

POLYSET[®]

PROFESSIONAL TILE ROOFING SYSTEM

***RTF 1000
EZ SERIES***

TRAINING MANUAL

RTF 1000 EZ

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RTF 1000 EZ

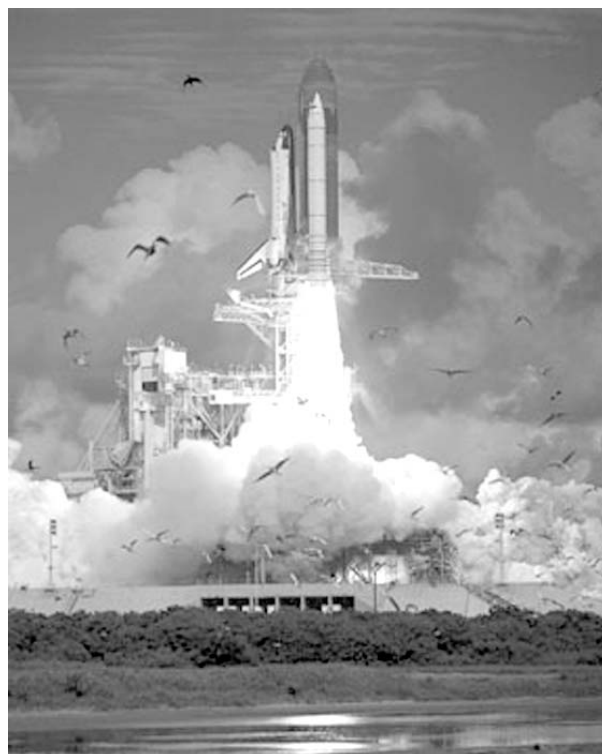
Polyurethanes

“Polyurethanes are all around us, playing a vital role in many industries—from ship building to footwear; construction to cars. They appear in an astonishing variety of forms, a variety that is continuously increasing.” Polyurethanes can be manufactured with an extremely wide range of properties and polymer stiffness form very flexible elastomers to rigid, hard plastics.

All Polyurethanes are based on the exothermic (heat releasing) reaction of polyisocyanate “A” with hydroxy (-OH) terminated poly “B” molecules. When an iso “A” molecule meets a poly “B” they bond chemically to make a new compound, a urethane. In practice, the iso “A” and poly “B” molecules are actually relatively long molecules with more than a single place where bonding can occur. This allows cross linking, or molecules bonded together at several places, yielding a stronger final product.

Along with the iso “A” and poly “B” are other types of chemical additives performing different functions. Blowing agents are molecules that utilize the heat generated in the reaction by boiling. Surfactants are cell makers, similar to soaps, trapping the vaporized blowing agents. Catalysts are additives that help control the rate of the reaction, allowing it to be tuned for specific applications.

These characteristics, tunability and durability, contribute to polyurethanes’ wide acceptance. The applications are as varied as the industries served: housing, automotive, manufacturing, aerospace and construction. From insulation to adhesives and sealants, polyurethanes have made their mark and are continuing to find applications in almost all of man’s endeavors.



RTF 1000 EZ

Introduction

The FOAMPRO® RTF 1000 EZ is designed for quick setup, ease of use and minimal maintenance. A complete FOAMPRO RTF 1000 EZ System includes:

- **Installation and Operating Manual**
- **Trouble Shooting Placard**
- **RTF 1000 EZ Dispser**
- **Pressure Gauge/Regulator Assembly**
- **Red “A” Hose Assembly**
- **Blue “B” Hose Assembly**
- **Calibration Chart**
- **Replacement Parts Kit**
- **Calculator**



Above we can see an RTF 1000EZ dispenser with a gram scale, the regulators and a gallon of Glycol



Above are the nitrogen pressure gauges and regulator.

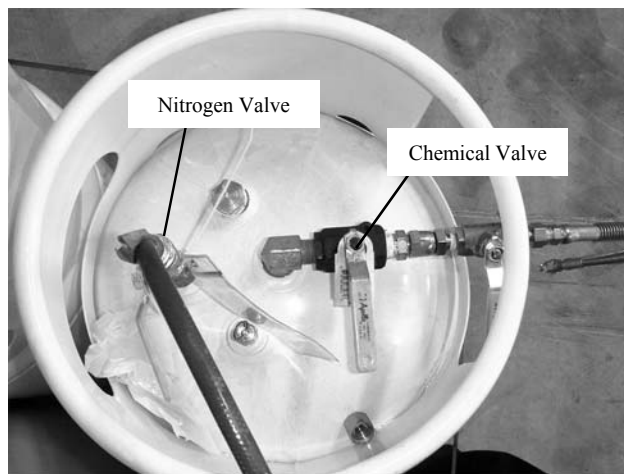
RTF 1000 EZ

Installation

- Chemical temperature should be maintained at 70 to 90 °F. Ambient temperature should be a minimum of 45°F. Substrate and/or roofing component surface should be a minimum of 55°F.
- Lay out the dispenser/hose assembly.
- Place the chemical cylinders in a position where the hoses can be connected without strain.
- **CAUTION: BE SURE THAT ALL CYLINDER VALVES AND HOSE VALVES ARE CLOSED BEFORE CONNECTING OR DISCONNECTING HOSES AND CYLINDERS. ALWAYS USE PROTECTIVE GLOVES AND EYEWARE.**
- Remove the plugs and caps from hoses and cylinders. **KEEP THE PLUGS AND CAPS WHERE THEY CAN BE REFITTED TO THE CYLINDERS AND HOSES!** Connect the RED hose assembly to the “A” cylinder. Connect the BLUE hose assembly to the “B” cylinder. The “A” cylinder has a MALE fitting and the “B” cylinder has a FEMALE fitting.
- Place the nitrogen bottle in a convenient location near the chemical cylinders and secure to suitable support. Connect the nitrogen regulator assembly to the bottle. Connect the RED-marked “A” hose to the fitting on the “A” cylinder. Connect the BLUE-marked “B” hose to the fitting on the “B” cylinder.
- Recheck all hose connections!



