

Merkur[®] Spray Packages

312797A

For high-performance finishing and coating applications in hazardous and non-hazardous locations.

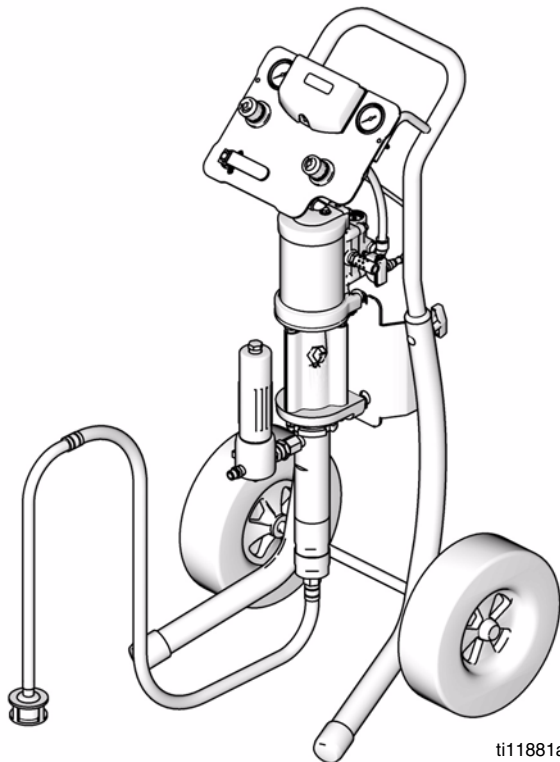


Important Safety Instructions

Read all warnings and instructions in this manual.
Save these instructions.

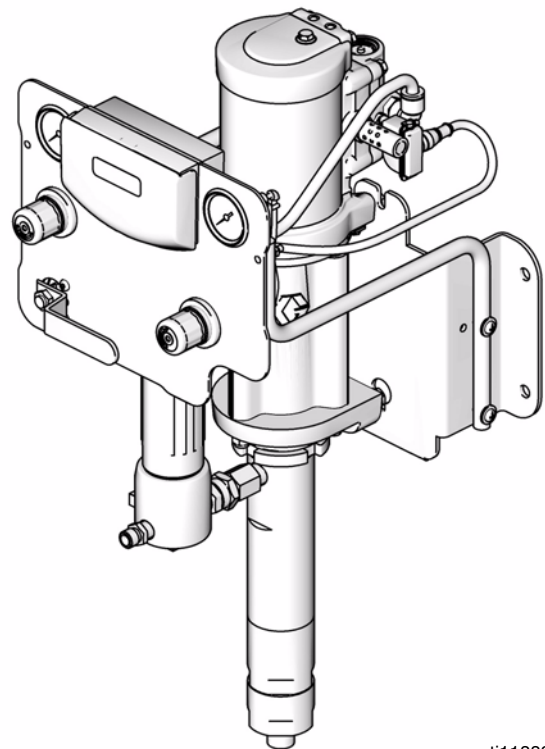
See the charts beginning on page 5 for model information, including maximum air inlet pressures and maximum fluid working pressures.

Cart Mount



ti11881a

Wall Mount



ti11882a



Contents

Related Manuals	3
Warnings	3
Models	5
Merkur 10:1 Packages (G10Cxx and G10Wxx)	6
Merkur 15:1 Packages (G15Wxx, G15Cxx, and G15Txx)	7
Merkur 18:1 Packages (G18Wxx and G18Cxx)	8
Merkur 23:1 Packages (G23Wxx and G23Cxx)	8
Merkur 24:1 Packages (G24Wxx and G24Cxx)	9
Merkur 28:1 Packages (G28Wxx and G28Cxx)	9
Merkur 30:1 Packages (G30Wxx, G30Cxx, and G30Txx)	10
Merkur 36:1 Packages (G36Wxx and G36Cxx)	12
Merkur 45:1 Packages (G45Wxx and G45Cxx)	13
Merkur 48:1 Packages (G48Wxx and G48Cxx)	14
Installation	15
General Information	16
Prepare the Operator	16
Prepare the Site	16
Wall Mount Packages	16
Components	16
Air Line Accessories	17
Grounding	17
Setup	18
Operation	18
Pressure Relief Procedure	18
Flush the Pump Before First Use	19
Trigger Lock	19
Wet Cup	19
Prime the Pump	19
Install the Spray Tip	20
Adjust the Atomization	20
Adjust the Spray Pattern	21
Shutdown	21
Maintenance	22
Preventive Maintenance Schedule	22
Tighten Threaded Connections	22
Flush the Pump	22
Wet Cup	22

Troubleshooting	23
DataTrak Controls and Indicators	24
DataTrak Operation	25
Setup Mode	25
Run Mode	25
Replace DataTrak Battery or Fuse	28
Parts	30
Cart Mount	30
Wall Mount	31
Stand Mount	32
G10xxx Models	33
G15xxx Models	34
G18xxx Models	35
G23xxx Models	36
G24xxx Models	37
G28xxx Models	38
G30xxx Models	39
G36xxx Models	40
G45xxx Models	41
G48xxx Models	42
Kits	43
Wall Mount Kit 24A578	43
Cart Mount Kit 256427	43
Stand Mount Kit 24A577	43
Mounting Accessories Kits	44
Control Panel Kits	44
Suction Hose Kits	44
Hopper Kit 256410	44
Drain Valve Kit 256425	44
DataTrak Kit	44
DataTrak with Cycle Count Only Kit	44
Guns and Hoses	45
50-Foot Hose Kit 24A955	45
25-Foot Hose Kit 24A956	45
Wall Bracket Mounting Dimensions	46
Technical Data	46
Package Weights	47
Graco Standard Warranty	48
Graco Information	48

Related Manuals

Manual	Description
312792	Merkur Displacement Pump
312794	Merkur Pump
312796	NXT™ Air Motor
312798	Merkur Electrostatic Packages
313255	Merkur Heated Packages
311001	AA Series Spray Gun (G15, G40, and G40 with RAC)
312145	XTR™5 and XTR™7 Airless Spray Gun
307273	Fluid Outlet Filter

Models with DataTrak™ include agency approvals listed below.



Conforms to
FM std 3600 & 3610
for use in Class I Div 1
Group D
T3C Hazardous locations



EEx ia IIA T3
Nemko
06ATEX1124

Warnings

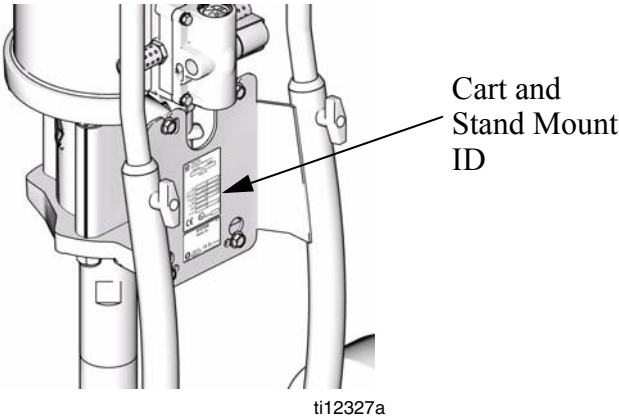
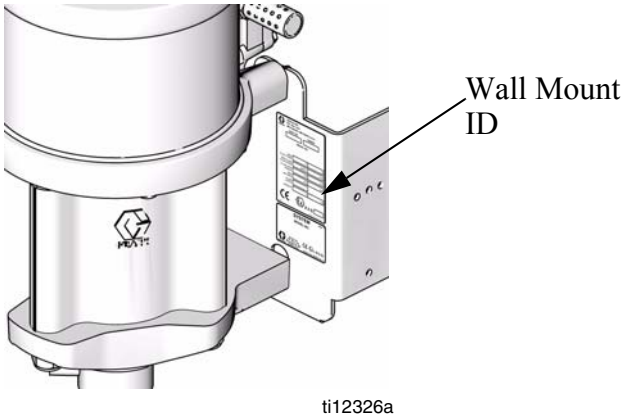
The following warnings are for the setup, use, grounding, maintenance, and repair of this equipment. The exclamation point symbol alerts you to a general warning and the hazard symbols refer to procedure-specific risks. Refer back to these Warnings. Additional, product-specific warnings may be found throughout the body of this manual where applicable.

 WARNING	
	FIRE AND EXPLOSION HAZARD Flammable fumes, such as solvent and paint fumes, in work area can ignite or explode. 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 arc). • 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. • Ground all equipment in the work area. See Grounding instructions. • Use only grounded hoses. • Hold gun firmly to side of grounded pail when triggering into pail. • If there is static sparking or you feel a shock, stop operation immediately. Do not use equipment until you identify and correct the problem. • Keep a working fire extinguisher in the work area.
	SKIN INJECTION HAZARD High-pressure fluid from gun, 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 gun at anyone or at any part of the body. • Do not put your hand over the spray tip. • Do not stop or deflect leaks with your hand, body, glove, or rag. • Do not spray without tip guard and trigger guard installed. • Engage trigger lock when not spraying. • Follow Pressure Relief Procedure in this manual, when you stop spraying and before cleaning, checking, or servicing equipment.

 WARNING	
	PRESSURIZED EQUIPMENT HAZARD Fluid from the gun/dispense valve, leaks, or ruptured components can splash in the eyes or on skin and cause serious injury. - Follow Pressure Relief Procedure in this manual, when you stop spraying and before cleaning, checking, or servicing equipment. - Tighten all fluid connections before operating the equipment. - Check hoses, tubes, and couplings daily. Replace worn or damaged parts immediately.
	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 Data in all equipment manuals. - Use fluids and solvents that are compatible with equipment wetted parts. See Technical Data in all equipment manuals. Read fluid and solvent manufacturer's warnings. For complete information about your material, request MSDS forms from distributor or retailer. - Check equipment daily. Repair or replace worn or damaged parts immediately with genuine Graco replacement parts only. - Do not alter or modify equipment. - Use equipment only for its intended purpose. Call your Graco 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.
	MOVING PARTS HAZARD Moving parts can pinch or amputate fingers and other body parts. - Keep clear of moving parts. - Do not operate equipment with protective guards or covers removed. - Pressurized equipment can start without warning. Before checking, moving, or servicing equipment, follow the Pressure Relief Procedure in this manual. Disconnect power or air supply.
	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 MSDS's 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 You must wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect you from serious injury, including eye injury, inhalation of toxic fumes, burns, and hearing loss. This equipment includes but is not limited to: - Protective eyewear - Clothing and respirator as recommended by the fluid and solvent manufacturer - Gloves - Hearing protection

Models

Check the identification plate (ID) for the 6-digit part number of your package. Use the following matrix and tables to define the components of your package. For example, package number **G30C28** represents a Merkur package (**G**), with a 30:1 ratio pump (**30**), cart mounting (**C**), and the components shown for (**28**) in the table on page 10.



G	30		C		28
First Digit	Second and Third Digits (Ratio)		Fourth Digit (Mounting Type)		Fifth and Sixth Digit (Components Included)
G (Merkur Package)	10	10:1	C	Cart	See Tables, pages 6 to 14
	15	15:1	T	Stand	
	18	18:1	W	Wall	
	23	23:1			
	24	24:1			
	28	28:1			
	30	30:1			
	36	36:1			
	45	45:1			
	48	48:1			

Merkur 10:1 Packages (G10Cxx and G10Wxx)

Maximum Inlet Air Pressure: 100 psi (0.7 MPa, 7 bar)

Maximum Fluid Working Pressure: 1000 psi (6.9 MPa, 69 bar)

Pump	Model		Gun	Air Controls (pump and gun)	Hoses		Accessories			DataTrak
	Wall Mount	Cart Mount			Gun Fluid Hose	Gun Air Hose	Siphon Kit	Fluid Filter	Hopper	
M04xxx Air Motor LW075x Lower	G10W09	-----	None							
	G10W01	G10C01	None	✓						
	G10W03	G10C03	None	✓			✓			
	-----	G10C05	None	✓	✓	✓	✓			
	G10W05	G10C07	G15 Carbide	✓	✓	✓	✓			
	G10W06	G10C08	G15 Carbide	✓	✓	✓	✓			✓
	G10W07	G10C09	G15 Carbide	✓	✓	✓	✓	✓		
	G10W08	G10C10	G15 Carbide	✓	✓	✓	✓	✓		✓
	-----	G10C11	G15 Carbide	✓	✓	✓			✓	
	-----	G10C13	G15 Carbide	✓	✓	✓		✓	✓	

Merkur 15:1 Packages (G15Wxx, G15Cxx, and G15Txx)

Maximum Inlet Air Pressure 100 psi (0.7 MPa, 7 bar)

Maximum Fluid Working Pressure: 1500 psi (10.3 MPa, 103 bar)

Pump	Model			Gun	Air Controls		Hoses		Accessories			Data Trak
	Wall Mount	Cart Mount	Stand Mount		Pump Only	Pump and Gun	Gun Fluid Hose	Gun Air Hose	Siphon Kit	Fluid Filter	Hopper	
M02xxx Air Motor LW025x Lower	G15W09	-----	-----	None								
	G15W01	G15C01	G15T01	None		✓						
	G15W03	G15C03	-----	None		✓			✓			
	-----	G15C05		None		✓	✓	✓	✓			
	G15W05	G15C07	G15T03	G15 Carbide		✓	✓	✓	✓			
	G15W06	G15C08	G15T04	G15 Carbide		✓	✓	✓	✓			✓*
	G15W07	G15C09	-----	G15 Carbide		✓	✓	✓	✓	✓		
	G15W08	G15C10	-----	G15 Carbide		✓	✓	✓	✓	✓		✓*
	-----	G15C11	G15T05	G15 Carbide		✓	✓	✓			✓	
	-----	G15C12	-----	G15 Carbide		✓	✓	✓			✓	✓*
	-----	G15C13	-----	G15 Carbide		✓	✓	✓		✓	✓	
	-----	G15C14	-----	G15 Carbide		✓	✓	✓		✓	✓	✓*
M04xxx Air Motor LW050x Lower	G15W19	-----	-----	None								
	G15W21	G15C21	-----	None		✓						
	G15W23	G15C23	-----	None		✓			✓			
	-----	G15C25	G15T11	None		✓	✓	✓	✓			
	-----	-----	G15T12	None		✓	✓	✓	✓			✓
	G15W25	G15C27	G15T13	G15 Carbide		✓	✓	✓	✓			
	G15W26	G15C28	G15T14	G15 Carbide		✓	✓	✓	✓			✓
	G15W27	G15C29	-----	G15 Carbide		✓	✓	✓	✓	✓		
	G15W28	G15C30	-----	G15 Carbide		✓	✓	✓	✓	✓		✓
	-----	G15C31	G15T15	G15 Carbide		✓	✓	✓			✓	
M12xxx Air Motor LW150x Lower	-----	G15C33	-----	G15 Carbide		✓	✓	✓		✓	✓	
	G15W51	G15C75	-----	None								
	G15W52	-----	-----	None								✓
	-----	G15C77	-----	None	✓							
	-----	G15C78	-----	None	✓							✓
	G15W53	G15C79	-----	None	✓				✓	✓		
	G15W54	G15C80	-----	None	✓				✓	✓		✓
	-----	G15C81	-----	None		✓			✓			
	G15W55	G15C83	-----	G15 Carbide		✓	✓	✓	✓	✓		
	G15W56	G15C84	-----	G15 Carbide		✓	✓	✓	✓	✓		✓

* DataTrak with cycle counter only, no runaway solenoid.

