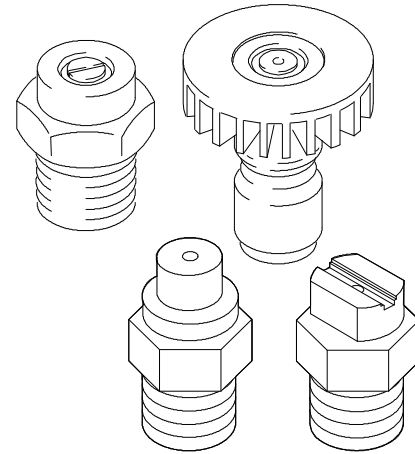




IMPORTANT SAFETY INSTRUCTIONS
Read all warnings and instructions in this manual. Save these instructions.

Spray Tips

Maximum Working Pressure: 5000 psi (344 bar, 34.4 MPa)



05955

⚠ WARNING



INJECTION HAZARD

The system pressure must be manually relieved to prevent the system from starting or spraying accidentally. Fluid under high pressure can be injected through the skin and cause serious injury. **Get immediate surgical treatment.** To reduce the risk of an injury from injection, splashing fluid, or moving parts, follow the **Pressure Relief Procedure** whenever you:

- are instructed to relieve the pressure,
- stop spraying,
- check or service any of the system equipment,
- or install or clean the spray tip.

Pressure Relief Procedure

To reduce the risk of serious bodily injury, including fluid injection and splashing in the eyes or on the skin, always follow this procedure whenever you stop spraying for more than 10 minutes, when shutting down, and before checking or repairing any part of the system.

1. Engage the trigger safety latch.
2. Turn the sprayer off.
3. Remove the ignition cable from the spark plug, disconnect the air or disconnect the electricity.
4. Shut off the water supply.
5. Disengage the trigger safety latch and trigger the gun to relieve pressure, and then engage the trigger safety latch again.
6. Disconnect water supply and fuel, electric, or air supply before storing or transporting the unit.

⚠ WARNING



INSTRUCTIONS

EQUIPMENT MISUSE HAZARD

Equipment misuse can cause the equipment to rupture or malfunction and result in serious injury.

- **NEVER** point the spray gun or wand at anyone or at any part of the body. **NEVER** put hand or fingers over the spray tip.
- Follow the **Pressure Relief Procedure**, before cleaning or servicing any part of the sprayer.
- Be sure equipment safety devices are operating properly before each use.
- Be sure all gun safety devices are operating properly before each use. Do not remove or modify any part of the gun.
- Whenever you stop spraying, always engage the gun safety latch. Use extreme caution when cleaning or changing spray tips.
- Use extreme caution when cleaning or changing spray tips. If a spray tip clogs while spraying, engage the gun safety latch immediately. **ALWAYS** follow the **Pressure Relief Procedure** and then remove the spray tip to clean it.

⚠ CAUTION

Spray tip size is a function of flow rate and pressure. Improperly sized spray tips produce system pressure too high or too low. Too high system pressure causes premature unloader valve wear. Too low system pressure is inefficient use of the equipment.

$$\text{Approximate Tip Size} = (63.25 \times \text{gpm}) / \sqrt{\text{psi}}$$

For a 2000 psi, 4 gpm unit:

Use a 055 (00055, 15055, 25055, 40055) spray tip.

For a 3500 psi, 4 gpm unit:

$$\text{Tip size} = (63.25 \times 4) / \sqrt{3500} = 4.28$$

Use a 04 (0004, 1504, 2504, 4004) spray tip.

All spray tips are hardened stainless steel except as noted.

The first two digits of the spray tip size indicate the approximate fan angle. For example, a 1504 tip has a 15° fan angle.

SPRAY TIP SIZE (first two digits indicate approx. fan angle)	ORIFICE DIAMETER	SPRAY TIP ONLY	QUICK DISCONNECT TIP† (1/4" Quick Coupler)
0002 1502 2502 4002	.033 .033 .033 .033	805300 805301 805302 805303	805531 805532 805533 805534
0003 1503 2503 4003	.043 .043 .043 .043	805305 805306	805535 805536 805537 805538
00035 15035 25035 40035	.045 .045 .045 .045	805308 805309	805539 805540 805541 805542
0004 1504 2504 4004	.047 .047 .047 .047	805312 805313 805315	805543 805544 805545 805546
00045 15045 25045 40045	.050 .050 .050 .050	805316 805317 805318 805319	805547 805548 805549 805550
0005 1505 2505 4005	.053 .053 .053 .053	805320 805321 805322 805323	805551 805552 805553 805554
00055 15055 25055 40055	.055 .055 .055 .055	805324 805325 805327	805555 805556 805557 805558
0006 1506 2506 4006	.058 .058 .058 .058	805328 805329 805330 805331	805561 805562
00065 15065 25065 40065	.060 .060 .060 .060	805332 805333 805334 805335	805563 805564 805565 805566
0007 1507 2507 4007	.063 .063 .063 .063	805336 805337 805338 805339	805567 805568 805569 805570
00075 15075 25075 40075	.065 .065 .065 .065	805340 805341 805342 805343	805571 805572 805573 805574
0008 1508 2508 4008	.067 .067 .067 .067	805344 805345 805346 805347	805575 805576 805577 805578

