



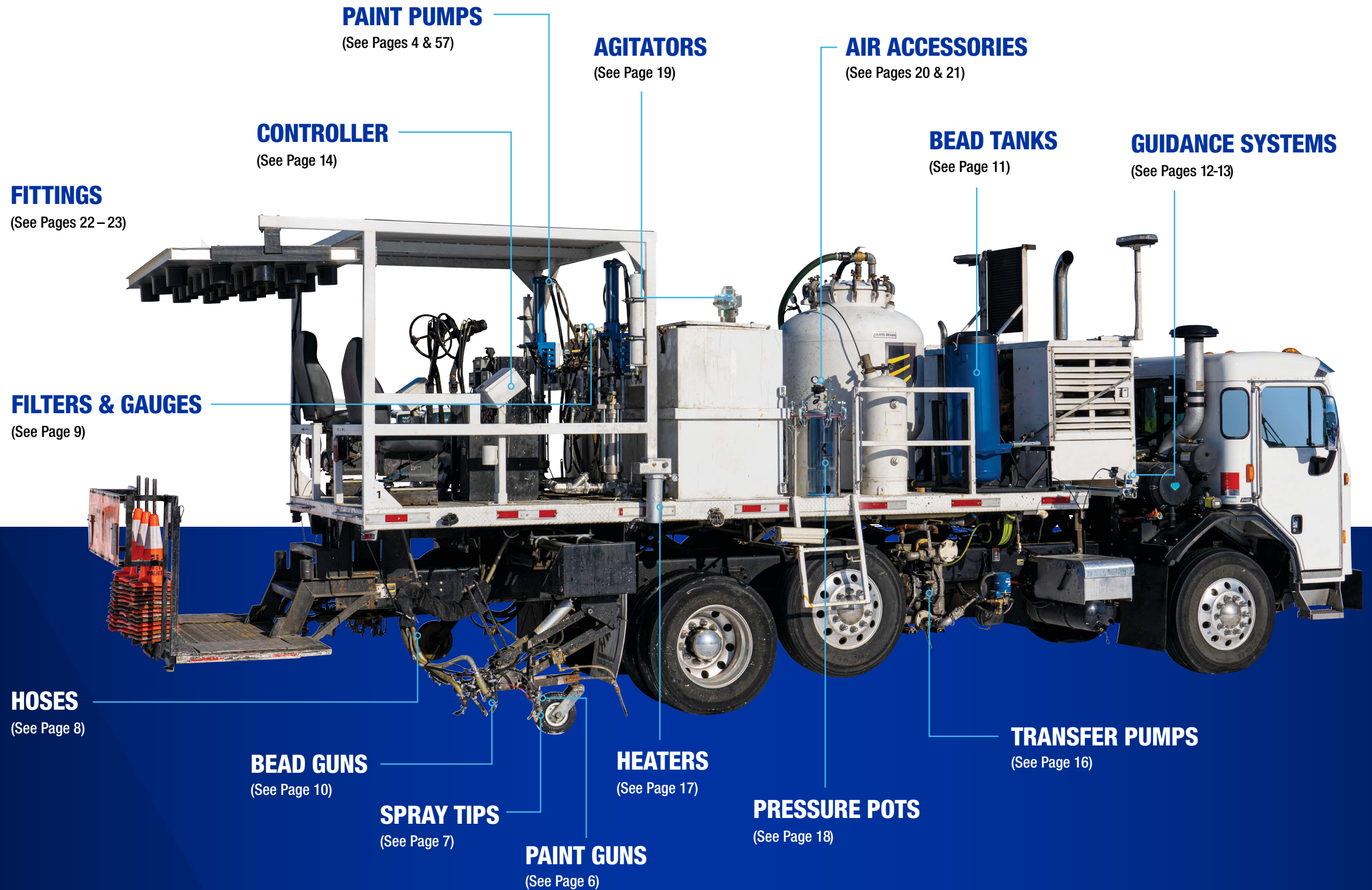
LONG-LINE STRIPING TRUCK SOLUTIONS

Graco's Complete Line of Professional
Striping Solutions



PROVEN QUALITY. LEADING TECHNOLOGY.





ROADLAZER™ HPS HYDRAULIC PUMPING SYSTEM

The RoadLazer HPS are industry-leading pumping systems that provide true market-leading performance for the most demanding long-line striping applications. With an incredibly long 11.25 inch stroke, Xtreme Seal™ packings and Severe Duty pump coating, you are ensured longevity as well; or choose the MaxLife pump coating for even longer life.

