

27
Painting Equipment

<p>Graco Products</p>  <p>P. 27-1 ~ 7</p>	<p>Asahi Sunac Products</p>  <p>P. 27-7 ~ 8</p>
<p>Iwata Products</p>  <p>P. 27-9 ~ 10</p>	<p>Paint Spray Guns and Containers</p>  <p>P. 27-10 ~ 11</p>
<p>Paint Stirrers</p>  <p>P. 27-11</p>	<p>Cleaning Guns/Air Dusters</p>  <p>P. 27-11 ~ 12</p>

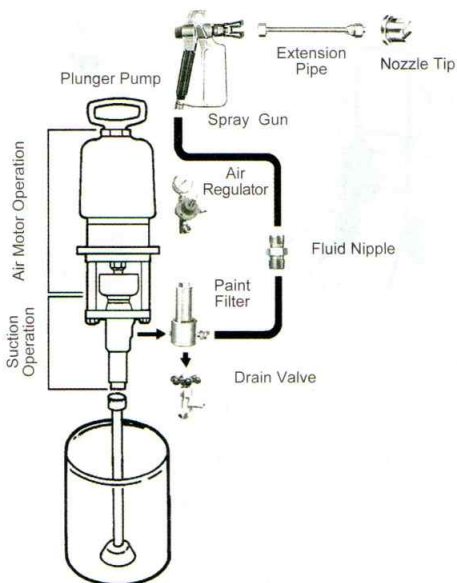
Airless Spray System

Sistema de Pintado a Pistola

エアレス・スプレー・システム 真空噴塗設備

Airless spray systems operate using high pressure to apply paint by forcing it through a specially shaped nozzle into a confined spray which cleanly and fully covers the painting surface. The pressure is provided by a pump which draws the paint up through the hose to the airless spray gun.

Airless spray machines are 4 times faster and 35 - 55 % more efficient than air spray machines with less paint loss through overspray. Airless systems can also handle thicker based paints and applicators easier and with better results than air spray or conventional methods.



Safe Operation of Airless Equipment

Airless spray equipment generates very high fluid pressure. To reduce the risk of fluid injection injury, burns from fire or explosion, or splashing of fluid on the skin or in the eyes, the following precautions must be followed.

1. Always read and follow all safety warnings in the instruction manual.
2. Always follow all recommendations regarding the use of protective clothing, eyewear and equipment.
3. Never exceed the maximum working pressure of any component in your system.
4. High velocity fluid moving through sprayers and hoses generates static electricity. Ground all equipment and objects being sprayed.
5. Make certain that the fluids you are pumping are compatible with the wetted parts of all components in your system. Do not use 1, 1, 1 - trichloroethane, methylene chloride, or other halogenated hydrocarbons with the sprayers and accessories. Such use could result in a serious chemical reaction which could cause serious injury and property damage.
6. Spray solvent - based fluids only in well ventilated areas, to exhaust the solvent vapors.
7. To reduce the risk of serious bodily injury from high pressure fluid, keep your fingers and hands away from the gun nozzle. Do not alter the tip guard or remove the trigger guard. Always relieve pressure and engage the trigger safety lock when you stop spraying.

Airless Paint Sprayers

Air-powered Type

Pintado a Pistola/Tipo: Neumática

エアレスペイント塗装機 エア駆動式 气动无气喷漆器

Many types of sprayers are available for various jobs. The most common products for marine use are described below with their respective specifications.

Sprayers with much tougher fittings including specially treated, chromed stainless steel rods and cylinders which withstand wear and operate over a longer span or time when pumping highly abrasive or corrosive materials.



27 01 06



27 01 07

Unit Per Set

CODE	27 01 06	27 01 07
Name	Monark Light Duty Cart	President SD Cart
Model	232-411	231-922
Pump Ratio	23:1	30:1
Max. Flow Ratio	2 ltr/min.	4 ltr/min.
Max. Air Work Pressure	0.7 MPa (7 kgf/cm ²)	
Air Consumption	4-5 N ltr/cycle	11-14 N ltr/cycle
Dimensions mm.	370 × 400 × 1,000	530 × 510 × 980
Weight	20 kg	39 kg
Air Hose Connection	NPT 3/8 Female	NPT 3/8 Female
Paint Hose Connection	NPSM 1/4 Male	NPT 1/4 Male

Name of Mfr.: Graco Inc.

Airless Sprayers Heavy-duty Cart

Pistola de pintado sin aire de tipo carro

カート式エアレススプレーヤー

手推式无空气喷漆机

KING®

The Graco King units are designed to withstand the harshest environmental conditions and easily handle the toughest protective coatings and corrosion control applications. The King simply rules in all conditions.

- Outperforms and outlast traditional airless sprayers.
- Low repair and spares costs.
- Simple Maintenance - with removable valve cover and easy



access to poppet valves.

- Reduced Icing Potential - up to 70% reduction with thermally isolated poppets.
- Less Pulsation - smoother changeover and no pressure drops.
- Improved Sealing and Strength - with enhanced edge loading and seven throat packings instead of five.
- Multi-Gun Capabilities - with more powerful and efficient changeovers, the ability to spray with up to six guns is now a reality.
- Intrinsically safe for use in EX environments. Conforms to Directives ATEX 94/9/EC, Ex II 2 G c 230°C, Ex II 2 G c T6.

How to order: CODE

Sprayer, airless, heavy-duty cart type, King, complete package that includes XTR airless gun, 15 m x 3/8" hose and 1.8 m x 1/4" whip hose.

Unit Per Set				
CODE	Pump Ratio	Motor Type	Package	Model
27 08 11	45 : 1	6,500 cc	King Airless Spray Unit	K45FH1
12	60 : 1	XL Air		K60FH1
13	70 : 1	Motor		K70FH1

Name of Mfr.: Graco Inc.

KING XL

Ideal for use in a high-output environment. Run up to six guns with virtually no pulsation or pattern fluctuation.

- The high output, high efficiency 10,000 cc XL Air Motor allows multiple guns with almost no perceivable pulsation.
- Reduced amount of total cycles results in less wear and tear on pump components, less downtime and maintenance expense.
- Elimination of non-restartable icing stalls for more uptime.

