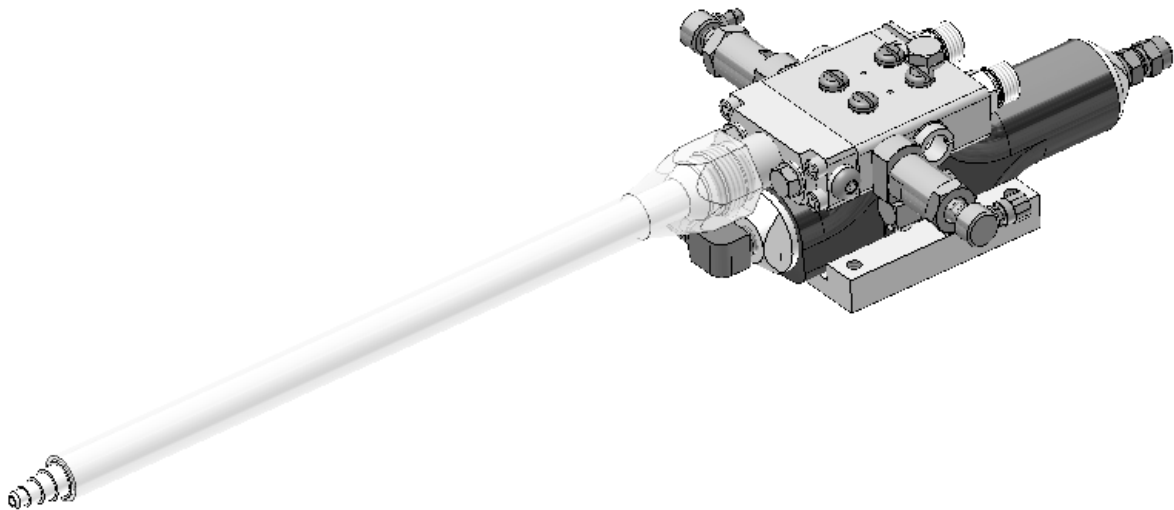


1 to 1 Pro Gun

Manual

This manual is applicable to the following models:

- CPD-4000
- CPD-4000-A
- CPD-4000-A-INV
- PRTM-RG-1000-A
- CPD-5000
- CPD-5000-A
- CPD-5000-SILO
- CPD-5000-SNZ
- CPD-6000
- CPD-6000-A
- CPD-6000-HO
- CPD-7000
- CPD-8000
- CPD-8000-A



Rev. March 2020



CORPORATE HEADQUARTERS

2030 Falling Waters Rd, Suite 350, Knoxville, TN 37922 · USA · Tel: (865) 686-5670

DISTRIBUTION AND PURCHASING

642 Barbrow Ln, Knoxville, TN 37932 · USA · Tel: (865) 684-4416

TECHNOLOGY CENTER AND MANUFACTURING

1862 Ives Ave, Kent, WA 98032 · USA · Tel (253) 854-2660 · Fax (253) 854-1666

E-mail: info@mvpind.com

For a list of international distributors, visit our website at :

www.mvpind.com/mvp-international

Use of this product confirms that Magnum Venus Products, Inc.'s standard terms and conditions of sale apply.



Table of Contents

Section	Page
• Table of Contents	3
• Safety & Warning Information	4
• Introduction	15
• Getting Started	16
• Disconnecting from the Unit	17
• Disassembling the Gun	18
• Reassembling Gun Block	21
• Rebuilding Actuator	26
• Rebuilding Gun Handle	27
• Reassembling Gun	30
• Parts Information	31

Safety & Warning Information

Warnings

Due to the vast number of chemicals that could be used and their varying chemical reactions, the buyer and user of this equipment should determine all factors relating to the fluids used, including any of the potential hazards involved. Particular inquiry and investigation should be made into potential dangers relating to toxic fumes, fires, explosions, reaction times, and exposure of human beings to the individual components or their resultant mixtures. MVP assumes no responsibility for loss, damage, expense or claims for bodily injury or property damage, direct or consequential, arising from the use of such chemical components.

The end user is responsible for ensuring that the end product or system complies with all the relevant laws in the country where it is to be used and that all documentation is adhered to.

Recommended Occupational Safety & Health Act (OSHA) Documentation:

- 1910.94 Pertaining to ventilation
- 1910.106 Pertaining to flammable liquids
- 1910.107 Pertaining to spray finishing operations, particularly paragraph (m), Organic Peroxides and Dual Component Coatings

For Additional information, contact the Occupational Safety and Health Administration (OSHA) at <https://www.osha.gov/about.html>.

Recommended National Fire Protection Association (NFPA) Documentation:

- NFPA No.33 Chapter 14 Organic Peroxides and Dual Component Materials
- NFPA No. 63 Dust Explosion Prevention
- NFPA No. 70 National Electrical Code
- NFPA No. 77 Static Electricity
- NFPA No. 91 Blower and Exhaust System
- NFPA No. 654 Plastics Industry Dust Hazards

Fire Extinguisher – code ABC, rating number 4a60bc using Extinguishing Media –Foam, Carbon Dioxide, Dry Chemical, Water Fog, is recommended for this product and applications.

The following general warnings and guidelines are for the setup, use, grounding, maintenance, and repair of equipment. Additional product-specific warnings may be found throughout this manual as applicable. Please contact your nearest MVP Technical Service Representative if additional information is needed.