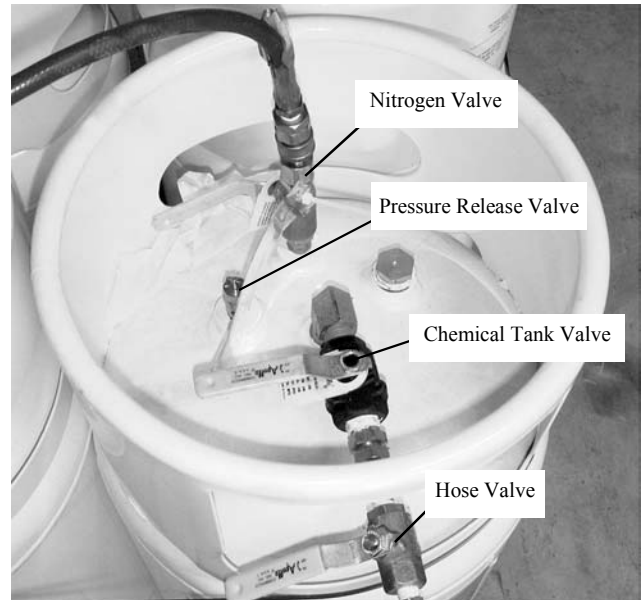
One regulator controls the nitrogen pressure for both chemical tanks. The nitrogen gauge shows the pressure inside the nitrogen tank.



RTF 1000 EZ

Startup

- Be sure that all valves are closed.
- Open the valve of the nitrogen bottle and check for leaks. Adjust regulator to 170 PSI \pm . (this may vary due to ambient temp.)
- Open nitrogen valves to both chemical cylinders marked “A” and “B”. Check for leaks.
- The nitrogen pressure range for the foam system is 100-200 PSI. **(pressures in excess of 200 PSI will cause the pressure release valve to disengage)**
- Open the chemical valves on “A” and “B” cylinders to the main hose assembly. Check for leaks.
- **Position a garbage can with a plastic liner at the work area.**
- Open the “A” and “B” valves on the dispenser.
- Trigger the dispenser into the trash can liner for 5 seconds. (New equipment startup requires dispensing for 30 seconds to remove air inside the system.)
- You are now ready to calibrate.



Open the nitrogen valve, the chemical tank valve and the hose valve.



Remove the mix cartridge plug from the dispenser.

RTF 1000 EZ

Calibration

- Calibration should take place **just** prior to installation of the roof covering.
- Make sure that the chemicals are at the proper operating temperature (70-90°F). Adjust regulators to 170 PSI ±. (This may vary due to ambient temperature).
- Weigh and tare (or record) the empty cup or a paper bag using the scale. **DO NOT USE MIX NOZZLE WHEN CALIBRATING**
- After check that both valves on the dispenser are closed, open the “A” valve only.
- Using a stopwatch or clock, dispense for a period of 5 seconds into the cup or bag and weigh it.
- Open the “B” valve and dispense both “A” and “B” to purge mix cartridge ports by activating dispenser while pulling the trigger back to the handle. **PURGING IS CRITICAL TO AVOID CLOGGING.**
- Close the “A” valve in the dispenser.
- Again, weigh the cup or paper bag and record the weight.
- Repeat the procedure for the “B” valve weighing and purging and weighing again as before.
- The proper chemical mix ratio should be maintained at 1.0 to 1.15 parts of “A” to 1.00 parts of “B” by weight. (see ration calibration chart).
- If the mix ratio is not within this range, increase or decrease the “A” or the “B” chemical flow by adjusting the needle valves on the RTF 1000 EZ dispenser. Calibrate once more. If the system is off-ratio, continue adjusting chemical flow until the proper mix ratio is attained.
- Calculate the “A/B” ratio.



With only the “A” Valve open, dispense a brief timed shot into a cup or paper bag. Then repeat the procedure for the “B” component. Do not use mix nozzle when calibrating.



With chemical at the proper operating temperature (70-90° F.), adjust regulator to 170 PSI±.

RTF 1000 EZ

Ratio Calculation

Below are a few examples illustrating how the Chemical (“A”/ “B”) ratio is calculated.

Example #1

“A”, :41 gm.
“B”, :33 gm.
 $41/33 = 1.24$ “A”/ “B” ratio
TOO MUCH “A”

Example #2

“A”, :41 gm.
“B”, :35 gm.
 $41/35 = 1.17$ “A”/ “B” ratio
TOO MUCH “A”

Example #3

“A”, :41 gm.
“B”, :39 gm.
 $41/39 = 1.05$ “A” / “B” ratio
System is in ratio and ready to
dispense material.

After calibration is completed install static mix nozzle on the end of the mix cartridge, prior to installing product. Each nozzle **must** have a spiral insert to ensure proper mix.

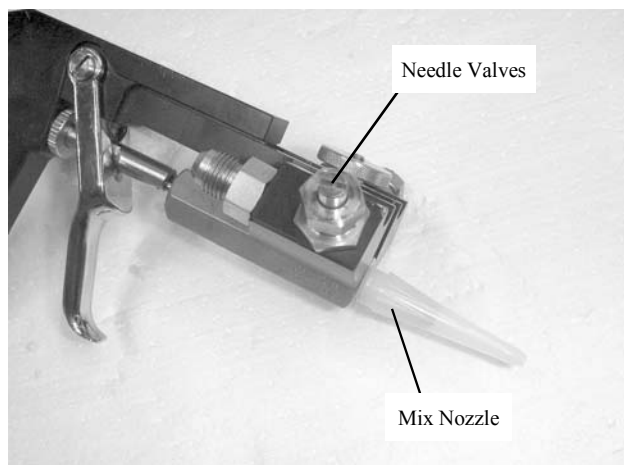
Remember always pull the trigger back to the handle when dispensing the material.

Important Note:

It may be necessary to increase the quantity of adhesive in low temperature applications. What is important is that the amount required by the code gets dispensed according to the paddy size. **Check with your local code for approved paddy sizes and the required contact area.**



Weigh and tare the empty cup or the paper bag using the scale. Using a stop watch dispense for a period of 5 seconds and weigh it.



After calibration is complete install a static mix nozzle.

RTF 1000 EZ

Ratio Calibration Chart

5 Second Shot

FOR CALIBRATING THE RTFA1000EZ—SERIES GUNS

Note: Below is a chart which will predetermine the 5 second shot weight of the “B” chemical once a shot of the “A” chemical has been weighed. The nitrogen pressure for the “A” and “B” should be set the same PSI (approximately 170 PSI) depending on the ambient temperature. Turn the “A” or “B” EZ adjustable valve clockwise or counterclockwise accordingly to keep the weight of the chemical within the range on the chart. If adjustment of the EZ valve does not effect the quantity of material coming out of the gun, check and/or clean the filters and mix cartridge or orifices of the EZ gun.