Unit Per Set				
CODE	Pump Ratio	Motor Type	Package	Model
27 08 14	47 : 1	10,000 cc	King XL Airless Spray Unit	K47FH1
15	71 : 1	XL Air		K71FH1
16	82 : 1	Motor		K82FH1

Name of Mfr.: Graco Inc.

Spray Packages





Conjunto de rociado
スプレーパッケージ 噴霧包

Triton™

High quality fine finish spray packages for wood and metal applications. Low pulsation output and smooth pump change over deliver a consistent spray pattern. Quick colour changed and fast material refills save time and money. Stainless steel or aluminium pump handles a wide variety of fluids.

Material of Pump Handles: Stainless Steel or Aluminium

Type of Mount Configuration

	
Pail Mount	Stand Mount
	
Cart Mount	Wall Mount

Selection of Spray Gun

1. Determine feed : Pressure, Gravity, or Siphon
2. If Pressure feed, identify application type :
 - General Metal Spray Guns
 - General Metal with Stainless Steel Tip
 - Wood Applications
 - High Wear Applications
 - Waterborne Applications
 - Adhesive Applications
 - Spatter Applications
3. Select spray type : HVLP, Compliant, or Conventional

Spray Type			
Type	HVLP	Compliant	Conventional
Finish Quality	Good	Better	Best
Transfer Efficiency	High	High	Medium
Fluid flow	Low	Medium	High
Air Flow	High	Low	Low

Select Material Viscosity

Metal Viscosity	Viscosity (centipoises)
Light	5 - 15
Light - Medium	15 - 30
Medium	30 - 70
Medium - Heavy	70 - 100
Heavy	> 100

Average Flow Rate

Material Viscosity	oz/min.	ltr/min.	Material Viscosity	oz/min.	ltr/min.
Light	4 – 8	0.12 – 0.24	Medium	12 – 16	0.36 – 0.53
	4 – 10	0.12 – 0.30		12 – 18	0.36 – 0.53
	4 – 12	0.12 – 0.35		14 – 18	0.41 – 0.53
	6 – 12	0.18 – 0.35		14 – 25	0.41 – 0.74
	8 – 20	0.24 – 0.59		16 – 30	0.47 – 0.89
Light-Medium	3 – 5	0.09 – 0.15	Medium-Heavy	16 – 35	0.47 – 0.95
	4 – 6	0.12 – 0.18		16 – 20	0.47 – 0.59
	4 – 10	0.12 – 0.30		16 – 35	0.47 – 1.04
	6 – 12	0.18 – 0.35		16 – 40	0.47 – 1.18
	8 – 12	0.24 – 0.36	Heavy	18 – 22	0.53 – 0.65
	8 – 14	0.24 – 0.41		16 – 45	0.47 – 1.33
	8 – 20	0.24 – 0.59		20 – 24	0.59 – 0.71
	10 – 14	0.30 – 0.41			

Technical Specification of Spray Package

Max. Fluid Working Pressure	100 psi (0.7 MPa, 7 bar)	Pump Inlet	3/4 npt (f)
Max. Air Input Pressure	100 psi, (0.7 MPa, 7 bar)	Pump Outlet	3/8 npt (f)
Max. Fluid Flow (Pump at 212 cpm)	8.5 gpm (32 lpm)	Fluid Outlet Fitting	3/8 npt (m)
Pump Displacement	5 oz/cycle (160 cc cycle)	Weight	
Air Inlet Fitting	1/4 npt (f)	Pail Mount Package (Alum/SST)	22 lb (10 kg)/ 28 lb (12.7 kg)
Acetal Fluid Regulator Outlet Fitting	3/8 npt (m)	Stand Package	20 lb (9.1 kg)/ 27 lb (12.3 kg)
Stainless Steel Fluid Regulator Outlet Fitting	3/8 npsm (m)	Cart Package	30 lb (13.6 kg)/ 36 lb (16.4 kg)
		Wall Mount Package (Alum/SST)	19 lb (8.6 kg)/ 24 lb (10.9 kg)

Average Air Consumption

Type of Spray	HVLP	Compliant	Conventional
Gun	15.0 scfm	12.0 scfm	14.0 scfm
Pump	1.5 scfm	1.5 scfm	1.5 scfm
Total	16.5 scfm	13.5 scfm	15.5 scfm

How to order: CODE

Spray package, Triton™, MATERIAL of PUMP HANDLE, TYPE of MOUNT, SELECTION of GUN (Type of Feed, Type of Spray, Material Viscosity, Average Flow Rate)

CODE	Mount Type	Gun			Model
		Feed	Spray	Viscosity	
27 08 21 22	Pail	Pressure	General Metal	HVLP	233470
				Conventional	233468
23	Stand			Conventional	233475
24	Cart				233482
25	Wall				233489

Stainless Steel Pump Handle

27 08 26	Stand	Pressure	General Metal	Conventional	233476
27	Cart				233483
28	Wall				233490

Name of Mfr.: Graco Inc.

Finishing Packages

Conjunto de acabado

フィニッシュパッケージ 修整包

Merkur™

Merkur pumps are designed to improve productivity, reduce costs, lower emissions and provide consistent, high quality finishes. Ideal for small to medium jobs and easy to move around the jobsite.



Unit Per Set

CODE	27 08 46	27 08 48	27 08 44	27 08 49
Model No.	G30C55	G36C11	G48C07	16U918
Pump Ratio	30:1	36:1	48:1	72:1
Spray Gun Type	XTR	G40	G40	XTR
Fluid Flow @60 cpm	1.2 gpm (4.5 lpm)	1.6 gpm (6 lpm)	1.2 gpm (4.5 lpm)	0.8 gpm (3.0 lpm)
Max. Fluid Outlet Pressure	3,000 psi (206 bar)	3,600 psi (248 bar)	4,000 psi (275 bar)	7,200 psi (500 bar)
Max. Air Inlet Pressure	100 psi (7 bar)	100 psi (7 bar)	85 psi (5.8 bar)	100 psi (7 bar)
Air Consumption @100 psi (7 bar, 0.7 MPa) @20 cpm	17 scfm (0.48 m³/min)	26 scfm (0.74 m³/min)	26 scfm (0.74 m³/min)	20 scfm (0.57 m³/min)
Fluid Inlet Size	3/4 npt(m)			1-1/4 npt(m)
Fluid Outlet Size	3/8 npt(m)			
Air Inlet (Motor)	1/4" npt(f)	1/2" npt(f)		

Name of Mfr.: Graco Inc.