GET THE JOB DONE FASTER

Highest Production Rate

- Stripe wider lines at faster speeds – get more miles done in a day!
- 13.5 gpm and 18.0 gpm options available

ACHIEVE CRISP, SHARP LINES

Consistent Paint Delivery

- Ultra-fast change-over eliminates line width fluctuations

SPEND MORE TIME STRIPING

Long Stroke, Long Life

- Incredibly long 11.25 inch stroke means more paint per stroke and longer overall pump life

FITS ANYWHERE

Small Footprint

- Slim design will fit into any long-line truck application



TROUBLE-FREE

No-Stall Hydraulic System

- Precision machined parts and ultra-fast change-over is stall-free – eliminating down-time

SEALED HYDRAULIC SYSTEM

100% O-Ring Sealed Design

- All connections are o-ring sealed – eliminating the possibility of hydraulic fluid leaks

KEEPS YOU PUMPING

Adjustable Wet Cup

Extend your packing life by manually tightening the wet cup

FAST REPAIRS

- Quickly swap out your pump with just a few simple tools

OVER-SIZED PORTING

Hi Flo™ Porting

- Less restrictions results in less pressure drop and higher performance



HIGH-PRESSURE PACKINGS

Xtreme Seal™ Packing

- Durable packing stack for extended time between repacks
- U-Cup packing design effectively seals under high pressure

LONGEST-LIFE COATINGS

Severe Duty® Coating

- Hard Chrome over Stainless Steel for extended life with aggressive traffic coatings

MaxLife® Coating

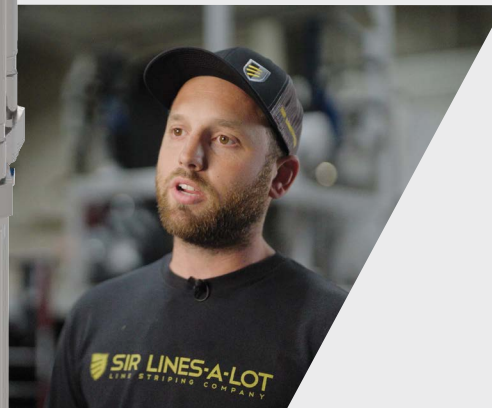
- Achieve 3X Life over Severe Duty Coating

WHAT CONTRACTORS ARE SAYING...



"You get a nice smooth line, nice crisp edges. You don't get any ticking in and out with change-overs."

Steve Arseneau, – Sir Lines-A-Lot, Edina, MN



graco.com/roadlazerhps-testimonial

DESCRIPTION	PART #
RoadLazer HPS 135 w/ Dura-Flo XL 1000cc Severe-Duty	25U989
RoadLazer HPS 135 w/ Dura-Flo XL 1000cc MaxLife	26D813
RoadLazer HPS 180 w/ Dura-Flo XL 1400cc Severe-Duty	26D809
RoadLazer HPS 180 w/ Dura-Flo XL 1400cc MaxLife	26D814



Dura-Flo XL 1000cc Severe Duty

Dura-Flo XL 1000cc MaxLife

Dura-Flo XL 1400cc Severe Duty

Dura-Flo XL 1400cc MaxLife

DESCRIPTION	PART #
Dura-Flo XL 1000cc Severe-Duty	25V502
Dura-Flo XL 1000cc MaxLife	25V506
Dura-Flo XL 1400cc Severe-Duty	25V505
Dura-Flo XL 1400cc MaxLife	25V507

PAINT GUNS

Because of their high-quality and trouble-free design, Graco's Automatic Paint Guns and Manual Flex Gun are the go-to guns for striping contractors around the world.

AUTOMATIC GUNS

SINGLE-ACTING GUN – 238377

- Simple design – turn on with air and spring return for shutoff

DOUBLE-ACTING GUN – 24G980

- Air actuated 'on' and 'off' – allowing for total control of the gun with crisp shut-offs



FLEX PLUS™ GUN – 248157

PATENTED NEEDLE DESIGN

- Factory-set needle – no adjustment ever
- Heavy-duty design for maximum performance and long life

JOBSITE PROVEN

- Perfect for the full range of traffic marking materials

ERGONOMIC DESIGN

- Form-fitting handle provides maximum control and comfort while spraying
- Optimized trigger and lightweight design allows effortless, all-day spraying



MANUAL STENCIL GUN – 24G778

Ideal for stencil applications. Can be used with Stencil Bead Gun – 238957 (See page 12).

RAC® SWITCHTIP™

CONTRACTOR-PREFERRED PERFORMANCE

For over 20 years, professional striping contractors worldwide have trusted the industry-proven quality and long life of RAC SwitchTips. Every tip is built to the highest standards and 100% tested for flow rate to consistently product clean, sharp lines every time.

WORN TIPS COST TIME AND MONEY

- A worn tip uses more paint
- Produces uneven coverage and inconsistent mil build
- Reduces production efficiency
- Results in poor, imperfect lines

RAC 5 SWITCHTIPS (LL5xxx)



		ORIFICE SIZE									
		IN	MM	.025	.027	.029	.031	.033	.035	.039	.055
LINE WIDTH	4		(102)	325	327	329	331	333	335		355
	4-8		(102-204)	425	427	429	431		435		
	8-12		(204-305)	625	627	629	631		635	639	
	FLOW RATE (GPM)			.67	.77	.90	1.03	1.17	1.31	1.63	3.25
	FLOW RATE (LPM)			2.54	2.96	3.42	3.90	4.42	4.98	6.18	12.29
	RECOMMENDED FILTER SIZE			50	50	50	30	30	30	30	30