(weight in grams)

If the Weight of the “A” Chemical is:	The Weight of the “B” Chemical must be between:		If the Weight of the “A” Chemical is:	The Weight of the “B” Chemical must be between:
25	22-25		56	49-56
26	23-26		57	50-57
27	24-27		58	51-58
28	25-28		59	52-59
29	26-29		60	52-60
30	26-30		61	53-61
31	27-31		62	54-62
32	28-31		63	55-63
33	29-33		64	56-64
34	30-34		65	57-65
35	31-35		66	58-66
36	32-36		67	59-67
37	33-37		68	59-68
38	33-38		69	60-69
39	34-39		70	61-70
40	35-40		71	62-71
41	36-41		72	63-72
42	37-42		73	64-73
43	38-43		74	65-74
44	39-44		75	66-75
45	39-45		76	66-76
46	41-46		77	67-77
47	42-47		78	68-78
48	43-48		79	69-79
49	44-49		80	70-80
50	45-50		81	70-81
51	45-51		82	71-82
52	46-52		83	72-83
53	46-53		84	73-84
54	47-54		85	74-85
55	48-55	7	86	75-86

RTF 1000 EZ

Shutdown and Storage

CLOSE IN THIS ORDER

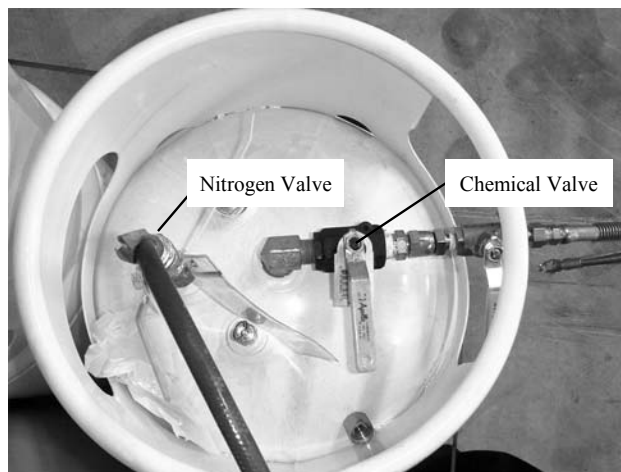
- Gun Valves.
- Close all hose valves.
- Close all chemical tank valves.
- Close nitrogen valves.
- Close nitrogen cylinder valves.
- Remove plastic mix nozzle and place in a jar of solvent.
- Fill threaded cartridge area with solvent and reinstall end plug.

DO NOT ATTEMPT TO FLUSH MATERIAL IN HOSES. IT IS NOT NECESSARY.

The RTF1000 EZ Series

To insure the smoothest operation of the EZ gun follow this procedure:

1. Clean the mix cartridge ports using the metal pick provided.
2. When the mix cartridge has been removed for cleaning, reinstall the mix cartridge making sure the “o” rings are seated. Over tightening of the thumbnut will cause the threaded stud of the mix cartridge to break rendering the mix cartridge useless.
3. When shutting down or storing the equipment for the day, remove the static mixer. Fill the tip of the cartridge with glycol and reinstall the end plug.



Close all valves starting from the gun and ending with the nitrogen tank.



When shutting down, remove the static mixer. Fill the tip of the cartridge with Glycol and reinstall the end plug.

RTF 1000 EZ

Changing Cylinders

When a cylinder becomes empty, the dispenser will begin to spray an irregular mixture of chemical and nitrogen, similar to running out of product in an aerosol can for this reason it is suggested the installer periodically spray a test paddy.

- Turn Off:
 1. Gun valves
 2. Chemical valves on the hoses
 3. Chemical valves on the cylinders
 4. Nitrogen valves on the cylinders
 5. Nitrogen tank

CAUTION: SAFETY GLASSES, GLOVES AND PROTECTIVE CLOTHING SHOULD BE WORN WHENEVER CYLINDER HOSES ARE BEING CONNECTED OR DISCONNECTED!

- Be sure all the valves are closed!
- Disconnect the nitrogen hoses from the cylinders by removing the quick-disconnect couplings.
- Place a paper towel under each cylinder-to-hose assembly swivel fitting and CAREFULLY unscrew the fitting. Replace the safety cap ("A" cylinder) and safety plug ("B" cylinder) IMMEDIATELY!

SAFETY CAUTION: THE SAFETY CAPS AND PLUGS ON THE CYLINDERS ARE CRITICAL TO PREVENTING A CHEMICAL SPILL IF A VALVE IS ACCIDENTALLY OPENED! CYLINDERS MUST HAVE CAPS AND PLUGS INSTALLED BEFORE SHIPPING THEM BACK FOR REFILLING.

- Replace the empty cylinders with full ones. Be sure all valves are closed on the new cylinders.
- If gun hoses are not immediately reconnected to the new set of chemical cylinders the hoses must be properly sealed with end plugs and cap to prevent the clogging of the them.



When changing cylinders make sure all chemical valves and nitrogen valves are closed.

IMPORTANT CAUTIONARY NOTES:

Nitrogen bottles are under very high pressures. Observe extreme care when handling and always keep them properly secured.

Some people are allergic or sensitive to chemicals. If a reaction of any kind develops, stop and inform your supervisor.

It is recommended that you wear protective clothing, eyewear and gloves. A NIOSH approved mask is required in a non-ventilated area.

In case of accidental contact with your eyes, wash them with water for no less than 15 minutes. If irritation persists, seek medical attention.

If there is accidental contact with large skin areas you must remove most of the chemical with a clean cloth, then wash thoroughly with soap and water.

IMPORTANT

Always read the "Material Safety Data Sheets" (MSDS) in case of small or large spills. These can be found on the tank chemical cylinders.

RTF 1000 EZ

Changing Cylinders (cont.)

- **Prior to connecting or disconnecting cylinders be sure all valves are in the OFF position.**
- Remove the safety cap from the “A” cylinder. Connect the **RED** hose assembly to the “A” cylinder.
- Remove the safety end plug from the “B” cylinder. Connect the **BLUE** hose assembly to the “B” cylinder.
- Attach the **RED** “A” nitrogen hose to the “A” cylinder. Attach the **BLUE** “B” nitrogen hose to the “B” cylinder.
- Follow normal start-up procedures (page 4) and inspect for leaks.
- Replace end caps and end plugs in empty cylinders.

RTF 1000 EZ

Troubleshooting

CONDITION:

- Cured material is too soft, sponge-like feel:
- Cured material is too hard, brittle:
- Unable to ratio; not enough “A” component flow:
- Unable to ratio; not enough “B” component flow:

CAUSE/ACTION:

- Off ratio; not enough “A” component. Check ratio.
- Off ratio; not enough “B” component. Check ratio.
- Check for blockage in “A” filter chamber and “A” port in mix cartridge.
- Check for blockage in “B” filter chamber and “B” port in mix cartridge.