Spray Guns



G40	XTR
Air-Assisted Gun designed for high pressure industrial applications.	Airless Spray Gun. Rugged design to handle the toughest protective coatings. Compact design allows for easy maneuverability.

Airless Paint Sprayers

Electric-powered

Pistola Pintado/Tipó: Eléctrica

エアレスペイント塗装機電動式 电动式无气喷漆器

Portable electric paint sprayers with proven high performance and reliability. Choose Classic for small to medium paint and maintenance jobs, whilst in transit. The UltraMax and the Mark Procontractor range handles perfectly all protective coating primers and top coats, ideal for more demanding jobs.



Unit Per Set							
CODE	27 08 71	27 08 52	27 08 67	27 08 66	27 08 79	27 08 70	27 08 69
Type	Classic 390 PC		Ultra Max II 695		Mark Procontractor V		Mark Procontractor X
Power Source	110V	230V	110V	230V	110V	230V	230V
Model No.	17C347	17C348	17E634	17E632	17E662	17E660	17E671
Max. Flow Ratio	1.8 l/min (0.47 gpm)		3.0 l/min (0.75 gpm)		4.3 l/min (1.2 gpm)		8.3 l/min (2.2 gpm)
Max. Pres- sure	227 bar (3,300psi)						

Name of Mfr.: Graco Inc.

Gun and Hose Kits for Ultra Series

Electric Airless Paint Sprayer

Juego de Pistola y Manguera para Atomizador Eléctrico de Pintura
ガン・ホースキット
Ultra 系列用噴槍軟管組



Unit Per Set		
CODE	Model No.	Contents
27 01 17	288-497 240794	* 1 pc FTX Gun
		* 1 pc Tip
		* 1 lgh Bluemax hose 1/4 x 15 mtr
27 01 18	288-431 240793	* 1 pc FTX Gun
		* 1 pc Tip
		* 1 lgh Bluemax hose 1/4 x 7.5 mtr

Name of Mfr.: Graco Inc.

Airless Paint Spray Hand Guns

Pistolas Manuales de Pintado
エアレス・ハンド・スプレーガン 无气喷漆枪



Contractor Gun 288-420 Silver Gun 235-461

Unit Per Pc.		
CODE	27 01 21	27 01 23
Name	Contractor Gun	Silver Gun
Model No.	288-420	235-461
Max. Working Pressure	24.8 MPa (248 bar)	34.5 MPa (345 bar)
Inlet Size	1/4 NPSM (M)	1/4 NPSM (M)
Orifice Diam.	3.2 mm	2.3 mm
Description	Durable Standard gun. Easy operation.	Light-weight. Recommendable for high ratio spray machines.
Name of Mfr.: Graco Inc.		

Airless Spray Guns

XTR

Pistola rociadora neumática
エアレススプレーガン 空气喷枪



A rugged design to handle the toughest protective coatings. Built for extreme conditions. A compact design allows for easy maneuverability. Trigger is designed for four fingers.

- XTR-5:
Maximum fluid pressure of 345 bar, 34.5 MPa (5,000 psi)
- XTR-7:
Maximum fluid pressure of 500 bar, 50 MPa (7,250 psi)

Tips: 519 XHD RAC

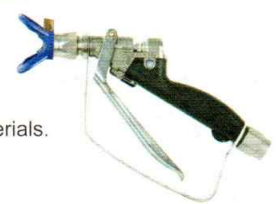
Orifice Size : 0.019"
Flow Width : 10" – 12" (254 mm – 305 mm)
Flow Rate : 0.38 gpm (1.47 lpm)

Unit Per Pc.			
CODE	Handle Shape	Tip	Model
XTR-5			
27 09 01 02 03	Round	No tip	XTR500
	Oval-Insulated	519 XHD RAC	XTR502
	Round	519 XHD RAC	XTR504
XTR-7			
27 09 04 05 06	Round	No tip	XTR700
	Oval-Insulated	519 XHD RAC	XTR702
	Round	519 XHD RAC	XTR704

Name of Mfr.: Graco Inc.

Airless Spray Guns

Pistola rociadora neumática
エアレススプレーガン 空气喷枪



Optimized flow for thicker materials.
30° bend at head of gun.

Unit Per Pc.	
CODE	27 10 01
Model	Texspray Inline 245820
Max. Working Pressure	280 bar
Fluid Orifice Diameter	6.35 mm
Name of Mfr.: Graco Inc.	

Extensions for Airless Spray Gun

Extensiones de pistola rociadora
エアレススプレーガン用延長ノズル 无气喷枪加长喷嘴

Increase comfort, speed and productivity needed to spray hard to reach areas without using ladders or scaffolding.



Unit Per Pc.			Unit Per Pc.		
CODE	Length	Model	CODE	Length	Model
Tip Extensions			Cleanshot Poleguns		
27 10 11	25 cm	287019	27 10 15	90 cm	287026
12	38 "	287020	16	180 "	287027
13	51 "	287021			
14	76 "	287022			

Name of Mfr.: Graco Inc.

Airless Paint Spray Roller

Jet Roller

Rodillo rociador de pintura sin aire
エアレスペイントスプレーローラー
无气涂料喷涂辊



The JetRoller combines rolling and spraying into one action, saving time and labor on spray/back roll projects. This consists of a spray roller, a spray extension and a hand roller in one complete kit. Lightweight and portable, it fits existing airless sprayers and is the ideal time-saving addition to your painting arsenal. Ideal for rough or porous surfaces.