Merkur 18:1 Packages (G18Wxx and G18Cxx)

Maximum Inlet Air Pressure: 100 psi (0.7 MPa, 7 bar)

Maximum Fluid Working Pressure: 1800 psi (12.4 MPa, 124 bar)

Pump	Model		Gun	Air Controls		Hoses			Accessories		DataTrak	Weight lb (kg)
	Wall Mount	Cart Mount		Pump only	Pump and Gun	Gun Fluid Hose	Gun Air Hose	Gun Fluid Whip Hose	Siphon Kit	Fluid Filter		
M12xxx Air Motor LW125x Lower	G18W01	-----	None									
	G18W03	-----	None	✓								
	G18W04	-----	None	✓							✓	
	G18W05	G18C01	None	✓					✓	✓		
	G18W06	G18C02	None	✓					✓	✓	✓	
	-----	G18C03	None		✓				✓			
	G18W07	G18C05	G40		✓	✓	✓		✓	✓		
	G18W08	G18C06	G40		✓	✓	✓		✓	✓	✓	
	G18W09	G18C07	G40 RAC		✓	✓	✓		✓	✓		
	G18W10	G18C08	G40 RAC		✓	✓	✓		✓	✓	✓	

Merkur 23:1 Packages (G23Wxx and G23Cxx)

Maximum Inlet Air Pressure: 100 psi (0.7 MPa, 7 bar)

Maximum Fluid Working Pressure: 2300 psi (15.9 MPa, 159 bar)

Pump	Model		Gun	Air Controls		Hoses		Accessories			DataTrak	Weight lb (kg)
	Wall Mount	Cart Mount		Pump only	Pump and Gun	Gun Fluid Hose	Gun Air Hose	Siphon Kit	Fluid Filter	Hopper		
M12xxx Air Motor LW100x Lower	G23W01	-----	None									
	G23W03	-----	None	✓								
	G23W04	-----	None	✓							✓	
	-----	G23C01	None	✓				✓				
	-----	G23C02	None	✓				✓			✓	
	G23W05	-----	None	✓				✓	✓			
	G23W06	-----	None	✓				✓	✓		✓	
	G23W07	G23C03	XTR5	✓		✓		✓	✓			
	G23W08	G23C04	XTR5	✓		✓		✓	✓		✓	
	-----	G23C05	None		✓			✓				
	-----	G23C07	G40		✓	✓	✓			✓		
	G23W09	G23C09	G40		✓	✓	✓	✓	✓			
	-----	G23C11	G40		✓	✓	✓		✓	✓		
	G23W10	G23C12	G40		✓	✓	✓	✓	✓		✓	
	G23W11	G23C13	G40 RAC		✓	✓	✓	✓	✓			
	G23W12	G23C14	G40 RAC		✓	✓	✓	✓	✓		✓	

Merkur 24:1 Packages (G24Wxx and G24Cxx)

Maximum Inlet Air Pressure: 100 psi (0.7 MPa, 7 bar)

Maximum Fluid Working Pressure: 2400 psi (16.5 MPa, 165 bar)

Pump	Model		Gun	Air Controls		Hoses		Options			Weight lb (kg)
	Wall Mount	Cart Mount		Pump Only	Pump and Gun	Gun Fluid Hose	Gun Air Hose	Siphon Kit	Fluid Filter	DataTrak	
M18xxx Air Motor	G24W01	-----									
	G24W02	-----		✓						✓	
	G24W03	G24C01	None	✓				✓	✓		
	G24W04	G24C02	None	✓				✓	✓	✓	
	G24W05	G24C03	XTR5	✓		✓		✓	✓		
	G24W06	G24C04	XTR5	✓		✓		✓	✓	✓	
LW150x Lower	G24W07	G24C09	G40		✓	✓	✓	✓	✓		
	G24W08	G24C10	G40		✓	✓	✓	✓	✓	✓	
	G24W09	G24C11	G40RAC		✓	✓	✓	✓	✓		
	G24W10	G24C12	G40RAC		✓	✓	✓	✓	✓	✓	

Merkur 28:1 Packages (G28Wxx and G28Cxx)

Maximum Inlet Air Pressure: 100 psi (0.7 MPa, 7 bar)

Maximum Fluid Working Pressure: 2800 psi (19.3 MPa, 193 bar)

Pump	Model		Gun	Air Controls		Hoses		Accessories		DataTrak	Weight lb (kg)
	Wall Mount	Cart Mount		Pump Only	Pump and Gun	Gun Fluid Hose	Gun Air Hose	Siphon Kit	Fluid Filter		
M18xxx Air Motor	G28W01	-----	None								
	G28W02	-----	None	✓						✓	
	G28W03	G28C01	None	✓				✓	✓		
	G28W04	G28C02	None	✓				✓	✓	✓	
	G28W05	G28C03	XTR5	✓		✓		✓	✓		
	G28W06	G28C04	XTR5	✓		✓		✓	✓	✓	
LW125x Lower	G28W11	G28C09	G40		✓	✓	✓	✓	✓		
	G28W12	G28C10	G40		✓	✓	✓	✓	✓	✓	
	G28W13	G28C11	G40RAC		✓	✓	✓	✓	✓		
	G28W14	G28C12	G40RAC		✓	✓	✓	✓	✓	✓	

Merkur 30:1 Packages (G30Wxx, G30Cxx, and G30Txx)

Maximum Inlet Air Pressure: 100 psi (0.7 MPa, 7 bar)

Maximum Fluid Working Pressure: 3000 psi (20.7 MPa, 207 bar)

Pump	Model			Gun	Air Controls		Hoses		Accessories				DataTrak	Weight lb (kg)
	Wall Mount	Cart Mount	Stand Mount		Pump Only	Pump and Gun	Gun Fluid Hose	Gun Air Hose	Siphon Kit	Fluid Filter	Hopper	Drain Valve		
M04xxx Air Motor LW025x Lower	G30W19	-----												
	G30W01	G30C01	-----	None	✓									
	G30W03	G30C03	-----	None	✓				✓					
	G30W05	G30C05	-----	None	✓				✓	✓				
	-----	G30C07	-----	XTR5	✓		✓		✓					
	-----	G30C08	-----	XTR5	✓		✓		✓				✓	
	G30W07	G30C09	-----	XTR5	✓		✓		✓	✓				
	G30W08	G30C10	-----	XTR5	✓		✓		✓	✓			✓	
	-----	G30C11	-----	XTR5	✓		✓				✓			
	-----	G30C13	-----	XTR5	✓		✓*		✓	✓				
	-----	G30C15	-----	XTR5	✓		✓			✓	✓			
	G30W09	G30C17	-----	None		✓								
	G30W11	G30C19	G30T01	None		✓			✓					
	G30W12	-----	-----	None		✓			✓				✓	
	G30W13	G30C21	G30T03	G40		✓	✓	✓	✓					
	G30W14	G30C22	G30T04	G40		✓	✓	✓	✓				✓	
	-----	G30C23	G30T09	G40		✓	✓	✓			✓			
	G30W15	G30C25	G30T05	G40		✓	✓	✓	✓	✓				
	G30W16	G30C26	G30T06	G40		✓	✓	✓	✓	✓			✓	
	-----	G30C27	-----	G40		✓	✓	✓		✓	✓			
	-----	G30C29	G30T07	G40 RAC		✓	✓	✓	✓					
	-----	G30C30	G30T08	G40 RAC		✓	✓	✓	✓				✓	
	-----	G30C31	-----	G40 RAC		✓	✓	✓			✓			
	G30W17	G30C33	G30T11	G40 RAC		✓	✓	✓	✓	✓				
	G30W18	G30C34	G30T12	G40 RAC		✓	✓	✓	✓	✓			✓	
	-----	G30C35	-----	G40RAC		✓	✓	✓		✓	✓			
	-----	G30C39	-----	G40		✓	✓	✓	✓	✓*				
	-----	G30C40	-----	G40		✓	✓	✓	✓	✓*			✓	

Pump	Model			Gun	Air Controls		Hoses		Accessories				DataTrak	Weight lb (kg)
	Wall Mount	Cart Mount	Stand Mount		Pump Only	Pump and Gun	Gun Fluid Hose	Gun Air Hose	Siphon Kit	Fluid Filter	Hopper	Drain Valve		
M12xxx Motor LW075x Lower	G30W51	-----		None										
	G30W53	-----		None	✓									
	-----	G30C51		None	✓				✓					
	G30W55	G30C53		None	✓				✓	✓				
	G30W56	G30C54		None	✓				✓	✓			✓	
	G30W57	-----		XTR5	✓		✓		✓					
	G30W58	-----		XTR5	✓		✓		✓				✓	
	G30W59	G30C55		XTR5	✓		✓		✓	✓				
	G30W60	G30C56		XTR5	✓		✓*		✓	✓			✓	
	-----	G30C57		XTR5	✓		✓*		✓	✓				
	-----	G30C58		XTR5	✓		✓*		✓	✓			✓	
	G30W71	-----		None		✓								
	-----	G30C63		None		✓			✓					
	-----	G30C65		G40		✓	✓	✓			✓			
	G30W73	G30C67		G40		✓	✓	✓	✓	✓				
	G30W74	G30C68		G40		✓	✓	✓	✓	✓			✓	
	-----	G30C69		G40		✓	✓*	✓	✓	✓				
	-----	G30C71		G40 RAC		✓	✓	✓			✓			
	G30W75	G30C73		G40RAC		✓	✓	✓	✓	✓				
	G30W76	G30C74		G40RAC		✓	✓	✓	✓	✓			✓	
	-----	G30C85		XTR5		✓	✓	✓	✓	✓		✓		
	-----	G30C86		XTR5		✓	✓*	✓	✓	✓		✓	✓	

* Fluid hose is 3/16 x 50 ft., rather than standard 3/16 x 25 ft.

Merkur 36:1 Packages (G36Wxx and G36Cxx)

Maximum Inlet Air Pressure: 100 psi (0.7 MPa, 7 bar)

Maximum Fluid Working Pressure: 2800 psi (19.3 MPa, 193 bar)

Pump	Model		Gun	Air Controls		Hoses			Accessories			DataTrak	Weight lb (kg)
	Wall Mount	Cart Mount		Pump Only	Pump and Gun	Gun Fluid Hose	Gun Fluid Whip Hose	Gun Air Hose	Suction Hose	Fluid Filter	Drain Valve		
M18xxx Air Motor	G36W01	-----	None										
	G36W03	-----	None	✓									
	G36W04	-----	None	✓								✓	
	G36W05	G36C01	None	✓					✓	✓			
	G36W06	G36C02	None	✓					✓	✓		✓	
	G36W07	G36C03	XTR5	✓		✓	✓		✓	✓			
	G36W08	G36C04	XTR5	✓		✓	✓		✓	✓		✓	
	G36W13	G36C09	G40		✓	✓	✓	✓	✓	✓			
LW100x Lower	G36W14	G36C10	G40		✓	✓	✓	✓	✓	✓		✓	
	G36W15	G36C11	G40RAC		✓	✓	✓	✓	✓	✓			
	G36W16	G36C12	G40RAC		✓	✓	✓	✓	✓	✓		✓	
	G36W17	G36C13	G40		✓	✓	✓	✓	✓	✓	✓		
	G36W18	G36C14	G40		✓	✓	✓	✓	✓	✓	✓	✓	
	-----	G30C15	XTR5	✓		✓	✓		✓	✓	✓		
	-----	G30C16	XTR5	✓		✓	✓		✓	✓	✓	✓	

* Fluid filter with drain.

Merkur 45:1 Packages (G45Wxx and G45Cxx)

Table A: Maximum Inlet Air Pressure: 100 psi (0.7 MPa, 7 bar)

Maximum Fluid Working Pressure: 4500 psi (31.0 MPa, 310 bar)

Pump	Model		Gun	Air Controls		Hoses			Accessories			DataTrak	Weight lb (kg)
	Wall Mount	Cart Mount		Pump Only	Pump and Gun	Gun Fluid Hose	Gun Fluid Whip Hose	Gun Air Hose	Siphon Kit	Fluid Filter	Hopper		
M12xxx Air Motor	G45W01	-----	None										
	G45W03	-----	None	✓									
	-----	G45C01	None	✓					✓				
	G45W05	G45C03	XTR5	✓		✓	✓		✓	✓			
	G45W06	G45C04	XTR5	✓		✓	✓		✓	✓		✓	
LW050x Lower	-----	G45C05	XTR5	✓		✓	✓			✓	✓		
	-----	G45C06	XTR5	✓		✓	✓			✓	✓	✓	
	G45W11	-----	None		✓								
	-----	G45C11	None		✓				✓				

Table B: Maximum Inlet Air Pressure: 90 psi (0.6 MPa, 6 bar)

Maximum Fluid Working Pressure: 4000 psi (27.6 MPa, 276 bar)

Pump	Model		Gun	Air Controls		Hoses			Accessories				DataTrak	Weight lb (kg)
	Wall Mount	Cart Mount		Pump Only	Pump and Gun	Gun Fluid Hose	Gun Fluid Whip Hose	Gun Air Hose	Siphon Kit	Fluid Filter	Hopper	Drain Valve		
M12xxx Air Motor	-----	G45C13	G40		✓	✓	✓	✓			✓			
	G45W13	G45C15	G40		✓	✓	✓	✓	✓	✓				
	G45W14	G45C16	G40		✓	✓	✓	✓	✓	✓			✓	
	G45W15	G45C17	G40 RAC		✓	✓	✓	✓	✓	✓				
	G45W16	G45C18	G40 RAC		✓	✓	✓	✓	✓	✓			✓	
LW050x Lower	G45W17	G45C19	G40		✓	✓	✓	✓	✓	✓		✓		
	G45W18	G45C20	G40		✓	✓	✓	✓	✓	✓		✓	✓	
	-----	G45C21	G40		✓	✓	✓	✓		✓	✓	✓		

Merkur 48:1 Packages (G48Wxx and G48Cxx)

Table A: Maximum Inlet Air Pressure: 100 psi (0.7 MPa, 7 bar)

Maximum Fluid Working Pressure: 4500 psi (31.0 MPa, 310 bar)

Pump	Model		Gun	Air Controls		Hoses			Accessories				DataTrak	Weight lb (kg)
	Wall Mount	Cart Mount		Pump Only	Pump and Gun	Gun Fluid Hose	Gun Fluid Whip Hose	Gun Air Hose	Siphon Kit	Fluid Filter	Hopper	Drain Valve		
M18xxx Air Motor	G48W01		None											
	G48W03	G48C01	None	✓					✓	✓				
	G48W04	G48C02	None	✓					✓	✓			✓	
	G48W05	G48C03	XTR5	✓		✓	✓		✓	✓				
	G48W06	G48C04	XTR5	✓		✓	✓		✓	✓			✓	
LW075x Lower	-----	G48C05	XTR5	✓		✓	✓		✓	✓		✓		
	-----	G48C06	XTR5	✓		✓	✓		✓	✓		✓	✓	
	G48W11	-----	None		✓									

Table B: Maximum Inlet Air Pressure: 85 psi (0.6 MPa, 6 bar)

Maximum Fluid Working Pressure: 4000 psi (27.6 MPa, 276 bar)

Pump	Model		Gun	Air Controls		Hoses			Accessories				DataTrak	Weight lb (kg)
	Wall Mount	Cart Mount		Pump Only	Pump and Gun	Gun Fluid Hose	Gun Fluid Whip Hose	Gun Air Hose	Siphon Kit	Fluid Filter	Hopper	Drain Valve		
M18xxx Air Motor	G48W07	G48C07	G40		✓	✓	✓	✓	✓	✓*		✓		
	G48W08	G48C08	G40		✓	✓	✓	✓	✓	✓*		✓	✓	
	-----	G48C09	G40		✓	✓	✓	✓			✓			
	G48W13	G48C11	G40		✓	✓	✓	✓	✓	✓				
LW075x Lower	G48W14	G48C12	G40		✓	✓	✓	✓	✓	✓			✓	
	G48W15	G48C13	G40 RAC		✓	✓	✓	✓	✓	✓				
	G48W16	G48C14	G40 RAC		✓	✓	✓	✓	✓	✓			✓	

Installation

Package configurations vary widely. See pages 6-14 to determine the components included in your model. Items designated as accessories are not included in the packages.