RAC XHD SWITCHTIPS (XHDxxx)



		ORIFICE SIZE														
		IN	MM	.025	.027	.029	.031	.033	.035	.037	.039	.041	.043	.045	.047	.049
FAN WIDTH	2		(102-152)	225	227	229	231		235		239					
	4		(152-203)	325	327	329	331	333	335	337	339	341	343	345	347	
	4-8		(203-254)	425	427	429	431	433	435	437	439	441	443	445	447	449
	8-10		(254-305)	525	527	529	531	533	535	537	539	541	543	545	547	549
	10-12		(305-356)	625	627	629	631	633	635	637	639	641	643	645	647	649
	FLOW RATE (GPM)			.67	.77	.90	1.03	1.17	1.31	1.47	1.63	1.8	1.98	2.17	2.37	2.58
FLOW RATE (LPM)			2.54	2.96	3.42	3.90	4.42	4.98	5.56	6.18	6.83	7.51	8.23	8.98	9.76	
RECOMMENDED FILTER SIZE			50	50	50	30	30	30	30	30	30	30	30	30	30	

		ORIFICE SIZE														
		IN	MM	.051	.053	.055	.057	.059	.061	.063	.065	.067	.069	.071	.075	.081
FAN WIDTH	2		(102-152)													
	4		(152-203)	351		355										
	4-8		(203-254)	451		455		459	461	463	465	467		471	475	481
	8-10		(254-305)	551	553	555	557		561		565	567		571	575	
	10-12		(305-356)	651		655	657	659	661	663	665	667	669	671	675	
	FLOW RATE (GPM)			2.79	3.05	3.25	3.49	3.74	4.0	4.26	4.53	4.82	5.11	5.41	6.04	7.04
FLOW RATE (LPM)			10.57	11.41	12.29	13.20	14.14	15.12	16.13	17.17	18.24	19.34	20.48	22.85	26.66	
RECOMMENDED FILTER SIZE			30	30	30	30	30	30	30	30	30	30	30	30	30	

BLUE MAX™ II STRIPING HOSE

As the lightest and most flexible hoses on the market, Graco's Blue Max II hoses are easy to connect and maintain the highest level of performance all the way to the gun. Available in a wide variety of lengths and diameters.



3300 psi (227 bar, 22.7 MPa)
maximum working pressure rated
at 180° F (82.2° C) temperature

LIGHTWEIGHT AND FLEXIBLE

Over 10% lighter weight and increased hose flexibility improves usability while spraying under pressure

HIGHEST SAFETY STANDARDS

Conductive core meets the highest worldwide safety standards, unlike competitive ground wire hose designs

MINIMAL HOSE COIL MEMORY

Superior flexibility and reduced coil memory provides ease of use during coiling and uncoiling

MATERIAL COMPATIBLE

All wetted fittings are e-nickel plated, to hold up to all striping materials

PART #	DIAMETER	LENGTH	FIRST CONNECTION	SECOND CONNECTION
249232	1/4 in	3 ft	1/4 npsm(f)	1/4 npsm(f)
248008	1/4 in	3.6 ft	1/4 npsm(f)	1/4 npsm(f)
245798	1/4 in	7 ft	1/4 npsm(f)	1/4 npsm(f)
249080	1/4 in	50 ft	1/4 npsm(f)	1/4 npsm(f)
191239	3/8 in	11.8 ft	3/8 npsm(f)	3/8 npsm(f)
124884	3/8 in	22 ft	3/8 npsm(f)	3/8 npsm(f)
245225	3/8 in	50 ft	3/8 npsm(f)	3/8 npsm(f)

FILTERS & GAUGES

EASY OUT MANIFOLD FILTERS

- Ensures a quality finish and less tip clogs
- Filters from the inside-out, eliminating collapsed filters

PART #	DESCRIPTION
25A465	50 Mesh Long Filter, Yellow
244071	30 Mesh Long Filter, Gray



IN-LINE STRAINER – 24G774



FILTER ASSEMBLY – 24G986

- E-nickel coated, for use with traffic paints
- High-pressure (5000 psi rated)
- Add fitting 184470 if using on Dura-Flo pumps



STAINLESS STEEL HIGH PRESSURE FLUID GAUGES

BACK MOUNTED GAUGES

- Corrosion Resistant
- 2.5 in (63 mm) diameter dial
- 1/4 in NPT(M) connection
- Back mount
- Shatterproof glass
- Liquid filled to reduce indicator pulsation



BOTTOM MOUNTED GAUGES

- Corrosion Resistant
- 2.5 in (63 mm) diameter dial
- 1/4 in NPT(M) connection
- Bottom mount
- Shatterproof glass
- Liquid filled to reduce indicator pulsation



PART #	DESCRIPTION
113641	0-3000 psi (0-207 bar)
113654	0-5000 psi (0-344 bar)

PART #	DESCRIPTION
105770	0-1000 psi (0-68 bar)
102814	0-5000 psi (0-344 bar)

BEAD GUNS

Because of their high-quality and trouble-free design, Graco's Bead Guns are the go-to guns for striping contractors around the world.