Specification of Reversible Tips

Model	Max. Pressure	Orifice (Inch)	Fan Width							
			10 cm	15 cm	20 cm	25 cm	30 cm	35 cm	40 cm	60 cm
RAC10-FFA	350	0.008"	FFA-208	FFA-308						
		0.010"	FFA-210	FFA-310	FFA-410	FFA-510				
		0.012"	FFA-212	FFA-312	FFA-412	FFA-512	FFA-612			
		0.014"	FFA-214	FFA-314	FFA-414	FFA-514	FFA-614			
RAC10-PAA	350	0.015"	PAA-215	PAA-315	PAA-415	PAA-515	PAA-615			
		0.017"	PAA-217	PAA-317	PAA-417	PAA-517	PAA-617		PAA-817	
		0.019"	PAA-219	PAA-319	PAA-419	PAA-519	PAA-619		PAA-819	
		0.021"	PAA-221	PAA-321	PAA-421	PAA-521	PAA-621	PAA-721	PAA-821	PAA-1221
		0.023"		PAA-323	PAA-423	PAA-523	PAA-623	PAA-723		WA-1223
		0.025"		PAA-325	PAA-425	PAA-525	PAA-625			WA-1225
RAC10-HDA	350	0.027"		HDA-327	HDA-427	HDA-527	HDA-627		HDA-827	HDA-1227
		0.029"		HDA-329	HDA-429	HDA-529	HDA-629	HDA-729		HDA-1229
		0.031"		HDA-331	HDA-431	HDA-531	HDA-631		HDA-831	HDA-1231
		0.033"			HDA-433	HDA-533	HDA-633		HDA-833	HDA-1233
		0.035"		HDA-335	HDA-435	HDA-535	HDA-635	HDA-735	HDA-835	HDA-1235
XHD	500	0.13"				XHD-513	XHD-613			
		0.15"			XHD-415	XHD-515	XHD-615			
		0.017"			XHD-417	XHD-517	XHD-617			
		0.019"			XHD-419	XHD-519	XHD-619			
		0.021"			XHD-421	XHD-521	XHD-621			
		0.023"			XHD-423	XHD-523	XHD-623			
		0.025"			XHD-425	XHD-525	XHD-625			

Unit Per Pc.					
CODE	27 04 21	27 04 22	27 04 23	27 04 24	27 04 25
Model	24U172	24W128	24V490	24V491	25A841
Roll Style	USA	USA	Europe	Europe	UK
Roll Frame	9"	18"	18 cm	25 cm	9"
Tip	LTX721	WR1223	PAA515	PAA721	LTX721
In-Line Valve	○	○	○	○	○
45° Swivel	-	-	-	-	-
Clean Shot	○	○	○	○	○

Name of Mfr.: Graco Inc.

High-Pressure Airless Spray Tips

RAC10, XHD

Puntas de pistolas rociadoras sin aire de alta presión
高压エアレススプレー用チップ 高压无气喷嘴



RAC X-FFA



RAC X-PAA



RAC X-HDA



XHD

Improve spraying productivity and reduce downtime with the HD RAC switch tip. Saves time – no screwdriver required. Change tip sizes in seconds – without removing the tip guard housing. Locking tab ensures tip stays securely in guard.

RAC X tips

- Choose the RAC X tips for Airless applications up to 350 bar.
- * FFA tip (green) for Fine Finish applications.
 - * PAA tip (blue) for all Professional Airless Applications.
 - * HDA tip (brown) for Heavy Duty Airless applications.

XHD

For heavy-duty applications up to 500 bar (50.0 MPa, 7,250 psi). Recommended for Xtreme® sprayers and XTR™ airless spray guns.

Unit Per Pc.

CODE	Model	CODE	Model	CODE	Model
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RAC10-FFA Tips					
27 09 07	FFA208	27 09 17	FFA308	27 09 38	FFA510
08	FFA210	18	FFA310	39	FFA512
09	FFA212	19	FFA312	40	FFA514
10	FFA214	20	FFA314	42	FFA612
		28	FFA410	43	FFA614
		27 09 29	FFA412		
		30	FFA414		

RAC10-PAA Tips					
27 09 44	PAA215	27 09 58	PAA419	27 09 78	PAA619
45	PAA217	59	PAA421	79	PAA621
46	PAA219	60	PAA423	80	PAA623
47	PAA221	68	PAA425	81	PAA625
48	PAA315	69	PAA515	82	PAA721
27 09 49	PAA317	27 09 70	PAA517	27 09 83	PAA723
50	PAA319	72	PAA519	84	PAA817
53	PAA321	73	PAA521	85	PAA819
54	PAA323	74	PAA523	86	PAA821
55	PAA325	75	PAA525	87	PAA1221
27 09 56	PAA415	27 09 76	PAA615	27 09 88	WA1223
57	PAA417	77	PAA617	89	WA1225

RAC10-HDA Tips					
27 09 90	HDA327	27 10 00	HDA529	27 11 10	HDA735
91	HDA329	27 11 01	HDA531	11	HDA827
92	HDA331	02	HDA533	12	HDA831
93	HDA335	03	HDA535	13	HDA833
94	HDA427	04	HDA627	14	HDA835
27 09 95	HDA429	27 11 05	HDA629	27 11 15	HDA1227
96	HDA431	06	HDA631	16	HDA1229
97	HDA433	07	HDA633	17	HDA1232
98	HDA435	08	HDA635	18	HDA1233
99	HDA527	09	HDA729	19	HDA1235

XHD Tips					
27 09 11	XHD415	27 09 21	XHD513	27 09 31	XHD613
12	XHD417	22	XHD515	32	XHD615
13	XHD419	23	XHD517	33	XHD617
14	XHD421	24	XHD519	34	XHD619
15	XHD423	25	XHD521	35	XHD621
27 09 16	XHD425	27 09 26	XHD523	27 09 36	XHD623
		27	XHD525	37	XHD625

Name of Mfr.: Graco Inc.

XHD Guard

XHD guard for pressures up to 7,250 psi (500 bar, 50.0 MPa).

27 09 41	Rac guard, XHD001	Pc.
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Name of Mfr.: Graco Inc.

Kits

To be compatible with the original heavy duty RAC SwitchTips (GHDxxx).

247634 Seat and Seal Kit	XHD010 Seat and Seal Kit
	
You can use the new XHD tips in the old (GHD) guards.	You can use the old GHD tips in the new (XHD) guards.