- | | | | |
|---|---|---|--|
| A | Air Shutoff Valve (optional accessory) | L | Air-Assisted Spray Gun |
| B | Air Filter (optional accessory) | M | Gun Fluid Supply Hose |
| C | Gun Air Pressure Gauge | N | Gun Air Supply Hose |
| D | Gun Air Pressure Regulator | P | Fluid Filter |
| E | Bleed Type Master Air Valve | R | Pump Fluid Outlet |
| F | DataTrak™ | S | Grounding Wire |
| G | Pump Air Pressure Gauge | T | Wet-Cup (not visible, see FIG. 4, page 19) |
| H | Pump Air Pressure Regulator | U | Pump Fluid Inlet |
| J | Solenoid Release Button (DataTrak equipped packages only, not visible, see FIG. 8, page 25) | V | Suction Hose |
| K | Gun Swivel | W | Fluid Drain Valve |

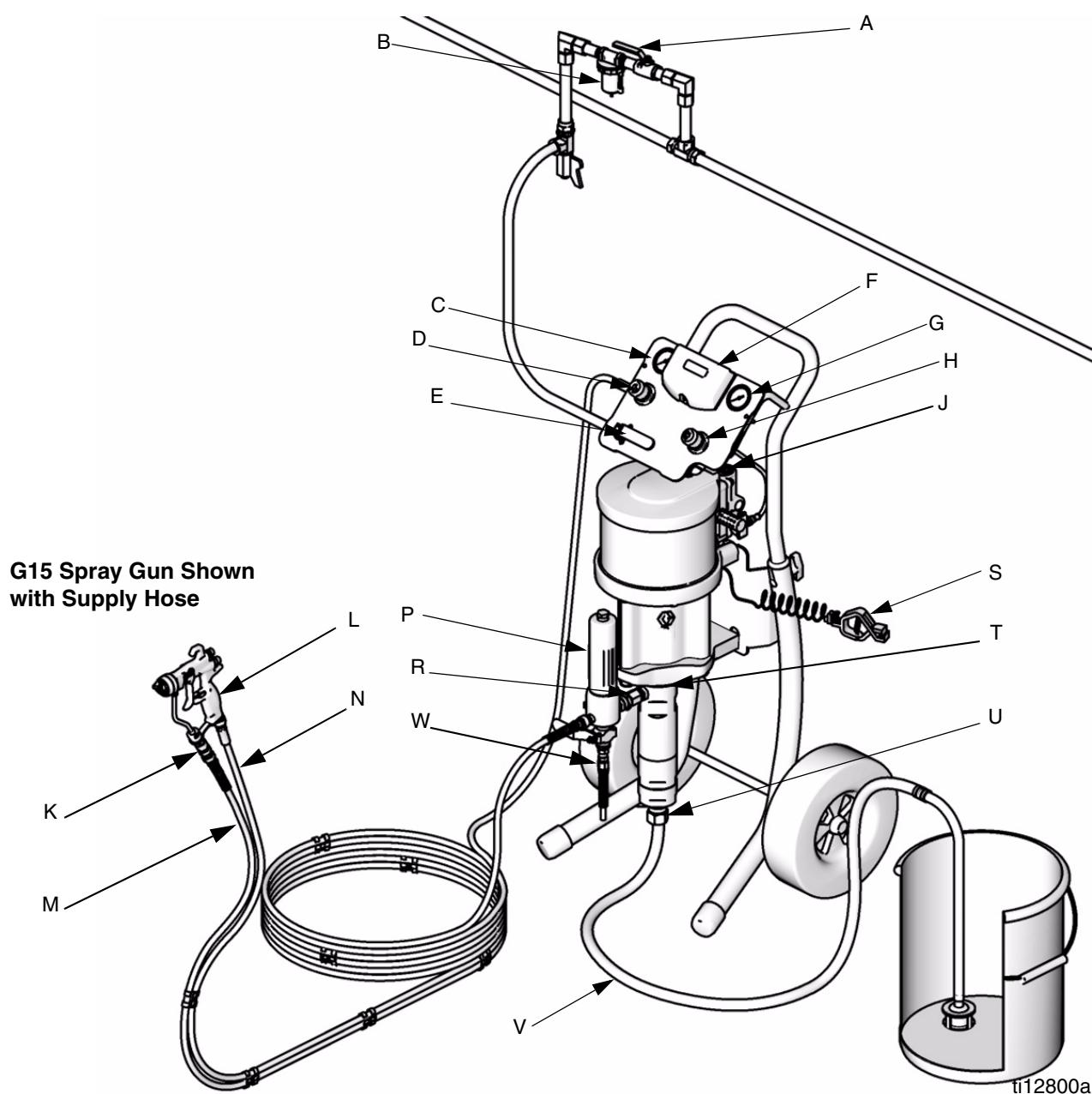


FIG. 1. Typical Installation

General Information

 Reference numbers and letters in parentheses in the text refer to the callouts in the figures and the parts drawing.

 Always use Genuine Graco Parts and Accessories, available from your Graco distributor. If you supply your own accessories, be sure they are adequately sized and pressure-rated for your system.

FIG. 1 is only a guide for selecting and installing system components and accessories. Contact your Graco distributor for assistance in designing a system to suit your particular needs.

Prepare the Operator

All persons who operate the equipment must be trained in the operation of all system components as well as the proper handling of all fluids. All operators must thoroughly read all instruction manuals, tags, and labels before operating the equipment.

Prepare the Site

Ensure that you have an adequate compressed air supply.

Bring a compressed air supply line from the air compressor to the pump location. Be sure all air hoses are properly sized and pressure-rated for your system. Use only electrically conductive hoses. The air hose should have a 3/8 npt(m) thread. A quick disconnect coupling is recommended.

Keep the site clear of any obstacles or debris that could interfere with the operator's movement.

Have a grounded, metal pail available for use when flushing the system.

Wall Mount Packages

1. Be sure the wall can support the weight of the pump, bracket, hoses and accessories, as well as the stress caused during operation.
2. Position the wall bracket about 1.2-1.5 m (4-5 ft) above the floor. For ease of operation and service, make sure the pump air inlet, fluid inlet, and fluid outlet ports are easily accessible.
3. Using the wall bracket as a template, drill 10 mm (0.4 in.) mounting holes in the wall. Wall mounting dimensions are shown on page 46.
4. Attach the bracket to the wall. Use 3/8 in. (9 mm) screws that are long enough to keep the pump from vibrating during operation.

NOTE: Be sure the bracket is level.

Components

See FIG. 1. Components vary by package ordered, but may include:

- The red-handled bleed-type master air valve (E) is required in your system to relieve air trapped between it and the air motor and gun when the valve is closed. Do not block access to the valve.
- The pump air regulator (H) controls pump speed and outlet pressure by adjusting the air pressure to the pump.
- The air relief valve (not shown) opens automatically to prevent overpressurization of the pump.
- The gun air regulator (D) adjusts the air pressure to the air-assisted spray gun (L).
- The air-assisted or airless spray gun (L) dispenses the fluid. The gun houses the spray tip (not shown), which is available in a wide range of sizes for different spray patterns and rates of flow. Refer to gun manual for tip installation.

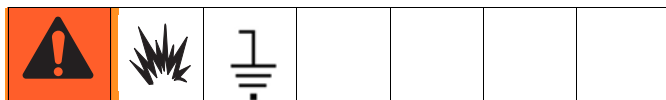
- The transparent hose (N, labeled “Air Hose Only”) provides the gun air supply.
- The blue hose (M) provides the gun fluid supply.
- The gun swivel (K) allows for freer gun movement and comes attached to the blue hose (AA packages). The airless gun has a built-in fluid swivel.
- The suction hose (V) with strainer allows the pump to draw fluid from a 5 gallon (19 liter) pail. A fluid hopper with screen also is available.
- A fluid filter (P) with a 60 mesh (250 micron) stainless steel element filters particles from fluid as it leaves the pump.
- A fluid drain valve (W) relieves fluid pressure in the hose and gun.
- DataTrak (F) provides pump diagnostics and material usage information. DataTrak equipped packages with M02xxx air motors do not have a runaway solenoid; all other DataTrak equipped packages do. See page 24.

Air Line Accessories

Install the following accessories in the order shown in FIG. 1, using adapters as necessary.

- An air-line filter (B) removes harmful dirt and moisture from the compressed air supply.
- A second bleed-type air shutoff valve (A) isolates the air line accessories for servicing. Locate upstream from all other air line accessories.

Grounding



1. Pump: See FIG. 2. Verify that the ground screw (GS) is attached and tightened securely to the air motor.

Connect the other end of the ground wire (S) to a true earth ground.

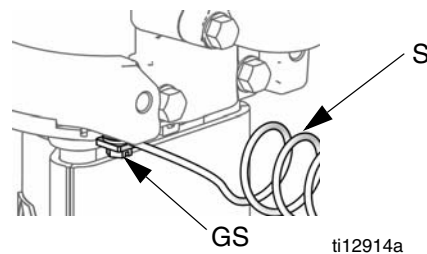


FIG. 2 Ground screw and wire

2. Pump fluid hoses: use only electrically conductive fluid hoses. Check electrical resistance of hoses. If total resistance to ground exceeds 25 megohms, replace hose immediately.
3. Air compressor: follow manufacturer's recommendations.
4. Spray gun: ground through connection to a properly grounded fluid hose and pump.
5. Fluid supply container: follow your local code.
6. Object being sprayed: follow your local code.
7. Solvent pails used when flushing: follow your local code. Use only metal pails, which are conductive, placed on a grounded surface. Do not place the pail on a nonconductive surface, such as paper or cardboard, which interrupts the grounding continuity.
8. To maintain grounding continuity when flushing or relieving pressure, hold a metal part of the spray gun firmly to the side of a grounded metal pail, then trigger the gun.

Setup

1. See FIG. 1. Attach end of blue fluid hose (M) to pump outlet (R) or filter (P) outlet.
2. Attach one end of the air hose (N) to gun air regulator (D).
3. Attach remaining end of the air hose (N) to air inlet at base of gun (L).
4. Attach gun swivel (K) to gun fluid inlet.
5. Attach other end of blue fluid hose (M) to gun swivel (K).
6. Clip fluid and air hoses together with the supplied hose clips (qty. of 7). Space clips as needed.
7. Apply lens cover to both regulator gauge lenses.
8. Verify that suction hose fittings are tight.

Operation

Pressure Relief Procedure

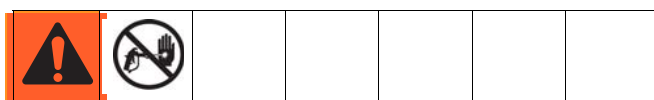


1. Engage the trigger lock.
2. See FIG. 1. Turn off the bleed-type master air valve (D).
3. Disengage the trigger lock.
4. Hold a metal part of the gun firmly to a grounded metal waste container. Trigger the gun to relieve fluid pressure.
5. Engage the trigger lock.
6. Open all fluid drain valves in the system, having a waste container ready to catch the drainage. Leave the drain valve(s) open until you are ready to spray again.
7. If you suspect that pressure has not been fully relieved after following the steps above, check the following:
 - a. The spray tip may be completely clogged. Very slowly loosen the air cap retaining ring to relieve pressure in the cavity between the ball/seat shutoff and the plugged tip. Clear the tip orifice.
 - b. The gun fluid filter or the fluid hose may be completely clogged. Very slowly loosen the hose end coupling at the gun and relieve pressure gradually. Then loosen completely to clear the obstruction.
 - c. After following the steps above, if the spray tip or hose still seems completely clogged, very slowly loosen the tip guard retaining nut or hose end coupling and relieve pressure gradually, then loosen completely. With tip removed, trigger gun into waste container.

Flush the Pump Before First Use

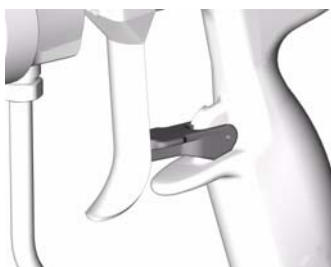
The pump is tested with lightweight oil, which is left in to protect the pump parts. If the fluid you are using may be contaminated by the oil, flush it out with a compatible solvent. See **Flush the Pump** on page 22.

Trigger Lock



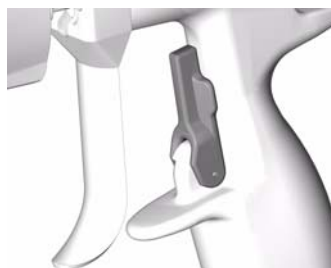
See FIG. 3. Always engage gun trigger lock when you stop spraying to prevent gun from being triggered accidentally by hand or if dropped or bumped.

Gun Trigger
Safety Locked



TI6581A

Gun Trigger
Safety Unlocked



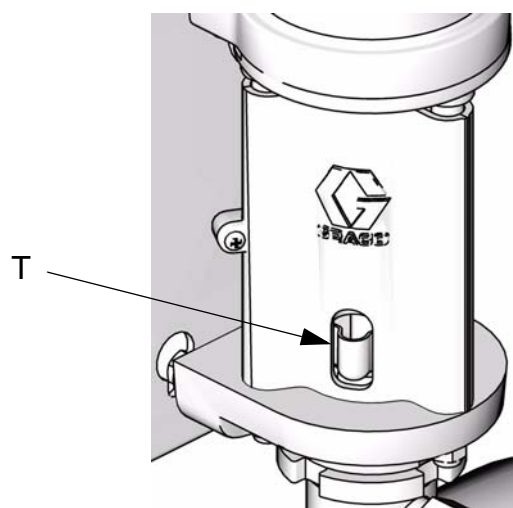
TI6582A

FIG. 3 Trigger Lock

Wet Cup



Before starting, fill wet cup (T) 1/3 full with Graco Throat Seal Liquid (TSL) or compatible solvent.



ti11927a

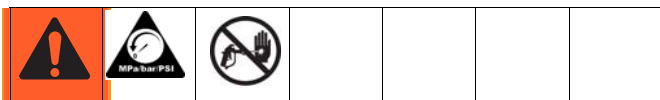
FIG. 4: Wet Cup

Prime the Pump

1. See FIG. 1. Lock gun trigger. Remove tip guard and spray tip from gun (L). Refer to gun manual.
2. Close gun air regulator (D) and pump air regulator (H) by turning knobs counterclockwise reducing pressure to zero. Close bleed-type air valve (E). Also verify that all drain valves are closed.
3. Connect air line to bleed type air valve (D).
4. Check that all fittings throughout system are tightened securely.
5. Position pail close to pump. Suction hose is 4 ft (1.2 m) long. Do not stretch hose tight; let it hang to assist fluid flow into pump.
6. Hold metal part of gun (L) firmly to side of grounded metal pail, unlock trigger, and hold trigger open.
7. *Units with runaway protection only:* enable the prime/flush function by pushing the prime/flush button on the DataTrak.