AUTOMATIC GUNS

SINGLE-ACTING GUN – 238338

- Simple design – turn on with air and spring return for shutoff

DOUBLE-ACTING GUN – 24G979

- Air actuated 'on' and 'off' – allowing for total control of the gun with crisp shut-offs



MANUAL STENCIL GUNS

Ideal for stencil applications. Can be used with Stencil Paint Gun – 24G778 (See page 8).

PART #	DESCRIPTION
238957	Hand Bead Applicator Kit (use with EZ Bead™ Pressurized Bead System) – includes 1 bead gun, (2) 3/4 in x 24 ft clear hoses, 0.234 in/0.35 degree tip, 1 ft extension tube, on/off valve, and bracket to mount to paint stencil gun 24G778
19B119	Hand Bead Applicator Kit (use with EZ Bead Pressurized Bead System) - Includes 1 bead gun, (2) 3/4 in x 4 ft clear hoses and all fittings shown



BEAD AND ELEMENT TANKS

- Choose 450 lb tank or 1350 lb tank – depending on the size of your job
- ASME rated
- Easier material loading with large fill spout opening

PART #	DESCRIPTION
24G765	RoadPak 450 lb Bead Tank
24H585	RoadPak Accessory Frame Kit (for use with two 450 lb bead tanks)
25D641	RoadPak 1350 lb Bead Tank (no frame)

BEAD TANKS

Graco has a variety of tank solutions for your reflective beads and elements.



RoadPak Dual 450 lb Bead Tanks with Frame

GUIDANCE SYSTEMS

IMPROVE LINE ACCURACY



FIXED POINTER

- Allows driver to focus on the road ahead – resulting in straighter lines
- Use in conjunction with the Roadview HD Camera System for improved alignment
- When used with the System Delay feature on your Advanced Controller, the pointer becomes your start/stop point – no more looking back at the guns

PART #	DESCRIPTION
24G634	Single Guide System



ARTICULATING POINTER

- Now restriping curves is easy. Simply keep the pointer on the existing line and pointer compensates – resulting in perfect gun placement

PART #	DESCRIPTION
241880	Articulating Pointer



ROADVIEW HD CAMERA SYSTEM

TACKLE LARGER JOBS WITH ONE OPERATOR

The RoadView HD Camera System allows single users to do the jobs once reserved for the big trucks — all from inside the striping vehicle.



TRUE WALK-BEHIND PERSPECTIVE

- Allows driver to see from behind the paint and bead guns
- Mount camera on the gun arm
- Travels from one side of the truck to the other without any adjustments
- Includes additional mounting hardware for application flexibility

JOB FLEXIBILITY WITH MULTIPLE CAMERA OPTIONS

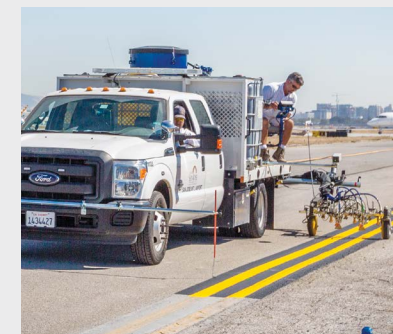
- Connect up to 4 cameras to 1 HD display and quickly toggle through views

PART #	DESCRIPTION
24G633	RoadView HD Camera System
24H555	16 mm HD Camera
24H612	RoadView HD Monitor

LAZERGUIDE™ 3000 LONG-LINE LASER

EASIER, LASER-STRAIGHT LINES

Replace or compliment your mechanical pointer to improve your productivity and accuracy for airports, roads, or anywhere a straight line is needed.



LONGER DISTANCE ACCURACY

- Extend reference point up to 30 feet — not possible with a mechanical pointer

HIGHLY VISIBLE LASER GUIDE

- Quickly locate the laser on all surfaces with Blink Mode

SAFER OPERATION

- Laser is in your natural driving field of view

FASTER, SIMPLE OPERATION

- Increase your maneuverability with no mechanical pointer in the way
- Just line it up and go — no need to leave the truck

PART #	DESCRIPTION
17U930	LazerGuide 3000 Long-Line Laser

ADVANCED CONTROLLER

FAST SETUP, SIMPLE OPERATION



CONVENIENT, PRESET PATTERNS

- Advanced patterns are built into the controller for quick recall

FAST AND EASY PATTERN VERIFICATION

Pattern Preview

- Pattern preview gives a quick visual of colors and patterns selected
- Export capabilities allows for “proof of job”

QUICK GUN ACTIVATION AND CONTROL

5-Gun Toggle Control

- Individual toggle switches provide independent control of each gun
- Spend less time setting up and more time putting down lines

ROADPAK™ MODULES

Graco's RoadPak Modules are a cost-effective alternative to a large long-line truck. These self-contained solutions are ideal for smaller road and airport jobs.