CODE	Description	Model	Unit
27 09 51	Kit, seat and seals, 5 pack (for GHZD)	247634	Set
52	Kit, seat and seals, 5 pack (for XHD)	XHD010	"

Name of Mfr.: Graco Inc.

Accessories

CODE	Description	Model	Unit
27 09 61	Pro easy-out gun filter, 60 mesh x 1	287032	Pc.
62	Pro easy-out gun filter, 100 mesh x1	287033	"
63	Propack easy-out gun filter, 60 mesh and 100 mesh combination	287034	Set
27 09 64	Gun repair kit (includes gasket, needle and seat)	248837	Set
27 09 65	Retainer (Tip filter housing)	164120	Pc.
27 09 66	Tip Retainer 11/16 inch	220255	Pc.
67	Tip Retainer 7/8 inch	220251	"
27 09 71	Swivel 1/4"	204940	Pc.

Name of Mfr.: Graco Inc.

Airless High Pressure Hoses

Mangueras de alta presión

高压エアレスホース

无气高压软管



Complete line of strong, safe and affordable hoses. Complete line of hoses for all your high pressure spraying. Colour-coded by pressure to take the guesswork out of using the right hose. Easy-to-order, configurable part numbering system. Durable design reduces downtime.

Unit Per Lgh			
CODE	Size ID	Length mtr	Model
W/P: 310 Bar (4,500 psi) - purple colour			
27 10 21		7.6	H42525
22	1/4"	15.2	H42550
23		30.5	H4251X
27 10 24		7.6	H43825
25	3/8"	15.2	H43850
26		30.5	H4381X
27 10 27		7.6	H45025
28	1/2"	15.2	H45050
29		30.5	H4501X
W/P: 386 Bar (5,600 psi) - grey colour			
27 10 31		7.6	H52525
32	1/4"	15.2	H52550
33		30.5	H5251X

(to be continued)

Unit Per Lgh

CODE	Size ID	Length mtr	Model
27 10 34	3/8"	7.6	H53825
35		15.2	H53850
36		30.5	H5381X
27 10 37	1/2"	7.6	H55025
38		15.2	H55050
39		30.5	H5501X
W/P: 500 Bar (7,250 psi) - black colour			
27 10 41	1/4"	7.6	H72525
42		15.2	H72550
43		30.5	H7251X
27 10 44	3/8"	7.6	H73825
45		15.2	H73850
46		30.5	H7381X
27 10 47	1/2"	7.6	H75025
48		15.2	H75050
49		30.5	H7501X

Name of Mfr.: Graco Inc.

Airless Paint Spray Tips

Boquillas para Pistola Pintado

ペイントスプレーチップ 无气喷漆枪喷嘴

Made of tungsten carbide. Available in a wide range of sizes. The most commonly used models are listed below.



Unit Per Pc.

CODE	Model No.	Nominal No. of tip Diam.	Flow Rate Ltr/Min.	Pattern Width	
				No.	mm
27 02 01	163413	13	0.68	4	200-250
02	163415	15	0.91		
03	163417	17	1.17		
04	163419	19	1.48		
05	163421	21	1.78		
06	163423	23	2.16		
07	163425	25	2.54		
27 02 16	163513	13	0.68	5	250-300
17	163515	15	0.91		
18	163517	17	1.17		
19	163519	19	1.48		
20	163521	21	1.78		
21	163523	23	2.16		
22	163525	25	2.54		
27 02 31	163613	13	0.68	6	310-350
32	163615	15	0.91		
33	163617	17	1.17		
34	163619	19	1.48		
35	163621	21	1.78		
36	163623	23	2.16		
37	163625	25	2.54		

Name of Mfr.: Graco Inc.

Airless Paint Sprayers

Air-powered Type

Pistola Pintado/Tipo Neumático

エアレスペイント塗装機 エアー駆動式

无气喷涂机 空气驱动式



Unit Per Set

CODE	27 03 12	27 03 15
Name	AQ 600	
Power Source AC	110V	220V
Max. Flow Ratio	6 ltr/mn.	
Normal Output Pressure	20.0 Mpa (200 kgf/cm ²)	
Max. Output Pressure	25.0 Mpa (250 kgf/cm ²)	
Motor Output Rating	0.85 kW (11.3 PS)	
Phase Frequency	Single Phase, 50/60 Hz	
Size mm	W 350 × L 552 × H 539	
Weight kg	41	

Name of Mfr.: Asahi Sunac Corporation

Unit Per Set

CODE	27 03 01	27 03 02
Name	Mini Bear	Big Bear
Model No.	SP 1021 (40338-9)	SP 1844 (40353)
Pump Ratio	23:1	30:1
Max. Flow Ratio ltr/min.	4	14
Normal Delivery ltr/min.	1.3	4
Max. Output Pressure	11.5 MPa (115 kgf/cm ²)	15 MPa (150 kgf/cm ²)
Size mm (W × L × H)	320 × 400 × 750	600 × 720 × 1,280
Weight kg	14	80

Name of Mfr.: Asahi Sunac Corporation

Unit Per Set

CODE	27 03 03	27 03 04
Name	Super Bear	
Model No.	SP 2544 (40381-3)	SP 2554 (40342)
Pump Ratio	65 : 1	45 : 1
Max. Flow Ratio ltr/min.	14	20
Normal Delivery ltr/min.	4	6
Max. Output Pressure	32.5 MPa (325 kgf/cm ²)	22.5 MPa (225 kgf/cm ²)
Size mm (W × L × H)	600 × 720 × 1,280	
Weight kg	105	110

Name of Mfr.: Asahi Sunac Corporation

Standard Accessories

Items	Mini Bear	Big Bear	Super Bear
Gun	MG7 (1294)	MG7 (1294)	MG3 (1268)
Nozzle	GN		
Material Hose	NSR 06100	NH 09200	NH 09200