RTF 1000 EZ

Maintenance

MIX CARTRIDGE

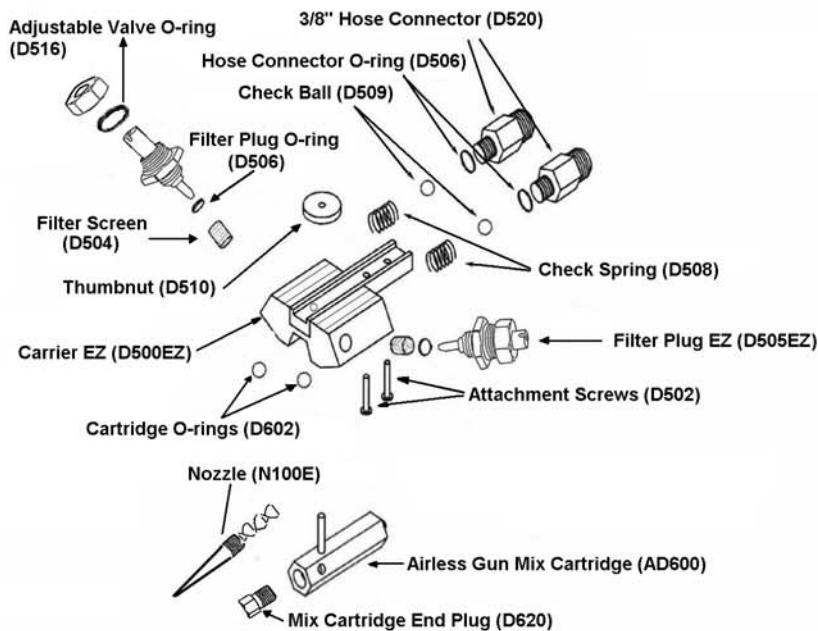
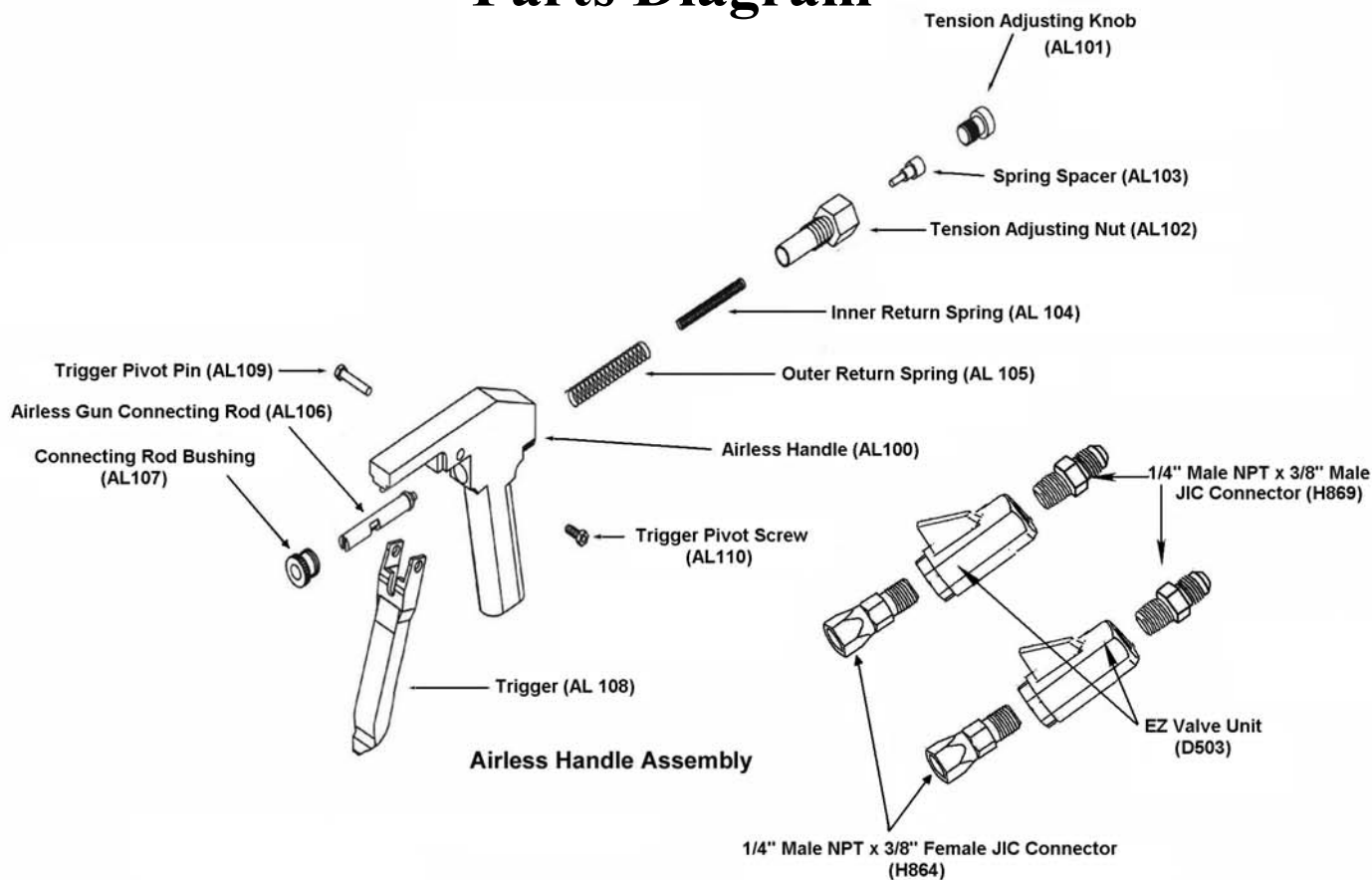
- The mixing cartridge cannot be rebuilt.
- Do not remove ports from the mix cartridge body.
- Do not remove the mix cartridge rod from the cartridge body.