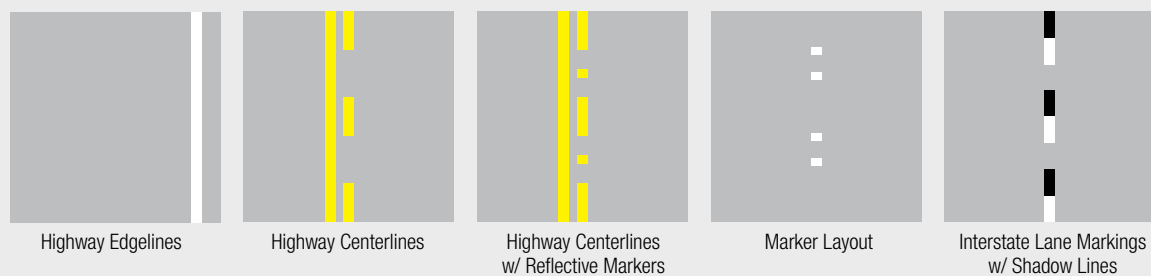


1-Pump RoadPak



2-Pump RoadPak HD

ROAD MARKINGS



PART #	DESCRIPTION
25M701	1-Pump, 5 GPM RoadPak System w/ 450 lb bead tank
25M703	2-Pump, 5 GPM RoadPak System w/ 450 lb bead tank
25M704	2-Pump, 5 GPM RoadPak System w/ 1350 lb bead tank
25M706	2-Pump, 10 GPM RoadPak HD System w/ 1350 lb bead tank

PART #	DESCRIPTION
24S169	Controller Only
25M711	Controller, Cable, Remote Switch and Bracket
25D887	OEM Control and Electrical Components

For more information on RoadLazer RoadPak Systems, see Graco brochure 344405.

HUSKY™ TRANSFER PUMPS

The Husky air-operated double diaphragm pumps features a stall-free low pulsation air valve which provides a smooth and rapid changeover.

The bolt through fluid cover design eliminates leaks and makes the Husky safer with higher reliability.

- Center and end porting options
- No mechanical seals to cause fluid leaks or failures
- Runs quietly at less than 85 dBa with easy-to-use remote muffler capability for even lower noise levels
- Easy-to-service air valve and ball checks
- Operates on as little as 20 psi (1.4 bar, 0.14 MPa)
- Split manifold option to pump multiple fluids without mixing
- Delivery from 50 to 300 gpm
- Easy-to-service air valve and ball checks
- Reliable air valve for years of dependable performance



PART #	PUMP CLASS	FLUID SECTION MATERIAL	INLET/OUTLET PORTS	MAX FLOW RATE
651009	Husky 1050	Stainless Steel	1.0 inch NPT	50 gpm
DB4311	Husky 1590	Stainless Steel	1.5 inch NPT	90 gpm
DF4311	Husky 2150	Stainless Steel	2.0 inch NPT	150 gpm
652830	Husky 3300	Stainless Steel	3.0 inch NPT	300 gpm
647028	Husky 1050	Aluminum	1.0 inch NPT	50 gpm
DB3311	Husky 1590	Aluminum	1.5 inch NPT	90 gpm
DF3311	Husky 2150	Aluminum	2.0 inch NPT	150 gpm
652021	Husky 3300	Aluminum	3.0 inch NPT	300 gpm

ALL THE PUMPS ARE CONFIGURED WITH THE FOLLOWING:

- Aluminum Air Valve w/Buna Seals
- 316 SST Seats
- Teflon Balls
- Teflon Diaphragms
- Teflon O-rings

HEATERS

Viscon® heaters allow for consistent material viscosity even when the outdoor temperature drops – resulting in consistent lines on the road.

VISCON HF

- Variable heating levels for consistent viscosity control
- 7250 psi (500 bar) maximum working pressure
- Stainless steel construction is compatible with all line stripping materials

PART #	DESCRIPTION
24P016	Viscon HF, Non-Haz
262853	Viscon HF, Haz-Loc



PRESSURE POTS

Graco's stainless steel pressure pots are ideal for all road striping materials.

- ASME rated to ensure it meets factory standards
- High quality stainless steel design is compatible with many materials
- 100 psi (7 bar) max pressure



CAPACITY	HEIGHT IN (CM)	WEIGHT LB (KG)	MODEL WITH AGITATOR	MODEL WITHOUT AGITATOR
5 Gallon (19 liter)	30.5 (77.5)	74 (34)	236152	
5 Gallon (19 liter)	30.5 (77.5)	65 (30)		236149
10 Gallon (38 liter)	33.9 (88.0)	85 (39)	236153	
10 Gallon (38 liter)	33.9 (88.0)	76 (35)		236150
15 Gallon (57 liter)	44.6 (113.2)	101 (46)	236154	
15 Gallon (57 liter)	44.6 (113.2)	92 (42)		236151

EXPANDING BLADE AGITATORS DRUM AGITATORS



- Corrosion resistant materials
- Threads into 1.5" or 2" drum bung
- Includes angled adapter reduces vortexing and allows for off center mounting
- Customize configuration by adjusting blade height or by adding additional blade assemblies
- Collapsible blades fit through drum bung and expand when spinning for efficient mixing

