423	Catalyst check valve
24E424	Check valve housing kit
24E425	Trigger air valve kit
24E428	Seat seal, 6-pack
24E435	Tip seal kit, 6-pack
24E436	Needle assembly kit, 6-pack
24E443	Front head internal check valve
24E444	Internal spring check valve kit
24E445	Internal mixer kit
24E446	Front head external check valve kit
24E447	Front head external check valve repair kit

24F706 Chopper Air Shutoff Valve

16N889 Carbide seat kit

Airless Composite Spray Tips (CSTXXX)

	ORIFICE SIZE - INCHES													
	IN	(MM)	0.015	0.017	0.019	0.021	0.023	0.027	0.031	0.035	0.043	0.051	0.061	0.071
_	4	102	215	217	219	221	223	227	231	235				
ר Width	6	152	315	317	319	321	323	327	331	335	343	351		
	8	203	415	417	419	421	423	427	431	435	443	451	461	471
Fan	10	254	515	517	519	521	523	527	531	535	543	551	561	571
	12	305	615	617	619	621	623	627	631	635	643	651	661	671

Impingement Composite Spray Tips (CSTXXX)

		_			-								
	ORIFICE SIZE - INCHES												
	IN	(MM)	0.018	0.021	0.036	0.042	0.052	0.062	0.070	0.081			
	6	152	S31	S32	S33	S34	S35	S36	S37				
£	8	203	S41	S42	S43	S44	S45	S46	S47				
Width	10	254	S51	S52	S53	S54	S55	S56	S57, T57	S58			
Fan \	12	305	S61	S62	S63	S64	S65	S66, T66	S67	S68			
ш	14	356	S71	S72	S73	S74	S75	S76	S77	S78			
	16	406	S81	S82	S83	S84	S85	S86	S87	S88			
	18	457	S91	S92									

HOW TO READ A COMPOSITE SPRAY TIP NUMBER

Airless Composites Spray Tips - For example: CST521

- 1. The first three letters (CST) = Composite Spray Tip.
- The 4th digit indicates pattern width code.
 Double this number to get the pattern width at 12 inches.
 In this case, 5 equals a 10-inch spray pattern width at a 12-inch spraying distance.
- 3. The last two digits indicates orifice size. In this case, 21 is equivalent to a .021 diameter orifice.

Impingement Composite Spray Tips - For example: CSTS75

- 1. The first three letters (CST) = Composite Spray Tip.
- 2. The 4th digit indicates S for stainless steel or T for tool steel.
- The 5th digit indicates spray pattern width code.
 Double the number to get pattern width at 18 inches. In this case, 7 equals a 14-inch pattern width at an 18-inch spraying distance.



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.

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