MIXING CARTRIDGE CLEANING

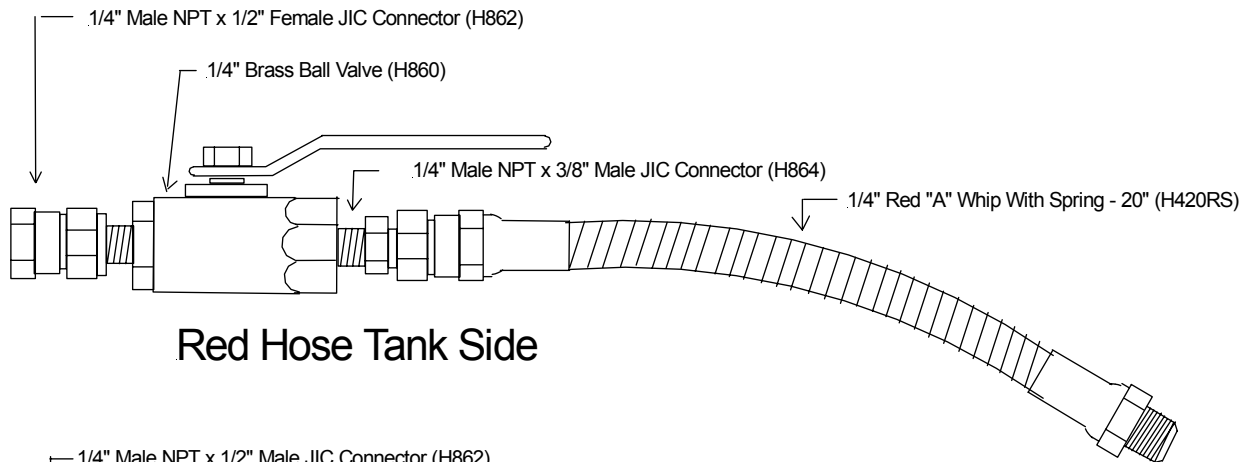
- Mix cartridge ports may be cleaned.
- Close the chemical valves on the gun when cleaning or removing mix cartridge.
- Remove cartridge by removing thumb nut from mix cartridge stud.
- Using port pick clean ports to ensure unrestricted chemical flow.
- **Be sure to observe and insure o-rings are in place under the cartridge and air cylinder during reassembly.**
- Prior to reassembly inspect mix cartridge.

RTF1000EZ

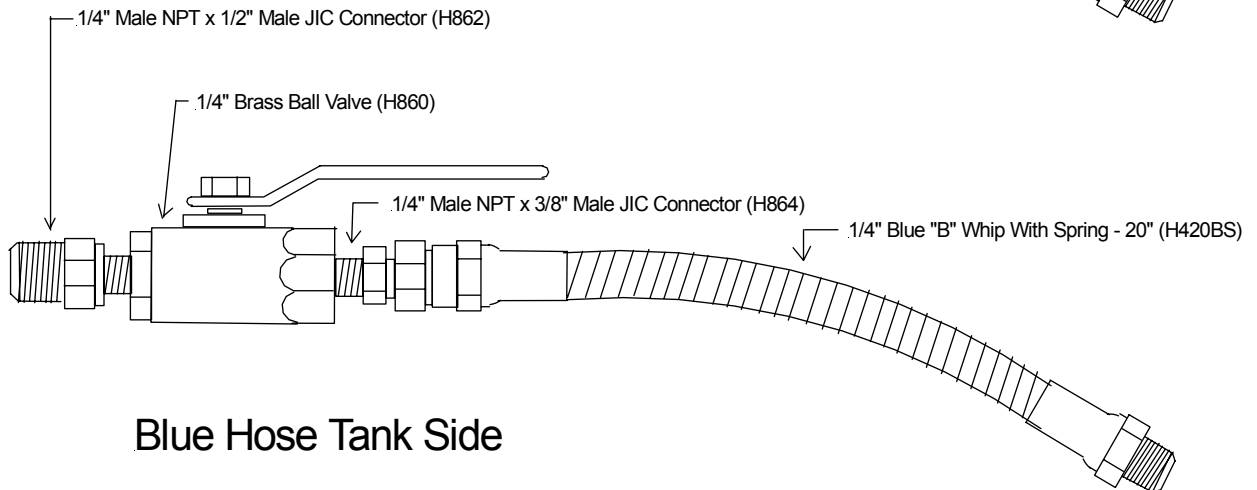
Parts Diagram



Carrier Assembly



Red Hose Tank Side



Blue Hose Tank Side

Hose Whip Assembly

RTF1000 PARTS LIST

Part Description	Part #
AIRLESS HANDLE GUN PARTS	
AIRLESS HANDLE	AL100
TENSION ADJUSTING KNOB	AL101
TENSION ADJUSTING NUT	AL102
SPRING SPACER	AL103
INNER RETURN SPRING	AL104
OUTER RETURN SPRING	AL105
AIRLESS GUN CONNECTING ROD	AL106
CONNECTING ROD BUSHING	AL107
AIRLESS TRIGGER	AL108
TRIGGER PIVOT PIN	AL109
TRIGGER PIVOT SCREW	AL110
TIMER HANDLE GUN PARTS	
1/8" MALE AIR FITTING	D202
TIMER REMOVAL CONVERSION KIT	D249
RTF1000/PPP HANDLE (FULLY ASSEMBLED) (SAME AS D200)	D250
AIRLESS HANDLE (FULLY ASSEMBLED)	D250A
TIMER HANDLE (FULLY ASSEMBLED)	D250T
TIMER HANDLE	D251
TRIGGER SWITCH (SAME AS D270)	D254
TIMER CABLE	D260
TRIGGER FOR TIMER HANDLE	D271
TRIGGER SWITCH SCREW	D272
1/8" MALE NPT X 1/8" 900 TUBE COMPRESSION CONNECTOR	D274
TRIGGER SPRING FOR TIMER HANDLE (SAME AS D508)	D280
TRIGGER STOP SCREW	D283
HANDLE COVER PLATE	D291
NON-TIMER HANDLE GUN PARTS	
MANUAL HANDLE (RTF1000/PPP)	D201
TRIGGER ASSEMBLY COMPLETE	D300
TRIGGER FOR MANUAL HANDLE	D301
TRIGGER SPRING FOR MANUAL HANDLE	D302
TRIGGER O-RING FOR MANUAL HANDLE - 011	D303
TRIGGER SET SCREW FOR MANUAL HANDLE	D304
AIR CYLINDER	
AIR CYLINDER (COMPLETE)	D400
CYLINDER BODY	D401
PISTON	D402
SET SCREW	D403
PISTON O-RING - 224	D404
CONNECTING ROD	D405
BUSHING	D406
INSIDE BUSHING O-RING - 012 (D506)	D407
OUTSIDE BUSHING O-RING - 014	D408
BUSHING C-CLIP	D409
BACK PLATE	D410
BACK PLATE O-RING - 032	D411
BACK PLATE C-CLIP	D412
THUMBSCREW	D413