Airless Paint Sprayers

Electric-powered Type

Pistola Pintado/Tipo Eléctrico

エアレスペイント塗装機 電動式

无气喷涂机 电力驱动式



Unit Per Set

CODE	27 03 12	27 03 15
Name	AQ 600	
Power Source AC	110V	220V
Max. Flow Ratio	6 ltr/mn.	
Normal Output Pressure	20.0 Mpa (200 kgf/cm ²)	
Max. Output Pressure	25.0 Mpa (250 kgf/cm ²)	
Motor Output Rating	0.85 kW (11.3 PS)	
Phase Frequency	Single Phase, 50/60 Hz	
Size mm	W 350 × L 552 × H 539	
Weight kg	41	

Name of Mfr.: Asahi Sunac Corporation

Standard Accessories

Items	AQ600
Gun	MG7
Nozzle	GN
Material Hose	NSR 06200
Motor Oil	○

Airless Paint Spray Guns

Pistolas Pintado

エアレススプレーガン 无气喷漆枪



CODE	Item	Model	Remark
27 03 21	Ace gun	MG7 II	Light weight
22	Marine Gun	MG3	For Hi-pressure Paint
23	Ace Gun	MG7	Light weight
27 03 24	Pole Gun	PMGIVS-3	0.9 mtr lgh
25		PMGIVS-5	1.5 mtr lgh
26		PMGIVS-6	1.8 mtr lgh

Note : Size of paint hose and air hose are PF 1/4.

Name of Mfr. : Asahi Sunac Corporation

Airless Paint Spray Nozzles

Boquillas para Pistola Pintado

ペイントスプレーノズル 无气喷漆喷嘴



CODE	Model No.	Nom. Tip Size ltr/min	Discharge Rate ltr/min	Pattern Width		Applicable Paint Type
				No.	cm	
Type GN (Flat Spray)						
27 03 36	14C05	14	0.9	05	10-15	Marine/ Corrosion resistant paints
37	14C07			07	15-20	
38	14C09			09	20-25	
27 03 39	16C07	16	1.02	07	15-20	Marine/ Corrosion resistant paints
40	16C09			09	20-25	
41	16C11			11	25-31	

(to be continued)

27 03 42	18C09	18	1.16	09	20-25	Marine / Chlorinated rubber paints
43	18C11			11	25-31	
27 03 44	20C11	20	1.29	11	25-31	Tar epoxy paints
45	20C13			13	31-36	
27 03 46	25C11	25	1.54	11	25-31	Non-solvent tar epoxy paints
47	25C13			13	31-36	
27 03 48	30C11	30	1.93	11	25-31	
49	30C13			13	31-36	
50	30C15			15	36-41	
27 03 51	40C13	40	2.57	13	31-36	
52	40C15			15	36-41	

Type RN (Reversible)

27 03 61	14C05	14	0.9	05	10-15	Marine / Corrosion resistant paints
62	14C07			07	15-20	
63	14C09			09	20-25	
27 03 64	16C07	16	1.02	07	15-20	Marine / Chlorinated rubber paints
65	16C09			09	20-25	
66	16C11			11	25-31	
27 03 67	18C09	18	1.16	09	20-25	
68	18C11			11	25-31	
27 03 69	20C11	20	1.29	11	25-31	Tar epoxy paints
70	20C13			13	31-36	
27 03 71	25C11	25	1.54	11	25-31	
72	25C13			13	31-36	
27 03 73	30C11	30	1.93	11	25-31	Non-solvent tar epoxy paints
74	30C13			13	31-36	
75	30C15			15	36-41	
27 03 76	40C13	40	2.57	13	31-36	
77	40C15			15	36-41	

Name of Mfr.: Asahi Sunac Corporation

High-Pressure Paint Spray Hose
Nylon and Reinforced

Manguera de Nylon Reforzada para Bomba Rociadora de Pintura

高压ペイントホース 高压尼龙水泥喷漆软管

Made of reinforced nylon with a normal operating pressure of 150 kgf/cm².



Unit Per Lgh.					
CODE	Model	Diam. mm I.D.×O.D.	Joint Size	Flow Pressure	Length mtr
27 03 86	NSR06100	6 × 9	1/4"	20 MPa (200 kgf/cm ²)	10
87	NSR06200				20
27 03 88	NH09100	9 × 12	3/8"	25 MPa (250 kgf/cm ²)	10
89	NH09200				20
90	NH09300				30

Name of Mfr.: Asahi Sunac Corporation

Airless Paint Sprayers

Air-powered Type

Pistola Pintado/Tipo Neumático

エアレスペイント塗装機 エアー駆動式

无气喷涂机 空气驱动式



Unit Per Set

CODE	27 04 02	27 04 04	27 04 05	27 04 06
Model	ALS-333C	ALS-433C	ALS-453C	ALS-653
Type	Cart Type			
Feature	Small Versatile Design	Medium Versatile Design	Medium Highest Pressure Type	Big for Medium and Heavy Viscosity Material Capable for Supporting Multiple Guns
Pump Ratio	25 : 1	30 : 1	53 : 1	45 : 1
Max. Flow Rate	2.5 ltr/min.	5.3 ltr/min.	3.0 ltr/min.	12.5 ltr/min.
Max. Fluid Pressure	17.5 MPa 178 kgf/cm ²	20.6 MPa 210 kgf/cm ²	36.3 MPa 370 kgf/cm ²	27 MPa 275 kgf/cm ²
Max. Air Work Pressure	0.7 MPa 7.13 kgf/cm ²			0.6 MPa 6.11 kgf/cm ²
Fluid Outlet	Male 1/4 PF			
Air Inlet	Male 1/4 PF			-
Dimensions L×W×H mm	500 × 500 × 800	430 × 420 × 920	800 × 730 × 1,200	
Weight	31 kg	38 kg	86 kg	

Name of Mfr.: Anest Iwata Co., Ltd.