8. Open bleed-type air valve (E). Slowly turn clockwise pump air regulator (H) increasing pressure until pump starts.
9. Cycle pump slowly until all air is pushed out and pump and hoses are fully primed.
10. *Units with runaway protection only:* disable the prime/flush function by pushing the prime/flush button on the DataTrak.
11. Release gun trigger and lock trigger safety. Pump should stall against pressure.

Install the Spray Tip



Follow **Pressure Relief Procedure**, page 18. Install the spray tip and tip guard as explained in your separate gun manual, supplied.

The fluid output and pattern width depend on the size of the spray tip, the fluid viscosity, and the fluid pressure. Use the Spray Tip Selection Chart in your gun instruction manual as a guide for selecting an appropriate spray tip for your application.

Adjust the Atomization



1. Do not turn on atomizing air supply. Fluid pressure is controlled by the air pressure supplied to the pump (pump air regulator). Set fluid pressure at low starting pressure. For low viscosity fluids (less than 25 sec, #2 Zahn cup) with lower percent solids (typically less than 40%), start at 300 psi (2.1 MPa, 21 bar) at pump outlet. For fluids with higher viscosity or higher solids content, start at 600 psi (4.2 MPa, 42 bar). Refer to the following example.

Example:

Pump Ratio		Pump Air Regulator Setting psi (MPa, bar)		Approximate Fluid Pressure psig (MPa, bar)
15:1	x	20 (0.14, 1.4)	=	300 (2.1, 21)
30:1	x	20 (0.14, 1.4)	=	600 (4.2, 42)

2. Hold gun perpendicular and approximately 12 inches (304 mm) from surface.
3. Move gun first, then pull gun trigger to spray onto test paper.
4. Increase fluid pressure in 100 psi (0.7 MPa, 7 bar) increments, just to the point where a further increase in fluid pressure does not significantly improve fluid atomization. Refer to the following example.

Example:

Pump Ratio		Pump Air Regulator Increment psi (MPa, bar)		Incremental Fluid Pressure psi (MPa, bar)
15:1	x	7 (.05, 0.5)	=	100 (0.7, 7.0)
30:1	x	3.3 (0.02, 0.2)	=	100 (0.7, 7.0)

Adjust the Spray Pattern

Packages with Airless Guns

The spray tip orifice and spray angle determine pattern coverage and size. When you need more coverage, use a larger spray tip rather than increasing fluid pressure. Align guard horizontally to spray a horizontal pattern. Align guard vertically to spray a vertical pattern.

Packages with AA Guns

1. See FIG. 5. Close off pattern adjustment air by turning knob (AA) clockwise (in) all the way. This sets gun for its widest pattern.

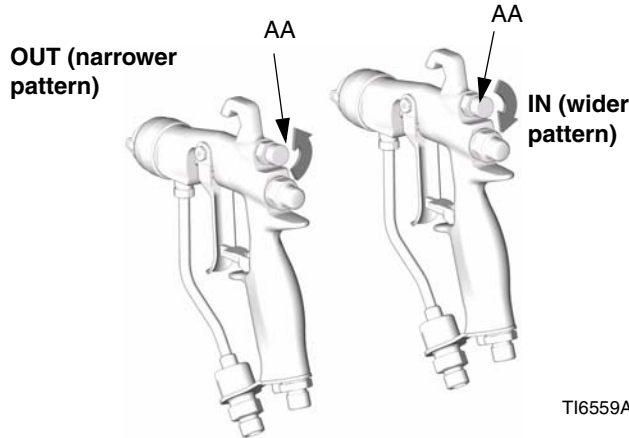


FIG. 5Pattern Air Knob

2. See FIG. 6. Set atomizing air pressure at about 5 psi (0.35 bar, 35 kPa) when triggered. Check spray pattern, then slowly increase air pressure until tails are completely atomized and pulled into spray pattern. Do not exceed 100 psi (0.7 MPa, 7 bar) air pressure to gun.

3. See FIG. 5. For narrower pattern, turn pattern adjustment valve knob (AA) counterclockwise (out). If pattern is still not narrow enough, increase air pressure to gun slightly or use different size tip.

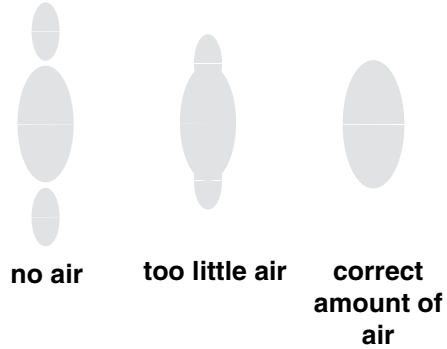
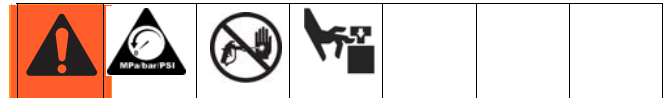


FIG. 6Spray Pattern Problems

Shutdown



Follow **Pressure Relief Procedure**, page 18.

Always flush the pump before the fluid dries on the displacement rod. See **Flush the Pump** on page 22.

Maintenance

Preventive Maintenance Schedule

The operating conditions of your particular system determine how often maintenance is required. Establish a preventive maintenance schedule by recording when and what kind of maintenance is needed, and then determine a regular schedule for checking your system.

Replace lens covers on regulator gauge lenses when dirt makes gauges difficult to read.

Tighten Threaded Connections

Before each use, check all hoses for wear or damage. Replace as necessary. Check that all threaded connections are tight and leak-free.

Flush the Pump

						
Read all Warnings . Follow all Grounding instructions. See page 17.						

Flush the pump:

- Before first use
- When changing colors or fluids
- Before repairing equipment
- Before fluid dries or settles out in a dormant pump (check the pot life of catalyzed fluids)
- At the end of the day
- Before storing the pump.

Flush at the lowest pressure possible. Flush with a fluid that is compatible with the fluid you are pumping and with the wetted parts in your system. Check with your fluid manufacturer or supplier for recommended flushing fluids and flushing frequency.

1. Follow **Pressure Relief Procedure**, page 18.
2. Remove tip guard and spray tip from gun. Refer to separate gun manual.
3. Place siphon tube in grounded metal pail containing cleaning fluid.
4. Set pump to lowest possible fluid pressure, and start pump.
5. Hold a metal part of the gun firmly to a grounded metal pail.
6. *Units with runaway protection only:* enable the prime/flush function by pushing the prime/flush button on the DataTrak.
7. Trigger gun. Flush system until clear solvent flows from gun.
8. *Units with runaway protection only:* disable the prime/flush function by pushing the prime/flush button on the DataTrak.
9. Follow **Pressure Relief Procedure**, page 18.
10. Clean the tip guard, spray tip, and fluid filter element separately, then reinstall them.
11. Clean inside and outside of suction tube.

Wet Cup

Fill the wet cup one-half full with Graco Throat Seal Liquid (TSL). Maintain level daily.

Troubleshooting

						
Relieve the pressure before checking or servicing the equipment.						

NOTICE
Check all possible problems and causes before disassembling the pump.

Problem	Cause	Solution
Pump fails to operate.	Restricted line or inadequate air supply; closed or clogged valves.	Clear line or increase air supply. Check that the valves are open.
	Obstructed fluid hose or gun; fluid hose ID is too small.	Open, clear*; use hose with larger ID.
	Fluid dried on the displacement rod.	Clean; always stop the pump at the bottom of its stroke; keep the wet-cup 1/3 filled with Graco throat seal liquid (TSL).
	Dirty, worn, or damaged air motor parts.	Clean or repair air motor. See manual 312796.
Pump operates, but output is low on both strokes.	Restricted line or inadequate air supply; closed or clogged valves.	Clear line or increase air supply. Check that the valves are open.
	Obstructed fluid hose or gun; fluid hose ID is too small.	Open, clear*; use hose with larger ID.
	Worn packings in displacement pump.	Replace packings. See manual 312792.
Pump operates, but output is low on downstroke.	Held open or worn ball check valves or piston packings.	Clear valve; replace packings. See manual 312794.
Erratic or accelerated pump speed.	Exhausted fluid supply.	Refill and prime.
	Held open or worn ball check valves or packings.	Clear valve, replace packings; see manual 312794.
Fluid being pumped is visible in the TSL reservoir.	Worn throat packings.	Replace throat packings. See manual 312794.

* To determine if the fluid hose or gun is obstructed, relieve the pressure. Disconnect the fluid hose and place a container at the pump fluid outlet to catch any fluid. Turn on the air just enough to start the pump. If the pump starts when the air is turned on, the obstruction is in the hose or gun.

AA Runaway Limit, in cycles per minute (user settable; 00=OFF)

AB Lower Displacement (user settable)

AC Flow Rate Units (user settable to /min, gpm [US], gpm [Imperial], oz/min [US], oz/min [Imperial], l/min, or cc/min)

AD LED (fault indicator when lit)

AE Display

PF Prime/Flush Key (Enables Prime/Flush mode. While in Prime/Flush mode, runaway protection is disabled and the batch totalizer [BT] will not count.) LED will flash while in Prime/Flush mode.

RK Reset Key (Resets faults. Press and hold for 3 seconds to clear the batch totalizer.) Push to toggle between flow rate and cycle rate.

CF Cycle/Flow Rate

BT Batch Totalizer

GT Grand Totalizer

RT Runaway Toggle (enable/disable)

UT E1 Toggle

DT E2 Toggle

ST E5 Toggle



DataTrak Operation

 The display (AE) will turn off after 1 minute to save battery life. Press any key to wake up the display.

Setup Mode

1. See FIG. 7. Press and hold  for 5 seconds until Setup menu appears.
2. To enter settings for runaway (if equipped), lower size, and flow rate units, and to enable runaway, E1, E2, and E5 error options, press  to change the value, then  to save the value and move the cursor to the next data field. See page 27 for a description of E1, E2, and E5 error codes.

 Graco recommends setting runaway (if equipped) to 60 .

 When runaway, E1, E2, and E5 error options are enabled, a ✓ will appear on the setup screen. See FIG. 7.

3. Move the cursor to the E5 error enable option field, then press  once more to exit Setup mode.

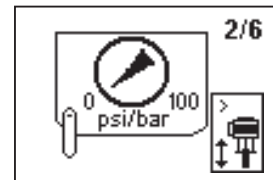
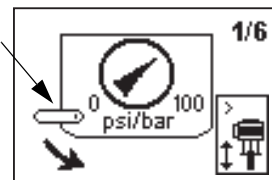
Run Mode

Runaway

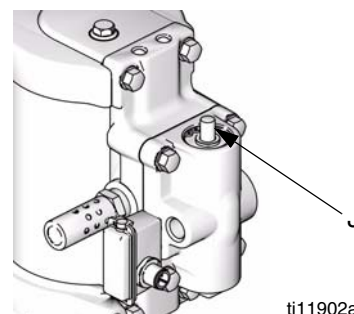
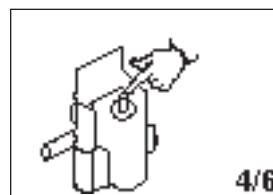
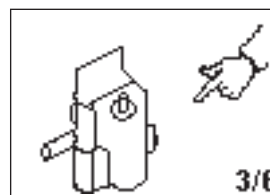
 DataTrak is available with and without runaway protection. Packages with M02xxx air motors ship without a runaway solenoid. All other packages are equipped with a runaway solenoid.

1. See FIG. 7. If pump runaway occurs, the runaway solenoid will actuate, stopping the pump. The LED (AD) will flash and the display (AE) will indicate a runaway condition (see Table 1). The display will cycle through six instruction screens.

2. Runaway Screens 1 and 2: To reset the runaway solenoid, close the master air valve (E). Wait for air to completely bleed off the air motor.



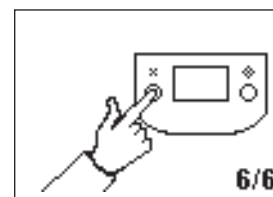
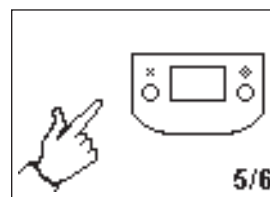
3. Runaway Screens 3 and 4: After the air is bled off, push the solenoid release button (J) up to reset the air valve.



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FIG. 8: Solenoid Release Button

4. Runaway Screens 5 and 6: Press  to clear the diagnostic code and reset the runaway solenoid.



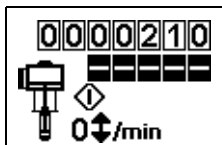
5. Open master air valve (E) to restart pump.

 To disable runaway monitoring, go to setup mode and set runaway value to 0 (zero) or toggle (RT) off  (see FIG. 7).

Prime/Flush

1. See FIG. 7. To enter Prime/Flush mode, press any key to wake up the display, then press . The Prime/Flush symbol will appear in the display and

the LED will flash



2. While in Prime/Flush mode, runaway protection is disabled and the batch totalizer (BT) will not count.
3. To exit Prime/Flush mode, press any key to wake up the display, then press . The Prime/Flush symbol will disappear from the display and the LED will stop flashing.

Counter/Totalizer

See FIG. 7. The last digit of the batch totalizer (BT) represents tenths of gallons or liters. To reset the totalizer, press any key to wake up the display, then press and hold  for 3 seconds.

 If flow rate is set to  /min, both totalizers will display the number of pump cycles.

Display

See FIG. 7. The display (AE) will turn off after 1 minute of inactivity in Run mode or 3 minutes in Setup mode. Press any key to wake up the display.

 DataTrak will continue to count cycles when display is off.

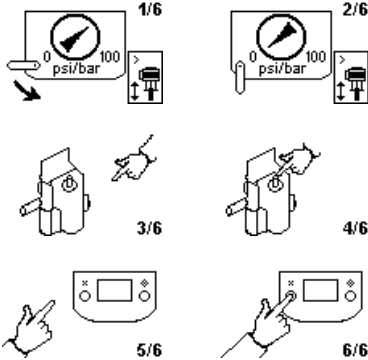
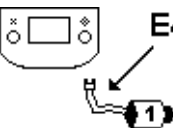
 The display (AE) may turn off if a high-level static discharge is applied to the DataTrak. Press any key to wake up the display.

Diagnostics

DataTrak can diagnose several problems with the pump. When the monitor detects a problem, the LED (AD, FIG. 7) will flash and a diagnostic code will appear on the display. See Table 1.

To acknowledge the diagnosis and return to the normal operating screen, press  once to wake up the display, and once more to clear the diagnostic code screen

Table 1: Diagnostic Codes

Symbol	Code	Code Name	Diagnosis	Cause
		Runaway (DataTrak only)	Pump running faster than set runaway limit.	- Increased air pressure. - Increased fluid output. - Exhausted fluid supply.
	E-1	Diving Up	Leak during upstroke.	Worn piston valve or packings.
	E-2	Diving Down	Leak during downstroke.	Worn intake valve.
	E-3	Low Battery	Battery voltage too low to stop runaway.	Low battery. Replace battery; see page 28.
	E-4	Service Component 1 (units with runaway protection only)	Problem with stopping runaway.	- Damaged solenoid. - Damaged valve carriage. - Runaway (RT, FIG. 7) protection may be enabled with pump that is not equipped with a runaway solenoid valve. Enter setup screen and disable runaway protection.
	E-4	Disconnected Solenoid (units with runaway protection only)	Solenoid is disconnected.	- Solenoid unplugged. - Damaged solenoid wires.
	E-5	Service Component 2	Problem with sensing valve movement.	- Sensors unplugged. - Sensors mounted incorrectly. - Damaged sensors. - Damaged valve carriage.
	E-6	Blown Fuse	Fuse is blown. Replace fuse; see page 28.	- Faulty solenoid or solenoid wiring. - Extreme temperatures (above 140°F [60°C]). - Runaway (RT, FIG. 7) protection may be enabled with pump that is not equipped with a runaway solenoid valve. Enter setup screen and disable runaway protection.