RTF 1000 PARTS LISTS

Part Description	Part #
CYLINDER/HANDLE O-RING - 008	D414
AIR CYLINDER REPAIR KIT	D415
BUSHING REPAIR KIT	D416
CARRIER	
CARRIER (ASSEMBLED) (1) - D501; (1) - D503R; (1) - D503B	D500
CARRIER BODY	D501
ATTACHMENT SCREW	D502
RED "A" VALVE UNIT	D503R
BLUE "B" VALVE UNIT	D503B
EZ VALVE UNIT	D503EZ
FILTER SCREEN	D504
FILTER PLUG	D505
FILTER PLUG EZ	D505EZ
FILTER PLUG O-RING - 012 (D407)	D506
1/2" GUN TO HOSE CONNECTOR	D507
CHECK SPRING (SAME AS D280)	D508
CHECK BALL	D509
THUMB NUT	D510
VALVE O-RING KIT (1) - D602; (2) - D506	D511
VALVE SNAP RING	D512
VALVE PIN STOP	D513
3/8" GUN TO HOSE CONNECTOR	D520
VALVE O-RING V-009 - PRT. OF D511	Inventory
VALVE O-RING V-012 - PRT. OF D511	Inventory
CARTRIDGE	
AIRLESS GUN MIX CARTRIDGE (LOW OUTPUT) (A & B PORTS)	AD600
AIRLESS GUN MIX CARTRIDGE (LOW OUTPUT) (A & A PORTS)	AD600LA
CARTRIDGE O-RING - 009	D602
MIX CARTRIDGE (LOW OUTPUT) (A & B PORTS)	D603L
MIX CARTRIDGE (LOW OUTPUT) (A & A PORTS)	D603LA
1/4" NPT MIX CARTRIDGE END PLUG	D620
AIR INJECTION	
1/8" AIR INJECTION TEE	D701
1/8" ELBOW (AIR INJECTION)	D702
NEEDLE VALVE	D703
ON/OFF VALVE	D704
1/8" NIPPLE (D273) (AIR INJECTION)	D705
CARTRIDGE TUBING ELBOW	D706
1/8" TUBING ADAPTER	D707
1/4" PLASTIC TUBING (FT) (RED)	D708R
1/4" PLASTIC TUBING (FT) (BLUE) (OLD TIMER)	D708B
1/4" PLASTIC TUBING (FT) (WHITE)	D708W
1/8" AIR HOSE COUPLING (OLD TIMER REPAIR)	D709
1/8" MALE NPT X 1/8" FEMALE SWIVEL CONNECTOR	D710
1/8" MUFFLER	D711
SOLENOID (COMPLETE)	D712
SOLENOID AIR VALVE BODY	D713
SOLENOID ELECTRICAL UNIT	D714
1/8" AIR MANIFOLD (OLD TIMER)	D715

RTF 1000 PARTS LISTS

Part Description	Part #
MANIFOLD	
MANIFOLD	GM100
MANIFOLD WITH FITTINGS - RTF1000	GM100 BASIC
MANIFOLD WITH FITTINGS & BALL VALVES - RTF1000	GM100 COMP.
MANIFOLD WITH FITTINGS - AIRLESS	GM100AL BASIC
MANIFOLD WITH FITTINGS & BALL VALVES - AIRLESS	GM100AL COMP.
HOSE ASSEMBLY	
1/2" CLOSE NIPPLE	H805
FILTER UNIT WITH SCREEN	H806
TANK FILTER UNIT COMPLETE - 1/4" RED "A"	H806-14RC
TANK FILTER UNIT COMPLETE - 1/4" BLUE "B"	H806-14BC
TANK FILTER UNIT COMPLETE - 3/8" RED "A"	H806-38RC
TANK FILTER UNIT COMPLETE - 3/8" BLUE "B"	H806-38BC
1/2" BALL VALVE	H807
1/2" MALE NPT X 1/2" FEMALE JIC CONNECTOR	H808
1/2" MALE NPT X 1/2" MALE JIC CONNECTOR	H809
HOSE FILTER SCREEN	H810
SCUFF GUARD (FT)	H815
RUBBER HOSE INSULATION (FT.)	H823
1/2" MALE JIC X 1/2" MALE JIC CONNECTOR	H826
1/4" MALE JIC X 1/2" MALE JIC CONNECTOR	H830
1/4" MALE JIC X 3/8" MALE JIC CONNECTOR	H832
1/4" FEMALE NPT X 1/4" FEMALE NPT AIR SWIVEL FITTING	H833
2" X 30' ROLL BLACK TAPE	H834
1/4" MALE JIC X 1/4" MALE JIC CONNECTOR (PROPACK)	H836
3/8" MALE JIC x 3/8" MALE JIC HOSE REPAIR FITTING	H844
1/4" MALE NPT X 3/8" HOSE REPAIR FITTING	H849
HOSE REPAIR SWIVEL FITTING 3/8" (FEMALE JIC) (REPAIR PART)	H851
HOSE REPAIR SWIVEL FITTING 1/2" (FEMALE JIC) (REPAIR PART)	H852
HOSE REPAIR SWIVEL FITTING 1/4" (FEMALE JIC) (REPAIR PART)	H853
1/4" MALE NPT X 1/4" HOSE REPAIR FITTING	H854
1/4" BRASS BALL VALVE (PROPACK PLUS ALSO)	H860
1/4" MALE NPT X 1/2" MALE JIC CONNECTOR	H862
1/4" MALE NPT X 1/2" FEMALE JIC CONNECTOR	H863
1/4" MALE NPT X 3/8" MALE JIC CONNECTOR	H864
TIMER EXTENSION WIRE	H865
3/8" X 20" AIR HOSE EXTENSION WHIP	H867
1/4" X 5" AIR HOSE EXTENSION	H868
1/4" MALE NPT X 3/8" FEMALE SWIVEL JIC CONNECTOR	H869
1/2" JIC HOSE END PLUG	H870
1/2" JIC HOSE END CAP	H871
3/8" JIC END PLUG	H872
3/8" JIC HOSE END CAP	H873
1/4" MALE JIC X 1/2" MALE NPT CONNECTOR	H874
AIR LINE FILTER UNIT	H890

RTF 1000 PARTS LISTS

Part Description

Part

HOSE WHIPS

1/4" RED "A" WHIP - 20"	H420R
1/4" BLUE "B" WHIP - 20"	H420B
1/4" RED "A" WHIP WITH SPRING - 20"	H420RS
1/4" BLUE "B" WHIP WITH SPRING - 20"	H420BS
3/8" RED "A" WHIP - 20"	H855R
3/8" RED "A" WHIP WITH SPRING - 20"	H855RS
3/8" BLUE "B" WHIP - 20"	H855B
3/8" BLUE "B" WHIP WITH SPRING - 20"	H855BS