Standard Accessories

ALS-333C	Airless Spray Gun ALG-7 Paint Hose NHS-610C Paint Filter TF-8B Drain Valve	1 Pc 10 mtrs 1 Pc Equipped
ALS-433C	Airless Spray Gun ALG-7 Paint Hose NHS-610D Paint Filter TF-8B Drain Valve	1 Pc 10 mtrs 1 Pc Equipped
ALS-453C	Airless Spray Gun ALG-7 Paint Hose NHH-610B Paint Filter TF-9B Drain Valve	1 Pc 10 mtrs 1 Pc Equipped
ALS-653	Airless Spray Gun ALG-7 Nozzle Tip Paint Hose NHS-610B Paint Filter Intermediate and Intake Drain Valve Oiler Air Filter	Optional Optional Optional Equipped Equipped Equipped Equipped

Airless Paint Spray Hand Guns and Pole Guns

Pistolas Manuales y Pistolas con Lanza

ハンドガン・ポールガン 无气喷漆枪用油漆

The fluid needle packing can be tightened or loosened from the outside allowing for easy maintenance of the release handle mechanism. Safety features include a safety lock on the trigger and a hand guard. Soft touch triggering and a light weight gun body reduce operator fatigue.



Hand Gun



Airless Pole Gun

A) Hand Guns

Unit Per Pc.

CODE	27 04 11	27 04 12
Model	ALG-7	ALG-72
Max. Work Pressure	25 MPa (255 kgf/cm ²)	
For Use	General Purpose	Hi-quality painting split-free shut off
Air Inlet	PF 1/4	

Name of Mfr.: Anest Iwata Co., Ltd.

B) Pole Guns

Unit Per Pc.

CODE	27 04 16	27 04 17	27 04 18
Model	AP96-10	AP96-15	AP96-20
Length	1 Mtr	1.5 Mtr	2 Mtr
Air Inlet	PF 1/4		

Name of Mfr.: Anest Iwata Co., Ltd.

High-Pressure Paint Spray Hose

Manguera de Nylon Reforzada para Bomba Rociadora de Pintura

高压ペイントホース

高压尼龙水泥喷漆软管



Stainless steel braided flexible hose.

Unit Per Lgh.

CODE	Model	Size		Max. Working Pressure	Inlet Coupling
		I.D. mm	Lgh. Mtr		
27 04 26	NHS-6D	6	10	20.6 MPa 210 kgf/cm ²	PF 1/4"
27			20		
28			30		
27 04 31	NHS-610B	6	10	42.5 MPa 433 kgf/cm ²	

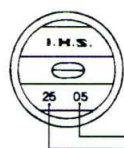
Name of Mfr.: Anest Iwata Co., Ltd.

Airless Paint Spray Nozzle Tips

Boquillas para Pistola Pintado

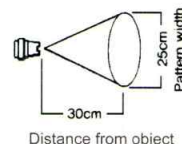
ペイントスプレーノズルチップ 无气喷漆喷嘴

Numbering System (Ex. NT2505)



Fluid output
(0.5 cc/sec/cm)

Pattern width (25 cm)
at 30 cm distance



Distance from object

Unit Per Pc.				
CODE	Nozzle Tip No.	Pattern Width cm.	Fluid Output ltr/min.	Orifice Diam. mm
27 04 41	NT-2006	18-23	0.72	0.39
42	2007	18-23	0.84	0.43
43	2009	18-23	1.08	0.47
27 04 48	NT-2505	23-28	0.75	0.40
49	2506	23-28	0.90	0.44
50	2507	23-28	1.05	0.47
51	2509	23-28	1.35	0.53
27 04 55	NT-3004	28-33	0.72	0.39
56	3005	28-33	0.90	0.44
57	3006	28-33	1.08	0.47
58	3007	28-33	1.26	0.51
59	3009	28-33	1.62	0.58
27 04 66	NT-3504	33-38	0.84	0.43
67	3505	33-38	1.05	0.47
68	3506	33-38	1.26	0.51
69	3507	33-38	1.47	0.55
70	3509	33-38	1.89	0.62
27 04 78	NT-4005	38-43	1.20	0.50
79	4006	38-43	1.44	0.55
80	4007	38-43	1.68	0.59
81	4009	38-43	2.16	0.67

Name of Mfr.: Anest Iwata Co., Ltd.

Spray Guns

Pistolas Rociadora de Pintura
スプレーガン 喷涂枪

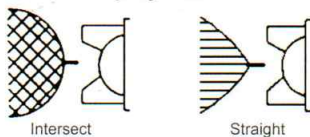
There are many types of spray guns available and the spray gun required for a certain job is usually selected based upon the following specifications.

1. Material size to be sprayed
2. Quantity to be sprayed
3. Quality of finish
4. Paint viscosity

A wide variety of models from different manufacturers are available but the most common models are listed below.



Spray Pattern



Unit Per Pc.				
CODE	Fluid Nozzle Orifice I.D. mm	Fluid Out Put ltr/min.	Spray Pattern	Model for Reference
Small Size - Pressure Feed Type				
27 05 01	0.8	150	Intersect	W-100-082P
02	1.0	200	"	W-100-102P
Small Size - Suction Feed Type				
27 05 03	1.0	85	Straight	W-101-101S
04	1.3	150	"	W-101-131S
05	1.5	175	"	W-101-151S
06	1.3	150	Intersect	W-101-132S
07	1.5	170	"	W-101-152S
Medium Size - Pressure Feed Type				
27 05 12	1.2	500	Intersect	W-200-122P
Medium Size - Suction Feed Type				
27 05 13	1.5	240	Straight	W-200-151S
14	1.5	240	Intersect	W-200-152S
15	2.0	350	Straight	W-200-201S
16	2.0	350	Intersect	W-200-202S
17	2.5	440	Straight	W-200-251S

(to be continued)

Large Size - Suction Feed Type

27 05 21	1.8	290	Intersect	W-200-182S
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Air Spray Guns

AirPro




Pistolas Neumáticas

エアースプレーガン 空气喷枪



Advanced spraying technology for automotive, metal, wood, waterborne, high wear and adhesive applications. This air spray gun delivers exceptional spraying performance while addressing your environmental and operator concerns. Cutting edge air cap and nozzle design optimize spray performance. Wide range of gun models to meet the needs of your specific application. Light weight design, low trigger force and ergonomic handle provide maximum operator comfort. Fewer parts means less maintenance and downtime. Air flow and consumption are tested to meet environmental compliance.