PART #	DESCRIPTION	DRIVE	HP	MAX. AIR INPUT PSI (BAR)	MAX. SPEED RECOMMENDED	WETTED PARTS
24C728	Low Viscosity (1,000 cps) air driven expanding blade bung-mounted agitator	Air	1	100 (7)	500 rpm	303, 18-8 and 304 SST
24C729	High Viscosity (2,000 cps) air driven expanding blade bung-mounted agitator	Air	1.75	100 (7)	500 rpm	303, 18-8 and 304 SST

AIR ACCESSORIES

AIR GAUGES



BOTTOM MOUNTED GAUGES

- Black enamel case
- Bottom mount
- 1/8 in NPT and 1/4 in NPT connections

PART #	PRESSURE RANGE / INLET
110436	0-100 psi (0-7 bar) 1/8 in NPT(M)
100960	0-200 psi (0-14 bar) 1/4 in NPT(M)



BACK MOUNTED GAUGES

- Black enamel case
- Black mount
- 1/8 in NPT and 1/4 in NPT connections

PART #	PRESSURE RANGE / INLET
108190	0-100 psi (0-7 bar) 1/8 in NPT(M)
101689	0-200 psi (0-14 bar) 1/4 in NPT(M)

AIR FILTERS

FILTER

- Centrifugal filter element removes contaminants and water
- Visual indicator for viewing filter contents



PART #	INLET/OUTLET	MAX WPR		MAX CFM AT 100 PSI (m3/min)	MICRON ELEMENT	MATERIAL	SIZE (w x h x d) in (cm)
		PSI	BAR				
106150	3/4 (fx)	250	17.2	250 (7.0)	40	Zinc-plated	4.0 x 8.8 x 7.8 (10 x 22 x 20)
112859	1 (fx)	250	17.2	350 (10.0)	40	Zinc-plated	4.5 x 8.8 x 7.9 (12 x 22 x 20)
217074	1/2 (fx)	250	17.2	106 (3.0)	40	Zinc-plated	3.0 x 7.5 x 6.6 (7.6 x 19 x 17)
106148	3/8 (fx)	250	17.2	77 (2.2)	20	Zinc-plated	2.5 x 6.0 x 3.1 (6.4 x 15 x 7.9)
106149	1/2 (fx)	250	17.2	106 (3.0)	20	Zinc-plated	3.3 x 6.8 x 6.3 (8.3 x 17 x 16)

LOW PRESSURE AIR REGULATORS

AIR CONTROLS

- Accurate pressure regulation for consistent process control
- Economical solution for air pressure regulation



PART #	DESCRIPTION	INLET	OUTLET	HANDLE	MAX INLET PRESSURE	MAX CFM
234389	Air regulator with gauge, self-relieving	1/4" npt (m)	1/4" npt (f)	Knob	160 psi (11 bar)	22 CFM at 50 psi (3.5 bar)
234390	Mini-air regulator	1/4" npt (f)	1/4" npt (f)	Knob	160 psi (11 bar)	22 CFM at 50 psi (3.5 bar)
234391	Air regulator, 2 regulated outlets and 1 non-regulated outlet	3/8" npt (f)	1/4" npt (f)	Tee	175 psi (12 bar)	50 CFM at 100 psi (7 bar)
234392	Air regulated, 3 regulated outlets	3/8" npt (f)	1/4" npt (f)	Tee	175 psi (12 bar)	50 CFM at 100 psi (7 bar)
234393	Air regulator 234391 with gauge & shut-off valve, 1 regulated outlet and 1 non-regulated outlet, 0-160 psi (0-11 bar) gauge	3/8" npt (m)	1/4" npt (f)	Tee	160 psi (11 bar)	50 CFM at 100 psi (7 bar)
234394	Air regulator 234392 with gauge & shut-off valve, 2 regulated outlets, 0-160 psi (0-11 bar) gauge	3/8" npt (m)	1/4" npt (f)	Tee	160 psi (11 bar)	50 CFM at 100 psi (7 bar)

HIGH PRESSURE FITTINGS

NIPPLE



PART #	FITTING CONF.	PIPE OR HOSE/TUBE	FITTING TYPE	SWIVEL	JIC OR 37 FLARE	PRESSURE RATING	TYPE OF CONNECTION	FIRST CONNECTION	SECOND CONNECTION	OVERALL LENGTH IN (CM)	MATERIAL
166421	Straight	Pipe	Nipple	No	No	7500 psi (516 bar)	npt(m) x npt(m)	npt - 1/4 npt	npt - 1/4 npt	1.38 (3.5)	416 SST
166469	Straight	Pipe	Nipple	No	No	6000 psi (413 bar)	npt(m) x npt(m)	npt - 3/8 npt	npt - 3/8 npt	1.50 (3.8)	416 SST
166863	Straight	Pipe	Nipple	No	No	5000 psi (344 bar)	npt(m) x npt(m)	npt - 3/8 npt	npt - 1/4 npt	1.38 (3.5)	303 SST
166443	Straight	Pipe	Nipple	No	No	7250 psi (499 bar)	npt(m) x npt(m)	npt - 3/4 npt	npt - 1/2 npt	1.75 (4.4)	303 SST
16F254	Straight	Pipe	Nipple	No	No	4000 psi (276 bar)	npt(m) x unif(m)	npt - 1/4 npt	nps - 5/8 unif	1.63 (4.1)	CS - E-Nickel
16F255	Straight	Pipe	Nipple	No	No	7400 psi (510 bar)	npt(m) x npt(m)	npt - 3/8 npt	npt - 1/2 npt	1.63 (4.1)	CS - E-Nickel