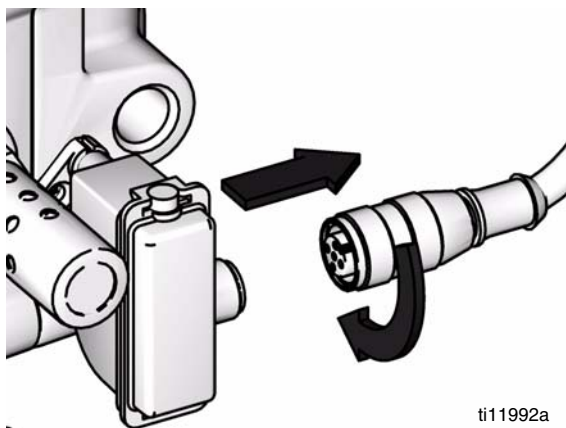
Replace DataTrak Battery or Fuse

						
The battery and fuse must be replaced in a non-hazardous location.						

Replace Battery

						
Use only the following approved replacement batteries. Use of an unapproved battery will void Graco's warranty and FM and Ex approvals. • Ultralife lithium # U9VL • Duracell alkaline # MN1604 • Energizer alkaline # 522 • Varta alkaline # 4922						

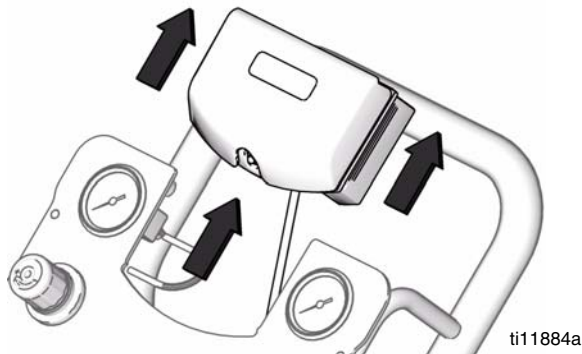
1. Unscrew cable from the back of the reed switch assembly. See FIG. 9.
2. Remove the cable from the two cable clips.



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FIG. 9. Disconnect DataTrak

3. Remove DataTrak module from bracket. See FIG. 10. Take module and attached cable to a non-hazardous location.

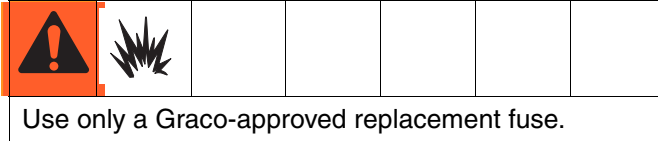


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FIG. 10. Remove DataTrak

4. Remove two screws on back of module to access battery.
5. Disconnect the used battery and replace with an approved battery. See FIG. 11.

Replace Fuse



1. Remove the screw, metal strap, and plastic holder.
2. Pull the fuse away from the board.
3. Replace with a new fuse.

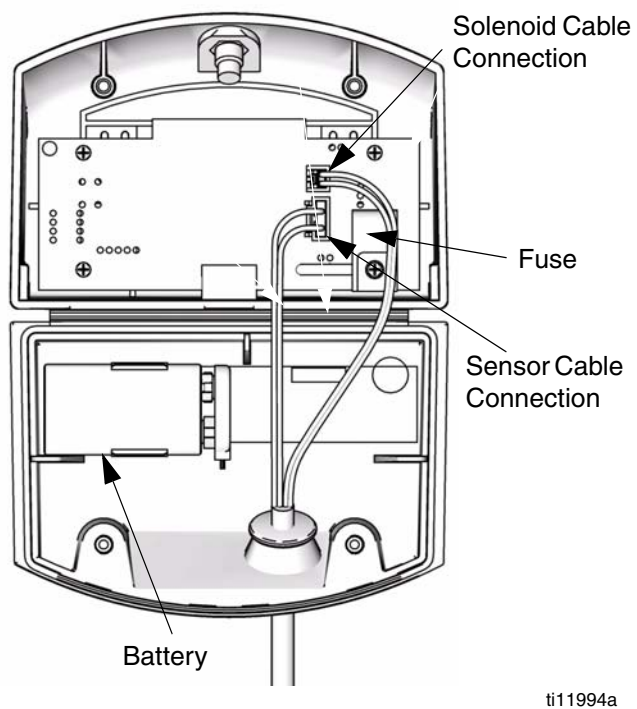
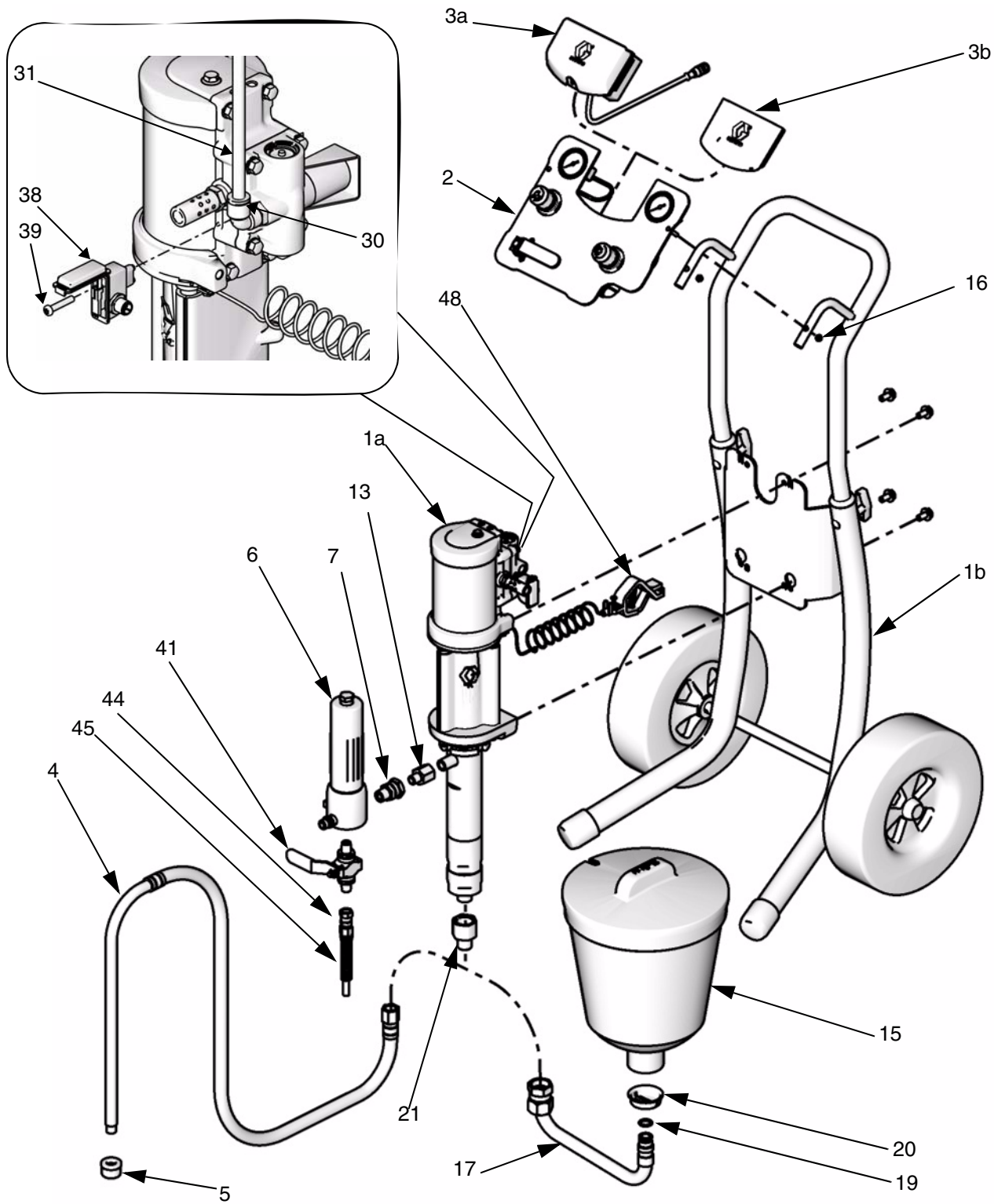


FIG. 11. DataTrak Battery and Fuse Location

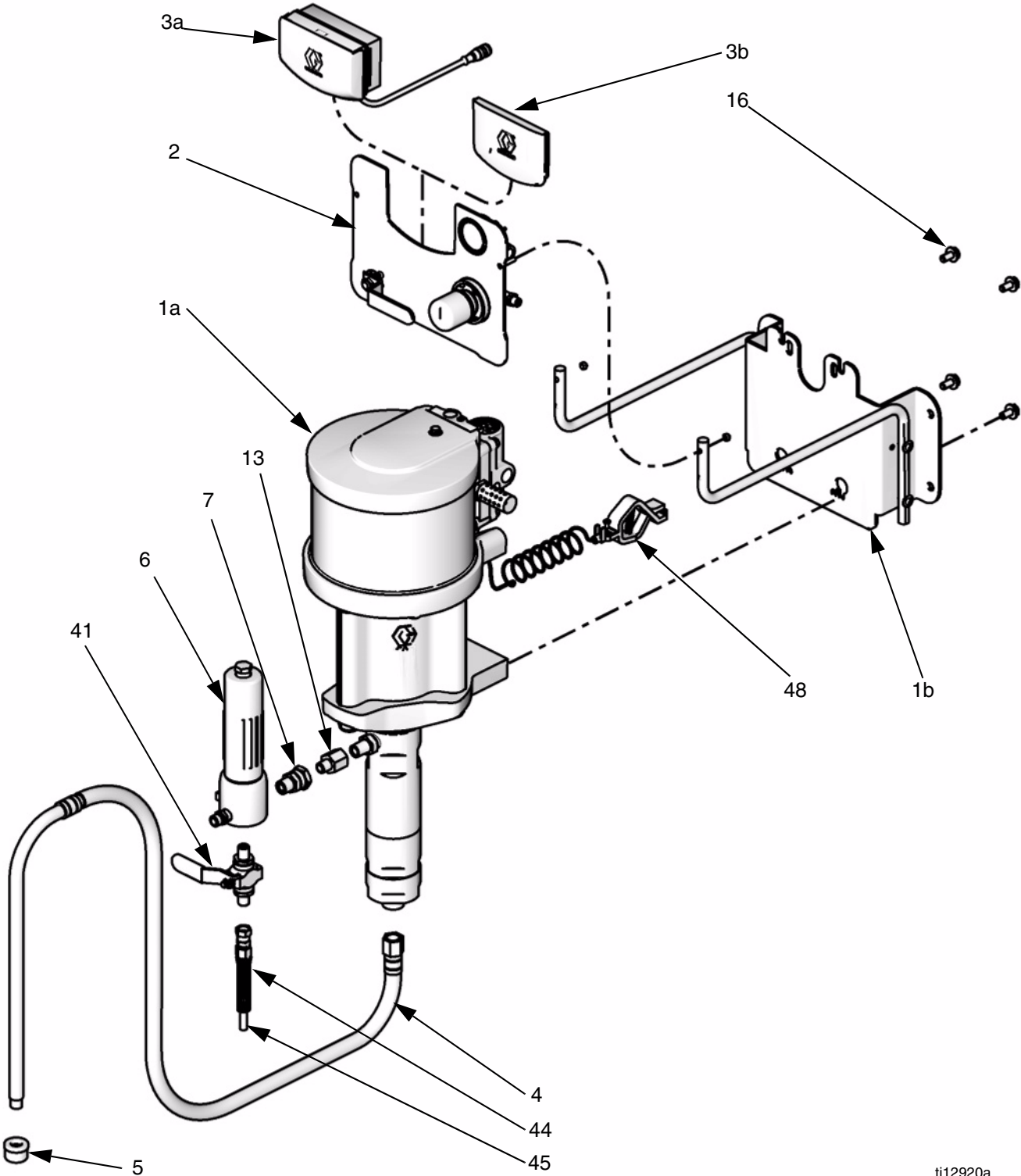
Parts

Cart Mount



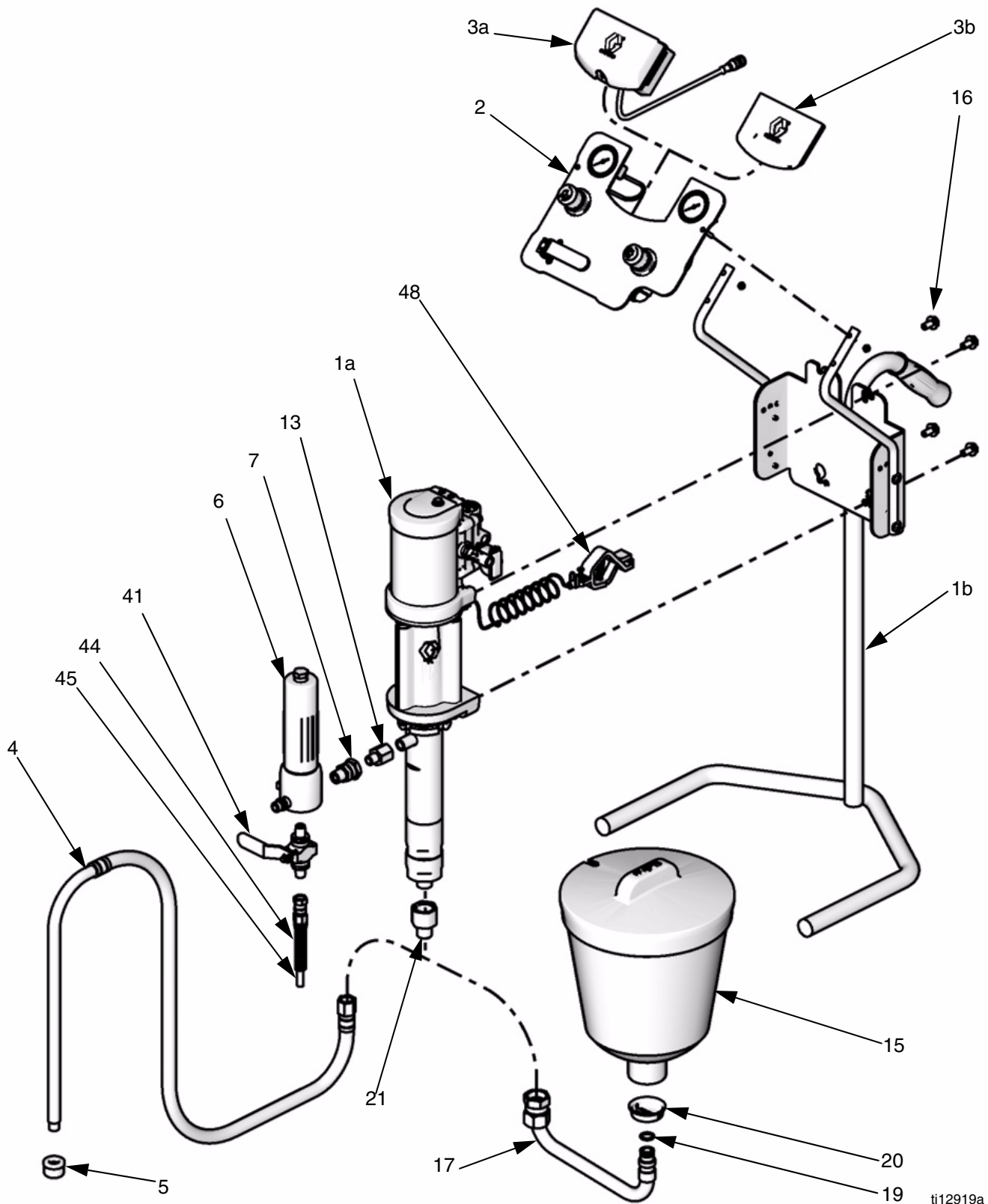
ti12632a

Wall Mount



ti12920a

Stand Mount



ti12919a

NOTICE

- See page 43 for pump and mounting parts for all packages.
- See page 43 for accessories.

