



ARCHON Industries, Inc.

RTB16 Spray Gun

Models:

- ◆ RTB16-BB
- ◆ RTB16-SB



Installation / Operation / Maintenance Instruction

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PRODUCT WARRANTY

ARCHON Industries Inc., warrants its products, as designed and manufactured by ARCHON, to be free of defects in material and workmanship for a period of one year after the date of installation or eighteen months after the date of manufacture, whichever is earliest. ARCHON will, at its option, replace or repair any products that fail during the warranty period due to defective material or workmanship.

Prior to submitting any claim for warranty service, the owner must submit proof of purchase to ARCHON and obtain written authorization to return the product. Thereafter, the product shall be returned to ARCHON in Suffern, New York, with freight prepaid.

This warranty shall not apply if the product has been disassembled, tampered with, repaired or altered outside of the ARCHON factory, or if it has been subjected to misuse, neglect or abuse.

ARCHON's responsibility hereunder is limited to repairing or replacing the product at its expense. ARCHON shall not be liable for loss, damage, or expenses directly or indirectly related to the installation or use of its products, or from any other cause or for consequential damages. It is expressly understood that ARCHON is not responsible for damage or injury caused to other products, building, property or persons by reason of the installation or use of its products.

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This document and the warranty contained herein may not be modified and no other warranty, expressed or implied, shall be made by or on behalf of ARCHON unless modified or made in writing and signed by the President or a Vice President of ARCHON.

WARNINGS AND SAFETY PRECAUTIONS

IMPORTANT: READ ALL INSTRUCTIONS BEFORE USING SPRAY GUN

- For water use only.
- Before spraying, gun must be pointed in direction of arrow shown on side of gun.
- If spray gun assembly is equipped with trigger lock ring, the ring must be released before spraying operation is finished.
- Proper clothing and eye protection should always be worn by operator and people in spray areas.

- **DO NOT** use with steam service.
- **DO NOT** point spray gun at any person or any part of body. High temperature liquids under spraying pressures can cause serious burns or injury.
- **DO NOT** exceed 200° F (93° C) temperature.
- **DO NOT** exceed 150 psi.
- **DO NOT** drop gun on trigger as this may actuate hot spray onto personnel.

INTRODUCTION

The model RTB16 spray gun is a heavy-duty, impact resistant spray gun with a stainless steel or bronze body and a replaceable synthetic body cover. The Model RTB16 spray gun provides a variable liquid spray from a 50 degree hollow cone to a stream spray pattern by trigger control. The light trigger pull provides sensitive spray pattern control. The heat resistant rubber body cover remains comfortable at high liquid temperatures. The Model RTB16 spray gun connection is 1/2" NPT, and will accommodate inlet swivel connectors with 3/4" garden hose thread (F), 5/8" or 3/4" hose shank inlet connections. These connectors also have lock rings for locking the Spray Gun trigger in a spraying position.

SYSTEM DESCRIPTION

Features of the Model RTB16 Spray Guns:

- Maximum pressure and temperature: 150 psi at 200° F (10.3 bar at 93° C)
- Single piece stainless steel or bronze body
- Stainless Steel valve stem
- Viton valve seat and Buna O-ring seals
- Comfortable hand grip
- Easy operation - designed to reduce fatigue
- Replaceable rubber body cover provides temperature insulation and protects spray gun from extensive wear
- Easy repair - all components are user serviceable

INSTALLATION

1. Ensure water supply valve is off. Attach RTB16 spray gun to a hose that has a pressure and temperature rating meeting that of your anticipated maximum supply pressure and temperature.
2. Examine all connections, making sure they are of proper type and are secure and leak-proof.
3. Holding the RTB16 spray gun in a downward vertical position with arrows pointed away from the body, turn on the water supply valve.
4. After checking that all safety precautions have been taken, begin spraying by slowly squeezing the trigger.

MAINTENANCE

With proper care, your Model RTB16 spray gun will give you reliable service. To maintain performance, parts should be inspected regularly and replaced when necessary with genuine ARCHON parts.

DISASSEMBLY PROCEDURE

If it becomes necessary to disassemble this unit, follow these steps:

1. Make sure water supply valve is off.
2. Release all the pressure and liquid from the hose to RTB16 spray gun by operating trigger unit until water ceases to flow.
3. Disconnect the RTB16 spray gun from the supply connection.
4. Remove RUBBER COVER (5) by pulling on its back end until it clears the BODY (1). Then pull the front of the RUBBER COVER forward until it clears the BODY. Now, slide the cover down the BODY until free.
5. Next, remove HANDLE (9) by removing HANDLE BUSHING (6), BODY BUSHING (7), and HEX HD. SCREW (8).
6. Now, unscrew and remove FRONT BODY BUSHING (2) and O-RING (4).
7. The STEM ASSEMBLY (3) can now be removed by pulling it straight out the front of the spray gun body.
8. Your RTB16 spray gun is now disassembled. Original replacement parts can be purchased directly from ARCHON Industries.

ASSEMBLY PROCEDURE

Before reassembling the RTB16 spray gun apply a moisture resistant valve lubricant such as Dow Corning MOLYKOTE 111 to all O-ring seals. Sliding metal surface should be lubricated with Logix Thread Smart Anti-Seize compound.

When reassembling the RTB16 spray gun, apply LOCTITE 243 to FRONT BODY BUSHING (2), and HEX HD. SCREW (8).

1. Check that BODY (1) is clean and ready for assembly.
2. Insert STEM ASSEMBLY (3) into BODY (1) until it is fully seated. Make sure all seals are undamaged, properly lubricated and intact.
3. Applying careful pressure to compress the spring, screw FRONT BODY BUSHING (2) with O-RING (4) into BODY (1).
4. Assemble HANDLE (9) with HANDLE BUSHING (6), BODY BUSHING (7) and HEX HD. SCREW (8).
5. Install RUBBER COVER (5) by first inserting the BODY (1) handle into the cover. Slide on cover until it is close to body. Now stretch the rubber cover over the front of BODY (1) and then over rear of BODY (1) until in place.
6. Test the assembled spray gun to ensure that it operates correctly.

A detailed assembly drawing can be found on the following page

PARTS LIST			
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	RTB16-01	BODY, RTB16 SPRAY GUN	1
2	RTB16-18	FRONT BODY BUSHING, RTB16	1
3	RTB16-27	STEM ASSEMBLY, RTB16 SPRAY GUN	1
4	56018-003	O-RING, #2-018, BUNA	1
5	RTB16-17	RUBBER COVER, RTB16 SPRAY GUN	1
6	RTB16-25	HANDLE BUSHING, RTB16 SPRAY GUN	1
7	RTB16-26	BODY BUSHING, RTB16 SPRAY GUN	1
8	RT12-22-375	HEX HD. SCREW 10-32, RTB16	1
9	RTB16-06	HANDLE, SS, RTB16 SPRAY GUN	1