Type of Feed

		
Pressure Feed	Gravity Board	Siphon Board

Spray Type

Type	HVLP	Compliant	Conventional
Finish Quality	Good	Better	Best
Transfer Efficiency	High	High	Medium
Fluid Flow	Low	Medium	High
Air Flow	High	Low	Low

Unit Per Pc.

CODE	Feed Type	Spray Type	Nozzle Inch (mm)	Model
27 13 01	Pressure	Coventional	0.055 (1.4)	288931
02			0.070 (1.8)	288932
03		Compliant	0.055 (1.4)	288945
04			0.070 (1.8)	288946
27 13 05	Gravity with Plastic Cup	Conventional	0.055 (1.4)	289011
06		Compliant	0.055 (1.4)	289017

Name of Mfr.: Graco Inc.

Accessories

Unit Per Box

27 13 31	Cup & collar, 6 oz (150 ml), 8's/box	234941
32	Cup & collar, 25 oz (650 ml), 8's/box	234771
33	Lid & liner, 32 oz (850 ml), 25's/box	234938

Unit Per Set

27 13 41	Air cap kit, general metal, conventional	289773
42	Air cap kit, general metal, conventional	289068
43	Air cap kit, general metal, conventional	289069
44	Air cap kit, general metal, compliant	289042
45	Air cap kit, general metal, compliant	289044

Name of Mfr.: Graco Inc.

Air Spray Guns

Finex™

Pistolas Neumáticas

エアースプレーガン 空気噴槍

Well-balanced and lightweight, the gun design offers a more affordable way to spray. Air caps optimized for high quality spray performance. Lightweight, ergonomic gun, and light trigger pull. Integrated air inlet adjustment (cheater) valve.



Unit Per Pc.

CODE	Gun Style	Nozzle Inch (mm)	Model
27 13 11	Pressure feed conventional	0.055 (1.4)	289254
27 13 12	Gravity feed standard conventional	0.055 (1.4)	289244

Name of Mfr.: Graco Inc.

Accessories

Unit Per Pc.

CODE	Needle, Nozzle Size Inch (mm)	For Gun Style	Model
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Repair Kit (Needle, Nozzle, Air Cap)

27 13 21	0.031 (0.8)	Pressure feed conventional	289305
22	0.039 (1.0)		289306
23	0.047 (1.2)		289307
24	0.055 (1.4)		289308
25	0.071 (1.8)		289309
27 13 26	0.039 (1.0)	Gravity feed conventional	289291
27	0.051 (1.3)		289292
28	0.055 (1.4)		289293
29	0.059 (1.5)		289294
30	0.071 (1.8)		289295

Unit Per Box

For use with Gravity Feed Guns (3M7s PPS Accessories)

27 13 31	Cup & collar, 6 oz (150 ml), 8's/box	234941
32	Cup & collar, 25 oz (650 ml), 8's/box	234771
33	Lid & liner, 32 oz (850 ml), 25's/box	234938

Unit Per Pc.

27 13 36	Gravity cup, plastic, 125 cc	289323
37	Gravity cup, plastic, 600 cc	289322
27 13 38	Gravity cup, aluminium, 125 cc	289517
39	Gravity cup, aluminium, 250 cc	289321
40	Gravity cup, aluminium, 600 cc	289320

Name of Mfr.: Graco Inc.

Paint Containers

Suction Feed Type

Comenedores de Pintura /Tipo: Alimentación por Succión

吸い上げ式ペイントコンテナ

吸油塗料容器

Suction feed type container, designed to spray small quantities. Specify the spray gun type currently in use in order to supply the correct container when ordering.



CODE	Capacity ml	Weight gm	Applicable Spray Gun	Model for Reference	Type
27 05 31	1,000	410	W-101	PCL-10B-2	Cap Lock
32	1,000	330		PC-1S	Normal
33	700	370		PCL-7B-2	Cap Lock
34	600	270		PC-2	Normal
35	400	180		PC3	Normal
27 05 36	1,000	415	W-200	PCL-10B-3	Cap Lock
37	1,000	335		PC-1	Normal
38	700	375		PCL-7B-3	Cap Lock

Paint Stirrers

Agitadores de Pintura ペイント攪拌機 油漆攪拌器

Set on the paint container, this device is driven by compressed air and used to stir and drive the paint up into the compressor unit. Equipped with a reduction gearbox it can be used with paint of comparatively high viscosity.



CODE	Capacity up to	R. P. M.
27 05 81	40 ltr	500
82	200 ltr	500

Paint Stirrer Shafts

Ejes Agitadores de Pintura

ペイント攪拌用シャフト 塗料攪拌器軸

Paint Stirrer Shaft to be used with portable drilling machines. Size of Hex. Shaft to be attached to drilling machines is 6.35 mm.



27 05 83	Paint Stirrer Shaft, hex shaft 6.35 mm, approx. 600 mm length	Pc.
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Engine Cleaner Guns

Pistola de Petrolear エンジンクリーナーガン 機械清浄噴気槍

Used for fast and effective removal of grease and dirt from machinery, engine frames, etc. by kerosene and other special solvents. Furnished with 1.5 mtrs hose.



Engine Cleaner



Cleaning Gun

CODE	Description	Tip I.D. mm	Air Pressure kgf/cm ²	Fluid Output ml/min
27 06 01	Engine cleaner	1.4	4	190
02	Cleaner & dryer	1.4	4	190
03	Cleaning gun	5.0	3.5	500

Note: Air inlet connection PF 1/4

Air Dusters

Pistola Sopladora de Aire エアーダスター 吹風拂尘器



27 06 11
Common



27 06 12
Long Nose



27 06 13
Long Nose

CODE	Nozzle mm		Weight gm	Uded for
	Diam.	Length		
27 06 11	2	24	230	Common purpose
27 06 12	2	100	260	Hard-to-reach or high spot cleaning
13	2	300	330	

Note: Air inlet connection PF 1/4

Screens, Stainless Steel for Fluid Outlet Filter

Blindaje de acero inoxidable para filtro de salida de fluidos

ステンレスフィルター

不锈钢过滤器



CODE	Mesh	Micron	Unit Per Pc.
			Model
27 10 52	60	250	287032
53	100	149	287033

Name of Mfr.: Graco Inc.

27

Painting Equipment

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