HOSE SYSTEMS

25 FT. - 1/4" HOSE (WITH AIR)	H4826
25 FT. - 1/4" HOSE (NO AIR) (PROPACK PLUS ALSO)	H4826AL
25 FT. 1/4" HOSE (AIR & ELEC.)	H4826AE
50 FT. - 1/4" HOSE (WITH AIR)	H4819
50 FT. - 1/4" HOSE (NO AIR)	H4819AL
50 FT. - 1/4" HOSE (AIR & ELEC.)	H4819AE
50 FT. - 3/8" HOSE (AIR & ELEC.) INCLUDES SCUFFGUARD & INSULATION	H819AE

HOSE SYSTEMS (Continued)

50 FT. - 3/8" HOSE (NO AIR) INCLUDES SCUFFGUARD & INSULATION	H819AL
100 FT. - 1/4" HOSE (AIR & ELEC.)	H4821AE
100 FT. - 1/4" HOSE (WITH AIR)	H4821
100 FT. - 1/4" HOSE (NO AIR)	H4821AL
100 FT. - 3/8" HOSE (AIR & ELEC.) INCLUDES SCUFFGUARD & INSULATION	H821AE
100 FT. - 3/8" HOSE (NO AIR) INCLUDES SCUFFGUARD & INSULATION	H821AL
100 FT. RED HOSE REPLACEMENT 3/8"	H821R
100 FT. BLUE HOSE REPLACEMENT 3/8"	H821B
100 FT. - 1/2" HOSE (AIR & ELEC.) INCLUDES SCUFFGUARD & INSULATION	H822AE
100 FT. - 1/2" HOSE (NO AIR) INCLUDES SCUFFGUARD & INSULATION	H822AL
25 FT. - 3/8" RED HOSE (INDIVIDUAL REPLACEMENT HOSE) (PPP ALSO)	HP825R
25 FT. - 3/8" BLUE HOSE (INDIVIDUAL REPLACEMENT HOSE) (PPP ALSO)	HP825B
25 FT. - 1/4" RED HOSE (INDIVIDUAL REPLACEMENT HOSE) (PPP ALSO)	HP827R
25 FT. - 1/4" BLUE HOSE (INDIVIDUAL REPLACEMENT HOSE) (PPP ALSO)	HP827B
25 FT. - 1/4" AIR HOSE (INDIVIDUAL REPLACEMENT HOSE) (PPP ALSO)	HP828
1/4" MALE JIC X 1/4" MALE NPT CONNECTOR (PPP ALSO)	HP829
1/4" MALE NPT X 1/4" FEMALE JIC CONNECTOR (PPP ALSO)	HP831
1/4" HOSE END PLUG (PROPACK PLUS)	HP832
1/4" HOSE END CAP	HP833

PROPACK SPARE PARTS

GUN/HOSE ASSEMBLY - 7 1/2 FT. (PROPACKS)	PP100
HOSE EXTENSION - 10 FT. (PP-100 ONLY) (PROPACKS)	PP102
GUN/HOSE ASSEMBLY - 15 FT. (PROPACKS)	PP103
EXTRA LENGTH MIX NOZZLE - 10/PKG. (PROPACKS)	PP105

RTF 1000 PARTS LISTS

Part Description

Part

REGULATOR ASSEMBLY

REGULATOR ASSEMBLY COMPLETE	R900
REGULATOR "A" COMPONENT - RED (REPAIR PART)	R900R
REGULATOR "B" COMPONENT - BLUE (REPAIR PART)	R900B
REGULATOR ASSEMBLY COMPLETE EZ	R900EZ
REGULATOR ASSEMBLY (NO HOSES)	R901
REGULATOR ASSEMBLY (NO HOSES)	R901EZ
PRESSURE RELEASE VALVE (REPAIR PART)	R905
4000 PSI GAUGE (REPAIR PART)	R906
300 PSI GAUGE (REPAIR PART)	R907
RED NITROGEN HOSE - 10 FT	R908R
BLUE NITROGEN HOSE - 10 FT	R908B
TANK PRESSURE CONNECTOR (FEMALE)	R909F
TANK PRESSURE CONNECTOR (MALE)	R909M
1/4" PLANT MALE AIR FITTING	R912
1/4" 90° STREET ELBOW	R915
1/4" PLANT FEMALE QUICK DISCONNECT (AIR)	R916
1/4" MALE NPT X 1/4" FEMALE NPT BRANCH "T"	R917
1/4" MALE NPT X 1/4" FEMALE NPT STREET ELBOW	R918
1/4" FEMALE NPT X 3/8" MALE NPT BUSHING	R919

TIMER

MINI TIMER II	RT750II
TIMER CABLE (100 FT.) (HEAVY DUTY)	RT755
AC ADAPTOR 110V	RT760
DC ADAPTOR 12V	RT765

QUICK CHANGES UNITS - NO GUNS

H850-14-NG KIT (1/4" WHIPS; BALL VALVES; END PLUGS AND CAPS)	H850-14 NG
H850-38-NG KIT (3/8" WHIPS; BALL VALVES; END PLUGS AND CAPS)	H850-38 NG

GUNS COMPLETE (INC. HOSE CONNECTORS)

RTF 1000 WITH D520 HOSE CONNECTOR	RTF1000-14
RTF 1000 WITH D507 HOSE CONNECTOR	RTF1000-38
RTF 1000A WITH D520 HOSE CONNECTOR	RTF1000A-14
RTF 1000T WITH D520 HOSE CONNECTOR	RTF1000T-14
RTF 1000T WITH D507 HOSE CONNECTOR	RTF 1000T-38
RTF 1000A (PROPACK PLUS) WITH D520 HOSE CONNECTOR	RTF-1000A-PP

QUICK CHANGE UNITS WITH GUN

RTF1000 WITH 1/4" WHIPS AND BALL VALVES	RTF-QCU-14
RTF1000 WITH 3/8" WHIPS AND BALL VALVES	RTF-QCU-38
RTF1000A WITH 1/4" WHIPS AND BALL VALVES	RTFA-QCU-14
RTF1000T WITH 1/4" WHIPS AND BALL VALVES	RTFT-QCU-14
RTF1000T WITH 3/8" WHIPS AND BALL VALVES	RTFT-QCU-38