90° ELBOW



PART #	FITTING CONF.	PIPE OR HOSE/TUBE	FITTING TYPE	SWIVEL	JIC OR 37 FLARE	PRESSURE RATING	TYPE OF CONNECTION	FIRST CONNECTION	SECOND CONNECTION	OVERALL LENGTH IN (CM)	MATERIAL
207123	Elbow	Pipe	90°	Yes	No	5000 psi (344 bar)	npt(m) x npt(f)	npt - 3/8 npt	nps - 3/8 npsm	1.06 x 1.91 (2.6 x 4.8)	303 SST
166242	Elbow	Pipe	90°	No	No	4500	npt(m) x npt(f)	npt - 1/2 npt	npt - 1/2 npt	2.09 (5.3)	303 SST
166866	Elbow	Pipe	90°	No	No	9000	npt(m) x npt(f)	npt - 1/4 npt	npt - 1/4 npt	1.34 (3.4)	304 SST
515723	Elbow	Pipe	90°	No	No	150	npt(m) x npt(f)	npt - 1 npt	npt - 1 npt	-	304 SST
196179	Elbow	Pipe	90°	No	No	7250 psi (500 bar)	npt(m) x unif(f)	npt - 3/8 npt	npt - 3/9 npt	1.81 (4.6)	CS - E-Nickel

ADAPTER



PART #	FITTING CONF.	PIPE OR HOSE/TUBE	FITTING TYPE	SWIVEL	JIC OR 37 FLARE	PRESSURE RATING	TYPE OF CONNECTION	FIRST CONNECTION	SECOND CONNECTION	OVERALL LENGTH IN (CM)	MATERIAL
16H491	Straight	Pipe	Adapter	No	No	5200 psi (358 bar)	npt(m) x npt(f)	npt - 1/4 npt	npt - 1/2 npt	1.69 (4.2)	SST
16J975	Straight	Pipe	Adapter	No	No	4300 psi (296 bar)	npt(m) x npt(f)	npt - 1/4 npt	npt - 3/4 npt	1.88 (4.7)	SST
166846	Straight	Pipe	Adapter	No	No	7250 psi (499 bar)	npt(m) x nps(m)	npt - 1/4 npt	nps - 1/4 npt npsm	1.19 (3.0)	304 SST
171195	Straight	Pipe	Adapter	No	No	-	npt(m) x nps(m)	npt - 3/8 npt	nps - 3/8 npt npsm	1.31 (3.3)	303 SST

TEE



PART #	FITTING CONF.	PIPE OR HOSE/TUBE	FITTING TYPE	SWIVEL	JIC OR 37 FLARE	PRESSURE RATING	TYPE OF CONNECTION	FIRST CONNECTION	SECOND CONNECTION	THIRD CONNECTION	OVERALL LENGTH IN (CM)	MATERIAL
16C760	Tee	Pipe	Adapter	No	No	-	npt(m) x npt(f) x nps(m)	npt - 3/8 npt	npt - 1/4 npt	nps - 3/8 npsm	1.94 (4.9)	316 SST
124490	Tee	Pipe	Adapter	No	No	4000 psi (275 bar)	npt(f) x npt(f) x npt(m)	npt - 3/8 npt	npt - 3/8 npt	npt - 3/8 npt	2.34 (5.8)	CS - E-Nickel

BALL VALVE



PART #	FITTING CONF.	PIPE OR HOSE/TUBE	FITTING TYPE	SWIVEL	JIC OR 37 FLARE	PRESSURE RATING	TYPE OF CONNECTION	FIRST CONNECTION	SECOND CONNECTION	OVERALL LENGTH IN (CM)	MATERIAL
24F607	Straight	Flouroelastomer	Ball Valve	No	No	5000 psi (344 bar)	npt(m) x npt(m)	npt - 3/8 npt	npt - 3/8 npt	-	CS - E-Nickel