Package	Parts List Page
G10xxx	33
G15xxx	34
G18xxx	35
G23xxx	36
G24xxx	37
G28xxx	38
G30xxx	39
G36xxx	40
G45xxx	41
G48xxx	42

G10xxx Models

Ref	Part	Description	Qty
1a	W10xxx	Pump Assembly, see Manual 312794	1
1b	See p. 43	Mounting Kit	1
2	24A585	PANEL, air control (includes Parts 3b, 16, 30, and 31)	1
3a	24A575	DATATRAK, assembly (includes Parts 38, 39, 40, and 52; see page 44 for a full parts list).	1
3b	-----	INSERT, panel (included with Part 2)	1
4	256420	HOSE, suction (includes Part 5)	1
5	-----	STRAINER (included with Part 4, or see page 44 for packages of 10)	1
6	223160	FILTER, fluid (if included)	1
7	235208	FITTING, union, 3/8-18 npsm x 3/8-18 npt, (packages with fluid filter)	1
8	189018	SWIVEL, fluid hose (packages with gun)	1
9	241812	HOSE, fluid (packages with gun)	1
10	287926	GUN, G15, carbide (if included)	1
11	AAM413	TIP (packages with gun)	1
12	AAMxxx	TIP OPTION, (packages with gun)	1
13	512351	ADAPTER, outlet, 1/4 nptm x 3/8 nptf	1
14	236390	AIR HOSE, gun, (packages with gun)	1
15	256410	HOPPER (includes 17, 19, 20)	1
16	-----	NUT, lock, M5 x 0.08 (included with Parts 2 and 49) Cart Mount Wall Mount	2 6
17	-----	TUBE, inlet, hopper (included with Part 15)	1
18	120706	CLIP, hose (packages with gun)	1
19	-----	O-RING, hopper (included with Part 15)	1
20	-----	SCREEN, hopper (included with Part 15)	1

Ref	Part	Description	Qty
21	15U426	ADAPTER, inlet, 3/4 nptf to 1/2 nptm, for suction hose	1
30	-----	ELBOW, 3/8T x 1/4 nptm (included with Part 2)	1
31	-----	TUBING, 3/8, (included with Part 2)	1 ft.
32	-----	COVER, gauge, not shown, 12 per sheet (see page 44 for package of 5 sheets)	1
38	-----	SWITCH, reed (included with Part 3a)	1
39	-----	SCREW, switch (included with Part 3a)	1
40	-----	CLAMP, hose (used with DataTrak, see page 44 for packages of 10)	2
48	238909	WIRE, grounding assembly	1
49	24A371	ARM, mounting, wall mount (includes 16, 50, and 51)	2
50	-----	WASHER (included with Part 49)	4
51	-----	SCREW, machine, M5 x 25 (included with Part 49)	4
52	-----	BRACKET, reed switch (included with Part 3a)	1

G15xxx Models

Ref.	Part	Description	Qty.
1a	W15xxx	Pump Assembly, see Manual 312794	1
1b	See p. 43	Mounting Kit	1
2		PANEL, air controls (includes 3b, 16, 30, and 31)	1
	24A585	M02xxx or M04xxx motor, pump and gun	
	24A583	M12xxx motor, pump only	
	24A581	M12xxx motor, pump and gun	
3a		DATATRAK, assembly (includes Parts 38, 39, 40, and 52; see page 44 for a full parts list).	
	24A575	M02xxx and M04xxx motor	1
	24A576	M07xxx, M12xxx, and M18xxx motor	1
3b	-----	INSERT, panel (included with Part 2)	1
4		HOSE, suction (includes Part 5))	1
	256420	LW025x or LW050x Displacement Pump	
	256422	LW150x displacement pump, cart mount	
	256424	LW150x displacement pump, wall mount packages	
5		STRAINER (included with Part 4)	1
	-----	LW025x or LW050x displacement pump, see page 44 for packages of 10)	
	187190	LW150x displacement pump	
6	223160	FILTER, fluid (if included)	1
7	235208	FITTING, union (packages with fluid filter)	1
8	189018	SWIVEL, fluid hose (packages with AA gun)	1
9	241812	HOSE, fluid (packages with gun)	1
10	287926	GUN, G15 Carbide (if included)	1
11	AAM413	TIP, (packages with AA gun)	1
12	AAMxxx	TIP OPTION, (packages with AA gun)	1
13		ADAPTER, outlet	1
	512351	LW025x or LW050x displacement pump, 1/4 nptm x 3/8 nptf	
	121238	LW150x displacement pump, 3/8 nptm x 3/4 nptf	
14	256390	AIR HOSE, gun, (all AA packages)	1
15	256410	HOPPER (includes 17, 19, 20, and 21)	1
16	-----	NUT, lock, M5 x 0.08 (included with Parts 2, 27 and 49)	
		Cart Mount	2
		Wall Mount	6
17	-----	TUBE, inlet, hopper (included with Part 15)	1
18	120706	CLIP, hose (all AA packages)	7
19	-----	O-RING, hopper (included with Part 15)	1
20	-----	SCREEN, hopper (included with Part 15)	1

Ref.	Part	Description	Qty.
21	-----	ADAPTER, 3/4 in. to 1/2 in.	1
	15U426	LW025x displacement pump with hopper (included with Part 15) LW050x or LW075x displacement pump with suction hose	
22	239069	HOSE, whip (if included)	1
26	105335	SCREW (stand mount only)	1
27	24A373	ARM, mounting, stand mount (includes 16, 50, and 51)	2
30	-----	ELBOW (included with Part 2)	1
	-----	M02xxx or M04xxx motor, 1/4 nptm x 1/8T	
	-----	M12xxx motor, 1/2 nptm X 1/2T	
31	-----	TUBING (included with Part 2)	1 ft.
32	-----	COVER, gauge, not shown, 12 per sheet (see page 44 for package of 5 sheets)	1
37	166846	ADAPTER, for whip hose	1
38	-----	SWITCH, reed (included with Part 3a)	1
39	-----	SCREW, switch (included with Part 3a)	1
40	-----	CLAMP, hose (used with DataTrak, see page 44 for packages of 10)	2
48	238909	GROUNDING WIRE assembly	1
49		ARM, mounting, wall mount (includes 16, 50, and 51)	
	24A371	M02xxx or M04xxx motor	2
	15T947	M12xxx motor	2
50	-----	WASHER (included with Parts 27 and 49)	4
51	-----	SCREW, machine, M5 x 25 (included with Parts 27 and 49)	4
52	-----	BRACKET, reed switch (included with Part 3a)	1

G18xxx Models

Ref.	Part	Description	Qty.
1a	W18xxx	Pump Assembly, see Manual 312794	1
1b	See p. 43	Mounting Kit	1
2		PANEL, air controls (includes 3b, 16, 30, and 31)	1
	24A583 24A581	pump only pump and gun	
3a	24A576	DATATRAK, assembly (includes Parts 38, 39, 40, and 52; see page 44 for a full parts list).	1
3b	-----	INSERT, panel (included with Part 2)	1
4		HOSE, suction (includes Part 5)	1
	256422 256424	cart mount packages wall mount packages	
5	187190	STRAINER (included with Part 4)	1
6	223160	FILTER, fluid (if included)	1
7	235208	FITTING, union (packages with fluid filter)	1
8	189018	SWIVEL, fluid hose (packages with AA gun)	1
9	241812	HOSE, fluid (packages with G40 or G40 with RAC tip gun)	1
10		GUN (if included)	1
	249242 249238	G40 G40 with RAC tip	
11	AAM413	TIP, (packages with gun)	1
12		TIP OPTION	1
	AAMxxx	Packages with G40	
13	121237	ADAPTER (if included), 3/8 nptm x 1/2 nptf	1
14	256390	AIR HOSE, gun (all AA packages)	1
16	-----	NUT, lock, M5 x 0.08 (included with Parts 2 and 49)	
		Cart Mount	2
		Wall Mount	6
18	120706	CLIP, hose (all AA packages)	1
22	239069	HOSE, whip (if included)	1
30	-----	ELBOW, 1/2 nptm x 1/2T (included with Part 2)	1
31	-----	TUBING, 1/2 in. (included with Part 2)	1 ft.
32	-----	COVER, gauge, not shown, 12 per sheet (see page 44 for package of 5 sheets)	1
37	166846	ADAPTER, for whip hose	1
38	-----	SWITCH, reed (included with Part 3a)	1
39	-----	SCREW, switch (included with Part 3a)	1
40	-----	CLAMP, hose (used with DataTrak, see page 44 for packages of 10)	2

Ref.	Part	Description	Qty.
48	238909	WIRE, grounding assembly	1
49	15T947	ARM, mounting, wall mount (includes 16, 50, and 51)	2
50	-----	WASHER (included with Part 49)	4
51	-----	SCREW, machine, M5 x 25 (included with Part 49)	4
52	-----	BRACKET, reed switch (included with Part 3a)	1

G23xxx Models

Ref.	Part	Description	Qty.
1a	W23xxx	Pump Assembly, see Manual 312794	1
1b	See p. 43	Mounting Kit	1
2		PANEL, air controls (includes 3b, 16, 30, and 31)	1
	24A583 24A581	pump only pump and gun	
3a	24A576	DATATRAK, assembly (includes Parts 38, 39, 40, and 52; see page 44 for a full parts list).	1
3b	-----	INSERT, panel (included with Part 2)	1
4		HOSE, suction (includes Part 5)	1
	256421 256423	cart mount packages wall mount packages	
5	187146	STRAINER (included with Part 4)	1
6	223160	FILTER, fluid (if included)	1
7	235208	FITTING, union (packages with fluid filter)	1
8	189018	SWIVEL, fluid hose (packages with AA gun)	1
9	241812	HOSE, fluid (packages with gun)	1
10		GUN (if included)	1
	XTR501 249242 249238	XTR 5 G40 G40 with RAC tip	
11	AAM413	TIP Packages with G40	1
12	AAMxxx	TIP OPTION Packages with G40	1
13	512351	ADAPTER (if included), 1/4 nptm x 3/8 nptf	1
14	256390	AIR HOSE, gun (all AA packages)	1
15	256410	HOPPER (includes Parts 17, 19, and 20)	1
16	-----	NUT, lock, M5 x 0.08 (included with Parts 2 and 49)	
		Cart Mount	2
		Wall Mount	6
17	-----	TUBE, inlet, hopper (included with Part 15)	1
18	120706	CLIP, hose (all AA packages)	1
19	-----	O-RING, hopper (included with Part 15)	1
20	-----	SCREEN, hopper (included with Part 15)	1
22	239069	HOSE, whip (if included)	1
30	-----	ELBOW, 1/2 nptm x 1/2 T (included with Part 2)	1
31	-----	TUBING, 1/2 in. (included with Part 2)	1 ft.
32	-----	COVER, gauge, not shown, 12 per sheet (see page 44 for package of 5 sheets)	1
37	166846	ADAPTER, for whip hose	1
38	-----	SWITCH, reed (included with Part 3a)	1
39	-----	SCREW, switch (included with Part 3a)	1

Ref.	Part	Description	Qty.
40	-----	CLAMP, hose (used with DataTrak, see page 44 for packages of 10)	2
48	238909	WIRE, grounding assembly	1
49	15T947	ARM, mounting, wall mount (includes 16, 50, and 51)	2
50	-----	WASHER (included with Part 49)	4
51	-----	SCREW, machine, M5 x 25 (included with Part 49)	4
52	-----	BRACKET, reed switch (included with Part 3a)	1

G24xxx Models

Ref.	Part	Description	Qty.
1a	W24xxx	Pump Assembly, see Manual 312794	1
1b	See p. 43	Mounting Kit	1
2	24A583 24A581	PANEL, air controls (includes 3b, 16, 30, and 31) pump only pump and gun	1
3a	24A576	DATATRAK, assembly (includes Parts 38, 39, 40, and 52; see page 44 for a full parts list).	1
3b	-----	INSERT, panel (included with Part 2)	1
4	256422 256424	HOSE, suction (includes Part 5) cart mount packages wall mount packages	1
5	187190	STRAINER (included with Part 4)	1
6	223160	FILTER, fluid (if included)	1
7	235208	FITTING, union (packages with fluid filter)	1
8	189018	SWIVEL, fluid hose (packages with AA gun)	1
9	241812	HOSE, fluid (packages with gun) XTR, G40 or G40 with RAC tip	1
10	XTR501 249242 249238	GUN (if included) XTR 5 G40 G40 with RAC tip	1
11	AAM413	TIP Packages with G40	1
12	AAMxxx	TIP OPTION Packages with G40	1
13	121238	ADAPTER (if included), 3/8 nptf x 3/4 nptm	1
14	256390	AIR HOSE, gun (all AA packages)	1
16	-----	NUT, lock, M5 x 0.08 (included with Parts 2 and 49) Cart Mount Wall Mount	2 6
18	120706	CLIP, hose (all AA packages)	1
21	15V245	BUSHING	1
22	239069	HOSE, whip (if included)	1
30	-----	ELBOW, 1/2 nptm x 1/2T (included with Part 2)	1
31	-----	TUBING, 1/2 in. (included with Part 2)	1 ft.
32	-----	COVER, gauge, not shown, 12 per sheet (see page 44 for package of 5 sheets)	1
37	166846	ADAPTER, for whip hose	1
38	-----	SWITCH, reed (included with Part 3a)	1
39	-----	SCREW, switch (included with Part 3a)	1
40	-----	CLAMP, hose (used with DataTrak, see page 44 for packages of 10)	2

Ref.	Part	Description	Qty.
48	238909	WIRE, grounding assembly	1
49	15T947	ARM, mounting, wall mount (includes 16, 50, and 51)	2
50	-----	WASHER (included with Part 49)	4
51	-----	SCREW, machine, M5 x 25 (included with Part 49)	4
52	-----	BRACKET, reed switch (included with Part 3a)	1