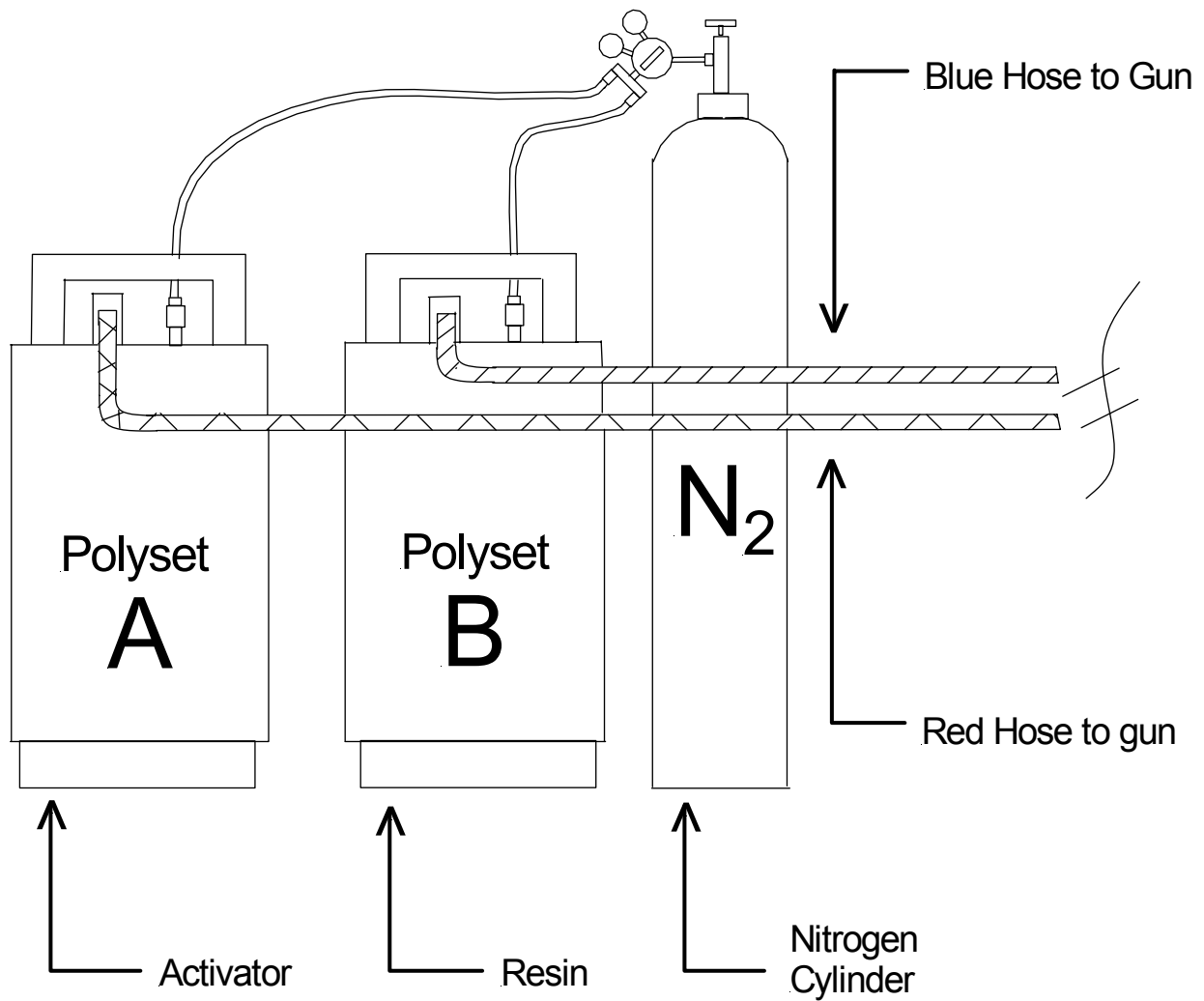
RTF 1000 PARTS LISTS

Part Description

Part

ACCESSORIES

EMPTY SOLVENT BOTTLE (FLIP TOP)	A1006S
1 - QUART GLYCOL	A1007
1 - GALLON GLYCOL	A1008
5 - GALLON GLYCOL	A1085
PORT CLEANING PICK	A1009
PORT CLEANING PICK - EX.LOW	A1009L
INSTALLATION/OPERATING MANUAL - RTF1000 SERIES - (ENGLISH)	A1010E
INSTALLATION/OPERATING MANUAL - RTF1000 SERIES - (SPANISH)	A1010S
CALCULATOR	A1019
SMALL GRAM SCALE	A1020
TIE STRAP (SMALL)	A1021
TIE STRAP (LARGE)	A1022
O-RING LUBRICANT	A1055
FEMALE PIN	A1095
MALE PIN	A1096
FEMALE CONNECTOR ASSEMBLY	A1098
MALE CONNECTOR ASSEMBLY	A1099
BACKSHELL (CONNECTOR ASSEMBLY)	A1100
START-UP SPARE PARTS KIT (RTF1000T)	A2400
START-UP SPARE PARTS KIT (RTF1000)	A2500
START-UP SPARE PARTS KIT (RTF1000A)	A2600
SPRAY NOZZLE WITH ELEMENT (RTF1000A)	N100E
POUR NOZZLE	N200
STATIC MIX TUBE	N600
BASIC PACK - RTF1000	BASIC RTF1000
BASIC PACK - RTF1000A	BASICRTF1000A
BASIC PACK - RTF1000T	BASIC RTF1000T



Dispensing System

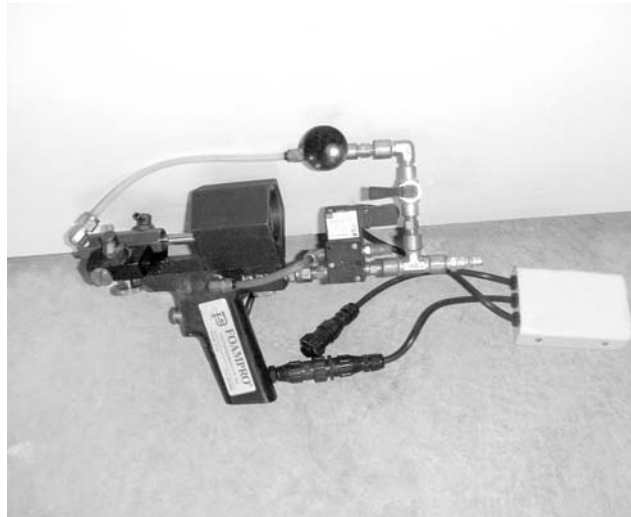
RTF 1000 EZ

Different Types of Guns

RTF1000



RTF1000 with Timer



RTF1000EZ