BUSHING



PART #	FITTING CONF.	PIPE OR HOSE/TUBE	FITTING TYPE	SWIVEL	JIC OR 37 FLARE	PRESSURE RATING	TYPE OF CONNECTION	FIRST CONNECTION	SECOND CONNECTION	OVERALL LENGTH IN (CM)	MATERIAL
119226	Straight	Pipe	Bushing	No	No	-	npt(m) x npt(f)	npt - 1/4 npt	npt - 1/4 npt	1.39 (3.5)	316 SST
114499	Straight	Pipe	Bushing	No	No	5000 psi (344 bar)	npt(m) x npt(f)	npt - 1/2 npt	npt - 1/2 npt	1.78 (4.5)	304/316 SST
512351	Straight	Pipe	Bushing	No	No	5000 psi (344 bar)	npt(m) x npt(f)	npt - 1/4 npt	npt - 3/8 npt	1.44 (3.6)	303 SST
121237	Straight	Pipe	Bushing	No	No	4000 psi (275 bar)	npt(m) x npt(f)	npt - 3/8 npt	npt - 1/2 npt	1.68 (4.2)	303 SST
502265	Straight	Pipe	Bushing	No	No	6000 psi (413 bar)	npt(m) x npt(f)	npt - 1/2 npt	npt - 3/8 npt	1.11 (2.8)	316 SST
502851	Straight	Pipe	Bushing	No	No	3000 psi (206 bar)	npt(m) x npt(f)	npt - 1 npt	npt - 3/4 npt	1.00 (2.5)	316 SST
16C475	Straight	Pipe	Bushing	No	No	6000 psi (413 bar)	npt(m) x npt(f)	npt - 3/4 npt	npt - 1/2 npt	1.17 (2.9)	304 SST
196180	Straight	Pipe	Bushing	No	No	5000 psi (344 bar)	npt(m) x npt(f)	npt - 1/4 npt	npt - 1/8 npt	0.72 (1.8)	CS - E-Nickel
168160	Straight	Pipe	Bushing	No	No	5000 psi (344 bar)	npt(m) x npt(f)	npt - 3/8 npt	npt - 1/4 npt	0.79 (2.0)	CS - E-Nickel
124488	Straight	Pipe	Bushing	No	No	5000 psi (344 bar)	npt(m) x npt(f)	npt - 1 npt	npt - 1/2 npt	1.02 (2.6)	CS - E-Nickel

PLUG



PART #	FITTING CONF.	PIPE OR HOSE/TUBE	FITTING TYPE	SWIVEL	JIC OR 37 FLARE	PRESSURE RATING	TYPE OF CONNECTION	FIRST CONNECTION	SECOND CONNECTION	OVERALL LENGTH IN (CM)	MATERIAL
101748	Straight	Pipe	Plug - Socket Head	No	No	-	npt(m)	npt - 3/8 npt	-	0.46 (1.1)	304/316 SST
101970	Straight	Pipe	Plug - Socket Head	No	No	-	npt(m)	npt - 1/4 npt	-	0.41 (1.0)	300 Series SST
110208	Straight	Pipe	Plug - Socket Head	No	No	-	npt(m)	npt - 1/8 npt	-	0.25 (0.6)	304/316 SST
15G331	Straight	Pipe	Plug - Square Head	No	No	-	npt(m)	npt - 3/8 npt	-	0.80 (2.0)	CS - E-Nickel
124489	Straight	Pipe	Plug - Square Head	No	No	-	npt(m)	npt - 1/2 npt - 14 npt	-	1.0 (2.5)	CS - E-Nickel

SWIVEL UNION



PART #	FITTING CONF.	PIPE OR HOSE/TUBE	FITTING TYPE	SWIVEL	JIC OR 37 FLARE	PRESSURE RATING	TYPE OF CONNECTION	FIRST CONNECTION	SECOND CONNECTION	OVERALL LENGTH IN (CM)	MATERIAL
112268	Straight	Pipe	Union	Yes	No	2250 psi (155 bar)	npt(m) x npt(f)	npt - 3/4 npt	npt - 3/4 npt	2.00 (5.1)	304/316 SST
207152	Straight	Pipe	Union	Yes	No	7250 psi (499 bar)	npt(f) x nps(f)	npt - 3/8 npt	nps - 3/8 npsm	1.63 (4.1)	316 SST
236433	Straight	Pipe	Union	No	No	-	npt(m) x nps(f)	npt - 1 npt	nps - 1 npsm	-	303 SST
236892	Straight	Pipe	Union	Yes	No	-	npt(m) x nps(f)	npt - 1/2 npt	nps - 3/8 npsm	-	316 SST
16P309	Straight	Pipe	Union	Yes	No	6000 psi (413 bar)	npt(f) x nps(f)	npt - 1/4 npt	nps - 1/4 npsm	1.43 (3.6)	316 SST
287968	Straight	Pipe	Union	Yes	No	4500 psi (310 bar)	npt(m) x nps(f)	npt - 1 npt	nps - 1 nps	-	CS - E-Nickel
189018	Straight	Pipe	Union	Yes	No	7500 psi (516 bar)	nps(m) x nps(f)	nps - 1/4 npsm	nps - 1/4 npsm	1.41 (3.5)	303/316 SST
236987	Straight	Pipe	Union	Yes	No	7400 psi (509 bar)	nps(m) x nps(f)	nps - 1/4 npsm	nps - 1/4 npsm	-	SST



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