SPRAY TIP SIZE (First two digits indicate approx. fan angle)	ORIFICE DIAMETER	SPRAY TIP ONLY	QUICK DISCONNECT TIP† (1/4" Quick Coupler)
00085 15085 25085 40085	.069 .069 .069 .069	805348 805349 805350 805351	805579 805580 805581 805582
0009 1509 2509 4009	.071 .071 .071 .071	805352 805354	805583 805584 805585 805586
0010 1510 2510 4010	.075 .075 .075 .075	805356 805357 805358 805359	805587 805588 805589 805590
0011 1511 2511 4011	.078 .078 .078 .078	803690 803691 803692 803693	800482 800483 800484 800485
0012 1512 2512 4012	.083 .083 .083 .083	802308 802309 802310 802311	800486 800487 800488 800489
00125 15125 25125 40125	.084 .084 .084 .084	803722 803694 803695 803696	800623 800490 800491 800492
0013 1513 2513 4013	.085 .085 .085 .085	801759 801758 803697 803698	800404 800405 800493 800494
0015 1515 2515 4015	.092 .092 .092 .092	801756 801757 803071 803072	800193 800496 800497 800498
0020 1520 2520 4020 4020	.106 .106 .106 .106 .106	802076 803472 803719 803075 801127 BRASS	800452 800453 800499 800600 800027 BRASS
0025 1525 2525 4025	.118 .118 .118 .118	803699 803700 803701 803702	800601 800602 800603 800604
0030 1530 2530 4030 4030	.130 .130 .130 .130 .130	803703 802050 803704 803725 * BRASS	800605 800606 800607 800626 * BRASS
0035 1535 2535 4035	.140 .140 .140 .140	803705 803706 803707 803708	800608 800609 800610 800611
0040 1540 2540 4040 6540**	.150 .150 .150 .150 .150	803709 803710 803711 803724 805404 BRASS	800612 800613 800614 800625 805634 BRASS
0050 1550 2550 4050 4050	.167 .167 .167 .167 .167	803712 803713 803714 803723 802074 BRASS	800615 800616 800617 800624 800618 BRASS
0060 1560 2560 4060	.183 .183 .183 .183	803715 803716 803717 803718	800619 800620 800621 800622

† Tip sizes 0011 and greater include 801009 quick coupler.

* Order 6540.

** Downstream chemical injectors up to 10.5 gpm

Graco Standard Warranty

WARRANTY

Graco warrants all equipment manufactured by it and bearing its name to be free from defects in material and workmanship on the date of sale by an authorized Graco distributor to the original purchaser for use. As purchaser's sole remedy for breach of this warranty, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment proven defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for, any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility with Graco equipment of structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claim. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor and transportation.

DISCLAIMERS AND LIMITATIONS

The terms of this warranty constitute purchaser's sole and exclusive remedy and are in lieu of any other warranties (express or implied), **including warranty of merchantability or warranty of fitness for a particular purpose**, and of any non-contractual liabilities, including product liabilities, based on negligence or strict liability. Every form of liability for direct, special or consequential damages or loss is expressly excluded and denied. In no case shall Graco's liability exceed the amount of the purchase price. Any action for breach of warranty must be brought within two (2) years of the date of sale.

EQUIPMENT NOT COVERED BY GRACO WARRANTY

Graco makes no warranty, and disclaims all implied **warranties of merchantability and fitness for a particular purpose**, with respect to accessories, equipment, materials, or components sold but not manufactured by Graco. These items sold, but not manufactured by Graco (such as electric motor, switches, hose, etc.) are subject to the warranty, if any, of their manufacturer. Graco will provide purchaser with reasonable assistance in making any claim for breach of these warranties.

Graco Phone Number

TO PLACE AN ORDER, contact your Graco distributor, or call **1-800-367-4023 Toll Free**, to identify the distributor closest to you.

All written and visual data contained in this document reflects the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

Original instructions. This manual contains English. MM 308514

Graco Headquarters: Minneapolis

International Offices: Belgium, China, Japan, Korea

GRACO INC. P.O. BOX 1441 MINNEAPOLIS, MN 55440-1441

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