G28xxx Models

Ref.	Part	Description	Qty.
1a	W28xxx	Pump Assembly, see Manual 312794	1
1b	See p. 43	Mounting Kit	1
2	24A583 24A581	PANEL, air controls (includes 3b, 16, 30, and 31) pump only pump and gun	1
3a	24A576	DATATRAK, assembly (includes Parts 38, 39, 40, and 52; see page 44 for a full parts list).	1
3b	-----	INSERT, panel (included with Part 2)	1
4	256422 256424	HOSE, suction (includes Part 5) cart mount packages wall mount packages	1
5	187190	STRAINER (included with Part 4)	1
6	223160	FILTER, fluid (if included)	1
7	235208	FITTING, union (packages with fluid filter)	1
8	189018	SWIVEL, fluid hose (packages with AA gun)	1
9	241812	HOSE, fluid (packages with gun) XTR, G40 or G40 with RAC tip	1
10	XTR501 249242 249238	GUN (if included) XTR 5 G40 G40 with RAC tip	1
11	AAM413	TIP (Packages with AA gun)	1
12	AAMxxx	TIP OPTION (Packages with AA gun)	1
13	121237	ADAPTER (if included), 3/8 nptm x 1/2 nptf	1
14	256390	AIR HOSE, gun (all AA packages)	1
16	-----	NUT, lock, M5 x 0.08 (included with Parts 2 and 49) Cart Mount Wall Mount	2 6
18	120706	CLIP, hose (all AA packages)	1
22	239069	HOSE, whip (if included)	1
30	-----	ELBOW, 1/2 nptm x 1/2T (included with Part 2)	1
31	-----	TUBING, 1/2 in. (included with Part 2)	1 ft.
32	-----	COVER, gauge, not shown, 12 per sheet (see page 44 for package of 5 sheets)	1
37	166846	ADAPTER, for whip hose	1
38	-----	SWITCH, reed (included with Part 3a)	1
39	-----	SCREW, switch (included with Part 3a)	1
40	-----	CLAMP, hose (used with DataTrak, see page 44 for packages of 10)	2

Ref.	Part	Description	Qty.
48	238909	WIRE, grounding assembly	1
49	15T947	ARM, mounting, wall mount (includes 16, 50, and 51)	2
50	-----	WASHER (included with Part 49)	4
51	-----	SCREW, machine, M5 x 25 (included with Part 49)	4
52	-----	BRACKET, reed switch (included with Part 3a)	1

G30xxx Models

Ref.	Part	Description	Qty.
1a	W30xxx	Pump Assembly, see Manual 312794	1
1b	See p. 43	Mounting Kit	1
2		PANEL, air controls (includes 3b, 16, 30, and 31)	1
	24A586	M02xxx motor, pump only	
	24A585	M02xxx motor, pump and gun	
	24A583	M12xxx motor, pump only	
	24A581	M12xxx motor, pump and gun	
3a		DATATRAK, assembly (includes Parts 38, 39, 40, and 52; see page 44 for a full parts list).	
	24A575	M02xxx and M04xxx motors	1
	24A576	M07xxx, M12xxx, and M18xxx motors	1
3b	-----	INSERT, panel (included with Part 2)	1
4		HOSE, suction (includes Part 5)	1
	256420	LW025x displacement pump	
	256421	LW075x displacement pump, cart mount	
	256423	LW075x displacement pump, wall mount	
5	-----	STRAINER (included with Part 4)	1
		LW025x displacement pump, see page 44 for packages of 10)	
	187146	LW075x displacement pump	
6	223160	FILTER, fluid (if included)	1
7	235208	FITTING, union (packages with fluid filter)	1
8	189018	SWIVEL, fluid hose (packages with AA gun)	1
9		HOSE, fluid (packages with gun)	1
	H52525	G30W57–G30W60	
	214697	G30C13	
	241812	All other packages	
10		GUN (if included)	1
	XTR501	XTR 5	
	249242	G40	
	249238	G40 with RAC tip	
11	AAM413	TIP (Packages with AA guns)	1
12	AAMxxx	TIP OPTION (Packages with AA guns)	1
13	512351	ADAPTER (if included), 1/4 nptm x 3/8 nptf	1
14	256390	AIR HOSE, gun (all AA packages)	1
15	256410	HOPPER (includes Parts 17, 19, and 20)	1
16	-----	NUT, lock, M5 x 0.08 (included with Parts 2, 27 and 49)	
		Cart Mount	2
		Wall Mount	6
17	-----	TUBE, inlet, hopper (included with Part 15)	1
18	120706	CLIP, hose (all AA packages)	1
19	-----	O-RING, hopper (included with Part 15)	1

Ref.	Part	Description	Qty.
20	-----	SCREEN, hopper (included with Part 15)	1
22	239069	HOSE, whip (if included)	1
26	105335	SCREW (stand mount only)	1
27	24A373	ARM, mounting, stand mount (includes 16, 50, and 51)	2
30	-----	ELBOW (included with Part 2)	1
	-----	M02xxx and M04xxx motors, 1/4 nptm x 1/8T	
	-----	M12xxx packages, 1/2 nptm X 1/2T	
31	-----	TUBING (included with Part 2)	1 ft.
32	-----	COVER, gauge, not shown, 12 per sheet (see page 44 for package of 5 sheets)	1
37	166846	ADAPTER, for whip hose	1
38	-----	SWITCH, reed (included with Part 3a)	1
39	-----	SCREW, switch (included with Part 3a)	1
40	-----	CLAMP, hose (used with DataTrak, see page 44 for packages of 10)	2
41	256425	VALVE, drain, stainless steel (includes Parts 44 and 45)	1
44	-----	COUPLING, hose, drain (included with Part 41)	1
45	-----	HOSE, drain (included with Part 41)	1
48	238909	GROUNDING WIRE assembly	1
49		ARM, mounting, wall mount (includes 16, 50, and 51)	
	24A371	M04xxx motor	2
	15T947	M12xxx motor	2
50	-----	WASHER (included with Parts 27 and 49)	4
51	-----	SCREW, machine, M5 x 25 (included with Parts 27 and 49)	4
52	-----	BRACKET, reed switch (included with Part 3a)	1

G36xxx Models

Ref.	Part	Description	Qty.
1a	W36xxx	Pump Assembly, see Manual 312794	1
1b	See p. 43	Mounting Kit	1
2		PANEL, air controls (includes 3b, 16, 30, and 31) pump only, 100 psi pump and gun, 100 psi	1
	24A583 24a581		
3a	24A576	DATATRAK, assembly (includes Parts 38, 39, 40, and 52; see page 44 for a full parts list).	1
3b	-----	INSERT, panel (included with Part 2)	1
4		HOSE, suction (includes Part 5) cart mount packages wall mount packages	1
	256421 256423		
5	187146	STRAINER (included with Part 4)	1
6	223160	FILTER, fluid (if included)	1
7	235208	FITTING, union (packages with fluid filter)	1
8	189018	SWIVEL, fluid hose (packages with AA gun)	1
9	239107	HOSE, fluid (packages with gun)	1
10		GUN (if included) XTR 5 G40 G40 with RAC tip	1
	XTR501 249242 249238		
11	AAM413	TIP (packages with G40 gun)	1
12	AAMxxx	TIP OPTION (packages with G40 gun)	1
13	512351	ADAPTER (if included), 1/4 nptm x 3/8 nptf	1
14	256390	AIR HOSE, gun, (all AA packages)	1
16	-----	NUT, lock, M5 x 0.08 (included with Parts 2 and 49) Cart Mount Wall Mount	2 6
18	120706	CLIP, hose (all AA packages)	1
22	239069	HOSE, whip (if included)	1
30	-----	ELBOW, 1/2 nptm x 1/2T (included with Part 2)	1
31	-----	TUBING, 1/2 in. (included with Part 2)	1 ft.
32	-----	COVER, gauge, not shown, 12 per sheet (see page 44 for package of 5 sheets)	1
37	166846	ADAPTER, for whip hose	1
38	-----	SWITCH, reed (included with Part 3a)	1
39	-----	SCREW, switch (included with Part 3a)	1
40	-----	CLAMP, hose (used with DataTrak, see page 44 for packages of 10)	2
41	256425	VALVE, drain, stainless steel (includes Parts 44 and 45)	1
44	-----	COUPLING, hose, drain (included with Part 41)	1
45	-----	HOSE, drain (included with Part 41)	1

Ref.	Part	Description	Qty.
48	238909	WIRE, grounding assembly	1
49	15T947	ARM, mounting, wall mount (includes 16, 50, and 51)	2
50	-----	WASHER (included with Part 49)	4
51	-----	SCREW, machine, M5 x 25 (included with Part 49)	4
52	-----	BRACKET, reed switch (included with Part 3a)	1

G45xxx Models

Ref.	Part	Description	Qty.
1a	W45xxx	Pump Assembly, see Manual 312794	1
1b	See p. 43	Mounting Kit	1
2		PANEL, air controls (includes 3b, 16, 30, and 31)	1
	24A583	pump only, 100 psi	
	24A1581	pump and gun, 100 psi	
	24A582	pump and gun, 90 psi	
3a	24A576	DATATRAK, assembly (includes Parts 38, 39, 40, and 52; see page 44 for a full parts list).	1
3b	-----	INSERT, panel (included with Part 2)	1
4		HOSE, suction (includes Part 5)	1
	256421	cart mount packages	
	256423	wall mount packages	
5	187146	STRAINER (included with Part 4)	1
6	223160	FILTER, fluid (if included)	1
7	235208	FITTING, union (packages with fluid filter)	1
8	189018	SWIVEL, fluid hose (packages with AA gun)	1
9		HOSE, fluid (packages with gun)	1
	24A412	XTR 5	
	239107	G40 and G40 with RAC tip	
10		GUN (if included)	1
	XTR501	XTR 5	
	249242	G40	
	249238	G40 with RAC tip	
11	AAM413	TIP (packages with G40 gun)	1
12	AAMxxx	TIP OPTION (packages with G40 gun)	1
13	512351	ADAPTER (if included), 1/4 nptm x 3/8 nptf	1
14	256390	AIR HOSE, gun, (all AA packages)	1
15	256410	HOPPER (includes Parts 17, 19, and 20)	1
16	-----	NUT, lock, M5 x 0.08 (included with Part 49)	
		Cart Mount	2
		Wall Mount	6
17	-----	TUBE, inlet, hopper (included with Part 15)	1
18	120706	CLIP, hose (all AA packages)	1
19	-----	O-RING, hopper (included with Part 15)	1
20	-----	SCREEN, hopper (included with Part 15)	1
22	239069	HOSE, whip (if included)	1
30	-----	ELBOW, 1/2 nptm x 1/2T (included with Part 2)	1
31	-----	TUBING, 1/2 in. (included with Part 2)	1 ft.
32	-----	COVER, gauge, not shown, 12 per sheet (see page 44 for package of 5 sheets)	1
37	166846	ADAPTER, for whip hose	1
38	-----	SWITCH, reed (included with Part 3a)	1

Ref.	Part	Description	Qty.
39	-----	SCREW, switch (included with Part 3a)	1
40	-----	CLAMP, hose (used with DataTrak, see page 44 for packages of 10)	2
41	256425	VALVE, drain, stainless steel (includes Parts 44 and 45)	1
44	-----	COUPLING, hose, drain (included with Part 41)	1
45	-----	HOSE, drain (included with Part 41)	1
48	238909	WIRE, grounding assembly	1
49	15T947	ARM, mounting, wall mount (includes 16, 50, and 51)	2
50	-----	WASHER (included with Part 49)	4
51	-----	SCREW, machine, M5 x 25 (included with Part 49)	4
52	-----	BRACKET, reed switch (included with Part 3a)	1

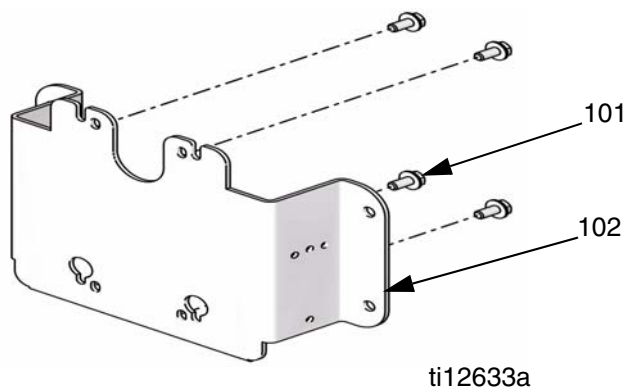
G48xxx Models

Ref.	Part	Description	Qty.
1a	W48xxx	Pump Assembly, see Manual 312794	1
1b	See p. 43	Mounting Kit	1
2		PANEL, air controls (includes 3b, 16, 30, and 31) pump only, 100 psi pump and gun, 85 psi	1
	24A583 24A584		
3a	24A576	DATATRAK, assembly (includes Parts 38, 39, 40, and 52; see page 44 for a full parts list).	1
3b	-----	INSERT, panel (Included with Part 2)	1
4	256423	HOSE, suction (includes Part 5)	1
5	187146	STRAINER (included with Part 4)	1
6	223160	FILTER, fluid (if included)	1
7	235208	FITTING, union (packages with fluid filter)	1
8	189018	SWIVEL, fluid hose (packages with AA gun)	1
9		HOSE, fluid (packages with gun) XTR 5 G40 and G40 with RAC tip	1
	24A412 239107		
10		GUN (if included) XTR 5 G40 G40 with RAC tip	1
	XTR501 249242 249238		
11	AAM413	TIP (packages with G40 gun)	1
12	AAMxxx	TIP OPTION (packages with G40 gun)	1
13	512351	ADAPTER (if included), 1/4 nptm x 3/8 nptf	1
14	256390	AIR HOSE, gun (all AA packages)	1
15	256410	HOPPER (includes Parts 17, 19, and 20)	1
16	-----	NUT, lock, M5 x 0.08 (included with Parts 2 and 49) Cart Mount Wall Mount	2 6
17	-----	TUBE, inlet, hopper (included with Part 15)	1
18	120706	CLIP, hose (all AA packages)	1
19	-----	O-RING, hopper (included with Part 15)	1
20	-----	SCREEN, hopper (included with Part 15)	1
22	239069	HOSE, whip (if included)	1
30	-----	ELBOW, 1/2 nptm x 1/2T (included with Part 2)	1
31	-----	TUBING, 1/2 in. (included with Part 2)	1 ft.
32	-----	COVER, gauge, not shown, 12 per sheet (see page 44 for package of 5 sheets)	1
37	166846	ADAPTER, for whip hose	1
38	-----	SWITCH, reed (included with Part 3a)	1
39	-----	SCREW, switch (included with Part 3a)	1

Ref.	Part	Description	Qty.
40	-----	CLAMP, hose (used with DataTrak, see page 44 for packages of 10)	2
41	256425	VALVE, drain, stainless steel (includes Parts 44 and 45)	1
44	-----	COUPLING, hose, drain (included with Part 41)	1
45	-----	HOSE, drain (included with Part 41)	1
48	238909	WIRE, grounding assembly	1
49	15T947	ARM, mounting, wall mount (includes 16, 50, and 51)	2
50	-----	WASHER (included with Part 49)	4
51	-----	SCREW, machine, M5 x 25 (included with Part 49)	4
52	-----	BRACKET, reed switch (included with Part 3a)	1

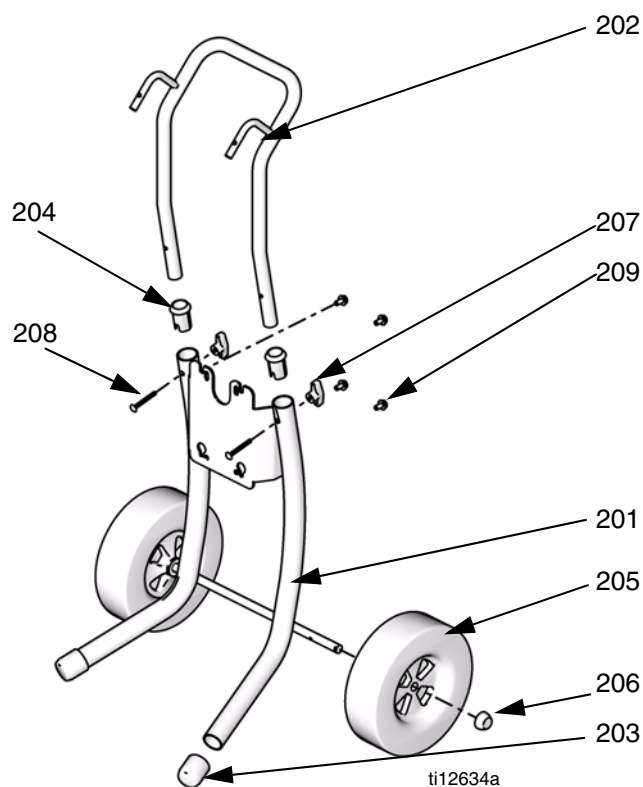
Kits

Wall Mount Kit 24A578



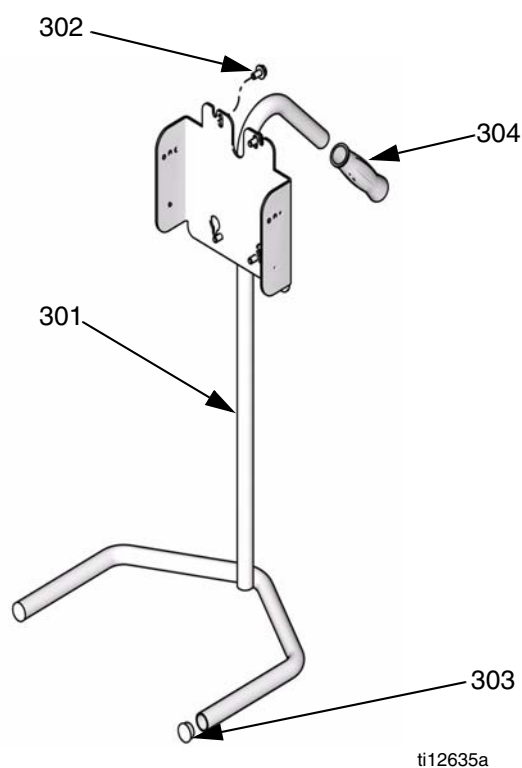
Ref.	Part	Description	Qty.
101	111799	SCREW, cap, M8 x 1.25	4
102	15T795	PLATE, wall mount	1

Cart Mount Kit 256427



Ref.	Part	Description	Qty.
201	289692	CART, frame	1
202	289693	HANDLE, cart	1
203	15C871	CAP, leg	2
204	277790	SLEEVE, cart handle	1
205	119451	WHEEL, semi-pneumatic	2
206	119452	CAP, hub	2
207	115480	KNOB, t-handle	2
208	116630	SCREW, carriage	2
209	111799	SCREW, cap, M8 x 1.25	4

Stand Mount Kit 24A577



Ref.	Part	Description	Qty.
301	24A415	FRAME	1
302	111799	SCREW, cap, M8 x 1.25	4
303	105521	PLUG, tubing	2
304	108063	GRIP, handle	1

Mounting Accessories Kits

Includes two mounting arms (49), 6 lock nuts (16), four machine screws (51), and four washers (50).

Kit	Packages
24A371	Cart mount packages with M02xxx or M04xxx air motors.
24A373	All stand mount packages.
24A593	Cart mount packages with M07xxx, M12xxx, or M18xxx air motors.

Control Panel Kits

Includes control panel (2), insert (3b), two lock nuts (16), elbow fitting (30), and tube (31).

Kit	Packages
24A581	Packages with an AA gun and M07xxx, M12xxx, or M18xxx air motor.
24A582	45:1 Packages with an AA gun, 90 psi maximum air inlet, see page 13,
24A583	Packages with no gun and M07xxx, M12xxx, or M18xxx air motors.
24A584	48:1 Packages with an AA gun, 85 psi maximum air inlet, see page 13.
24A585	Packages with an AA gun and M02xxx or M04xxx air motor.
24A586	Packages with no gun, or an airless gun, and a M02xxx or M04xxx air motor.
24A540	5 Pack of gauge covers.

Suction Hose Kits

Includes suction hose (4) and strainer (5).

Kit	Packages	Wall/Cart
256420	10:1, 15:1, 30:1 -- M02xxx and M04xxx air motors only	Both
256421	23:1, 30:1 (M12xxx X L075xx), 36:1, 45:1, 48:1	Cart
256422	15:1 (M12xxx X L150xx), 18:1, 24:1, 28:1	Cart
256423	23:1, 30:1 (M12xxx X L075xx), 36:1, 45:1, 48:1	Wall
256424	15:1 (M12xxx X L150xx), 18:1, 24:1, 28:1	Wall

256426 - Package of 10 strainers (5) for Kit 256420.

24A954 - 55-gallon siphon hose kit, includes bung adapter and strainer.

Hopper Kit 256410

Includes hopper (15), inlet tube (17), o-ring (19), and screen (20), and fitting (21, 25cc pumps only).

Drain Valve Kit 256425

Includes drain valve (41), coupling (44), and hose (45).

DataTrak Kit

Includes DataTrak (3a), two hose clamps (40), reed switch (38), screw (39), and reed switch bracket (52). Also includes solenoid, solenoid bracket and two bolts from air motor parts list (see manual 312796).

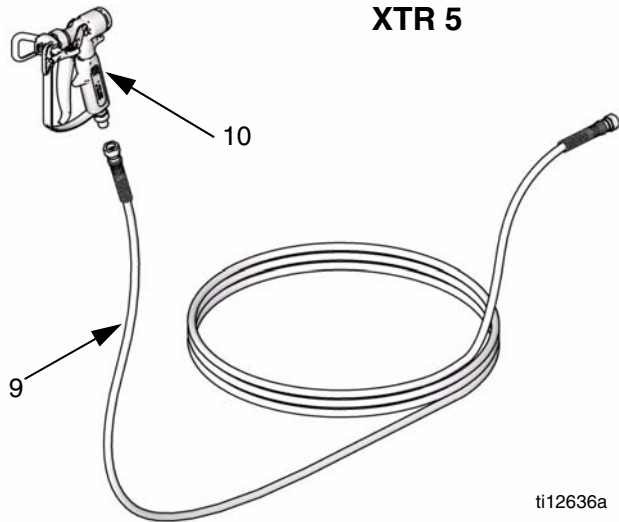
Kit	Packages
24A575	All packages with M02xxx or M04xxx air motors.
24A576	All packages with M07xxx, M12xxx, or M18xxx air motors.

DataTrak with Cycle Count Only Kit

24A592 - Includes DataTrak (3a), 2 hose clamps (40), reed switch (38), screw (39), and reed switch bracket (52).

Guns and Hoses

To find the correct parts for your model, locate the gun you have. The correct hoses and related parts are listed in the table below each gun.



Ref. Part	Description	Qty.
9	241812 HOSE, fluid(G10xxx-G30xxx packages)*	1
	24A446 HOSE, fluid (G36xxx packages only)	
	24A412 HOSE, fluid (G45xxx and G48xxx packages only)	
10	XTR501 GUN	1

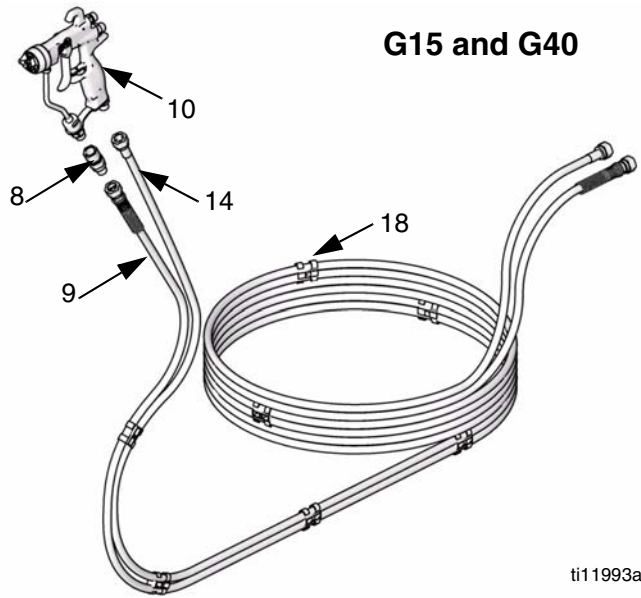
* G30W57-G30W60 use fluid hose H52525

50-Foot Hose Kit 24A955

Part	Description	Qty.
214697	HOSE, fluid	1
256389	HOSE, air	1

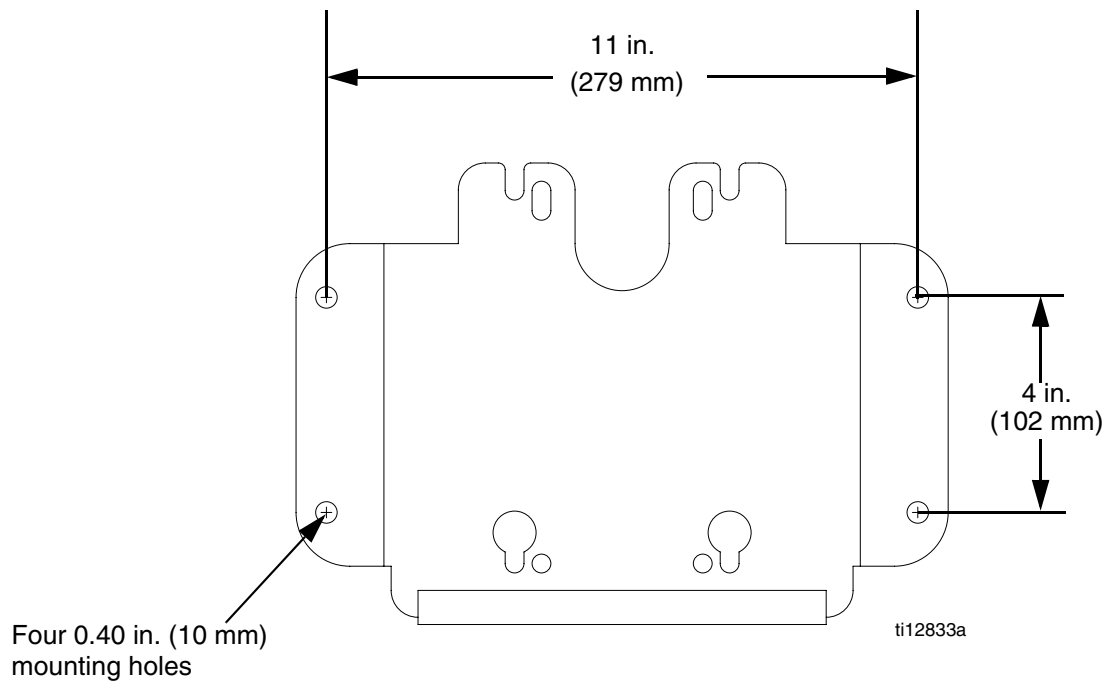
25-Foot Hose Kit 24A956

Part	Description	Qty.
239097	HOSE, fluid	1
236130	HOSE, air	1



Ref.	Part	Description	Qty.
8	189018	SWIVEL, fluid hose	1
9	241812	HOSE, fluid, for G10xxx-G30xxx packages)	1
	24A446	HOSE, fluid, for G36xxx-G48xxx packages	1
10	249242	GUN, G40	1
	249238	GUN, G40 with RAC tip	1
	287926	GUN, G15	1
11	AAM413	TIP	
12	AAMxxx	TIP, option, see gun manual	
14	256390	HOSE, air	
18	120706	CLIP, hose	7
22	239069	HOSE, whip (G36xxx-G48xxx packages only)	1
37	166846	ADAPTER, for whip hose	

Wall Bracket Mounting Dimensions



Technical Data

Maximum fluid working pressure.	See Models table on page 5.
Maximum air inlet pressure.	100 psi (0.7 MPa, 7.0 bar)
Maximum gun air inlet pressure	50 psi (0.35 MPa, 3.5 bar)
Ratio	See Models table on page 5.
Maximum operating temperature	120°F (49°C)
Sound data	See Technical Data in air motor manual 312796.

Package Weights

Ratio, Motor, Displacement Pump	Weight in lb (kg)				
	Mounted Pump*	Mounted pump* + siphon kit	Mounted pump + siphon kit + fluid filter	Mounted pump* + siphon kit or hopper + gun and hoses	Mounted pump* + siphon kit or hopper + gun and hoses + fluid filter
Cart Mount					
10:1, M04xxx, LW075x	68 (31)	69 (32)	----	76 (35)	81 (37)
15:1, M02xxx, LW025x	53 (24)	54 (25)	----	62 (29)	67 (31)
15:1, M04xxx, LW050x	66 (30)	67 (31)	----	75 (34)	79 (36)
15:1, M12xxx, LW150x	100 (45)	103 (47)	109 (49)	-----	113 (51)
18:1, M12xxx, LW125x	100 (45)	104 (47)	109 (49)	-----	113 (51)
23:1, M12xxx, LW100x	98 (45)	101 (46)	105 (48)	-----	111 (50)
24:1, M18xxx, LW150x	102 (46)	-----	111 (50)	-----	116 (53)
28:1, M18xxx, LW125x	102 (46)	-----	111 (50)	-----	116 (53)
30:1, M04xxx, LW025x	60 (28)	61 (28)	-----	68 (31)	73 (34)
30:1, M12xxx, LW075x	94 (43)	98 (45)	104 (47)	-----	108 (49)
36:1, M18xxx, LW100x	100 (45)	-----	108 (49)	-----	114 (52)
45:1, M12xxx, LW050x	92 (42)	96 (43)	101 (46)	101 (46)	106 (48)
48:1, M18xxx, LW075x	97 (44)	-----	105 (48)	106 (48)	110 (50)
Wall Mount					
10:1, M04xxx, LW075x	42 (19)	43 (20)	-----	48 (22)	53 (24)
15:1, M02xxx, LW025x	27 (12)	28 (13)	-----	33 (15)	38 (17)
15:1, M04xxx, LW050x	40 (18)	41 (19)	-----	46 (21)	51 (23)
15:1, M12xxx, LW150x	73 (33)	-----	81 (37)	-----	86 (39)
18:1, M12xxx, LW125x	72 (33)	-----	81 (37)	-----	86 (39)
23:1, M12xxx, LW100x	70 (32)	-----	78 (35)	-----	83 (38)
24:1, M18xxx, LW150x	76 (35)	-----	84 (38)	-----	89 (40)
28:1, M18xxx, LW125x	75 (34)	-----	83 (38)	-----	87 (39)
30:1, M04xxx, LW025x	34 (15)	35 (16)	-----	40 (18)	44 (20)
30:1, M12xxx, LW075x	67 (30)	-----	75 (34)	-----	80 (36)
36:1, M18xxx, LW100x	73 (33)	-----	81 (37)	-----	87 (39)
45:1, M12xxx, LW050x	65 (29)	-----	73 (33)	-----	80 (36)
48:1, M18xxx, LW075x	70 (32)	-----	78 (35)	-----	84 (38)
Stand Mount					
15:1, M02xxx, LW025x	29 (13)	30 (14)	-----	36 (16)	41 (19)
15:1, M04xxx, LW025x	36 (16)	37 (17)	-----	43 (20)	48 (22)
15:1, M04xxx, LW050x	42 (19)	43 (20)	-----	49 (22)	54 (25)

* Includes air controls.

----- This component configuration is not offered for these models.

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Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

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TO PLACE AN ORDER, contact your Graco distributor or call to identify the nearest distributor.

Phone: 612-623-6921 **or Toll Free:** 1-800-328-0211 **Fax:** 612-378-3505

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