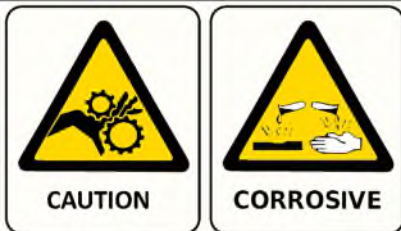
Safety Precautions

- Avoid skin contact and inhalation of all chemicals.
- Review Material Safety Data Sheet (MSDS) to promote the safe handling of chemicals in use.
- Restrict the use of all chemicals to designated areas with good ventilation.
- Chemicals are flammable and reactive.
- Noxious fumes released when combusted.
- Operate equipment in a ventilated environment only.
- Uncured liquid resins are highly flammable unless specifically labeled otherwise.
- Cured laminate, accumulations of overspray, and laminate sandings are highly combustible.
- Do not operate or move electrical equipment when flammable fumes are present.
- Ground all equipment.
- If a spark is seen or felt, immediately halt operation. Do not operate the equipment until the issue has been identified and repaired.
- Contaminated catalyst may cause fire or explosion.
- Containers may explode if exposed to fire / heat.
- Use and store chemicals away from heat, flames, and sparks.
- Do not smoke in work areas or near stored chemicals.
- Do not mix Methyl Ethyl Ketone Peroxide (MEKP) with materials other than polyethylene.
- Do not dilute MEKP.
- Keep food and drink away from work area.



Physical Hazards

- Never look directly into the spray gun fluid tip. Serious injury or death can result.
- Never aim the spray gun at or near another person. Serious injury or death can result.
- Chemical compounds can be severely irritating to the eyes and skin.
- Inhalation, ingestion, or injection may damage internal organs and lead to pulmonary disorders, cancers, lymphomas, and other diseases or health conditions.
- Other potential health effects include: irritation of the eyes and upper respiratory tract, headache, light-headedness, dizziness, confusion, drowsiness, nausea, vomiting, and occasionally abdominal pain.
- Eye contact: Immediately flush with water for at least 15 minutes and seek immediate medical attention.
- Skin Contact: Immediately wash with soap and water and seek immediate medical attention.
- Inhalation: Move the person to fresh air and seek immediate medical attention.
- Do not remove shields, covers, or safety features on equipment that is in use.
- Never place fingers, hands, or any body part near or directly in front of the spray gun fluid tip. The force of the liquid as it exits the spray tip can shoot liquid through the skin.
- Keep hands and body parts away from any moving equipment or components.
- Do not stand under plunger
- An improperly loaded drum may lead to an imbalance, causing a unit to tip over



Personal Protective Equipment (PPE)

- MVP recommends the use of personal safety equipment with all products in our catalog.
- Wear safety goggles, hearing protection, a respirator, and chemical resistant gloves.
- Wear long sleeve shirts or jackets and pants to minimize skin exposure.
- PPE should be worn by operators and service technicians to reduce the risk of injury.



For Additional information, contact the Occupational Safety and Health Administration (OSHA). <https://www.osha.gov/about.html>

Symbol Definitions



Indicates the risk of contact with chemicals that are hazardous, which may lead to injury or death.



Indicates the risk of contact with voltage / amperage that may lead to serious injury or death.



Indicates that the materials being used are susceptible to combustion.



Indicates the risk of contact with moving components that may lead to serious injury or death.



Indicates that the system or component should be grounded before proceeding with use or repair.



Indicates the use of lit cigarettes or cigars is prohibited, because the materials being used are susceptible to combustion.



Indicates that the materials and/or the process being performed can lead to ignition and explosion.



A recommendation for the use of Personal Protective Equipment (PPE) before using or repairing the product.

Polymer Matrix Materials: Advanced Composites

Potential health hazards associated with the use of advanced composites can be controlled through the implementation of an effective industrial hygiene and safety program.

https://www.osha.gov/dts/osta/otm/otm_iii/otm_iii_1.html#t_iii:1_1

Resins		
Composite Component	Organ System Target (Possible Target)	Known (Possible) Health Effect
Epoxy resins	Skin, lungs, eyes	Contact and allergic dermatitis, conjunctivitis
Polyurethane resins	Lungs, skin, eyes	Respiratory sensitization, contact dermatitis, conjunctivitis
Phenol formaldehyde	Skin, lungs, eyes	As above (potential carcinogen)
Bismaleimides (BMI)	Skin, lungs, eyes	As above (potential carcinogen)
Polyamides	Skin, lungs, eyes	As above (potential carcinogen)
Reinforcing materials		
Composite Component	Organ System Target (Possible Target)	Known (Possible) Health Effect
Aramid fibers	Skin (lungs)	Skin and respiratory irritation, contact dermatitis (chronic interstitial lung disease)
Carbon/graphite fibers	Skin (lungs)	As noted for aramid fibers
Glass fibers (continuous filament)	Skin (lungs)	As noted for aramid fibers
Hardeners and curing agents		
Composite Component	Organ System Target (Possible Target)	Known (Possible) Health Effect
Diaminodiphenylsulfone	N/A	No known effects with workplace exposure
Methylenedianiline	Liver, skin	Hepatotoxicity, suspect human carcinogen
Other aromatic amines		
Composite Component	Organ System Target (Possible Target)	Known (Possible) Health Effect
Meta-phenylenediamine (MPDA)	Liver, skin (kidney, bladder)	Hepatitis, contact dermatitis (kidney and bladder cancer)
Aliphatic and cyclo-aliphatic amines	Eyes, skin	Severe irritation, contact dermatitis
Polyaminoamide	Eyes, skin	Irritation (sensitization)
Anhydride	Eyes, lungs, skin	Severe eye and skin irritation, respiratory sensitization, contact dermatitis

Catalyst - Methyl Ethyl Ketone Peroxide (MEKP)

MEKP is among the more hazardous materials found in commercial channels. The safe handling of the “unstable (reactive)” chemicals presents a definite challenge to the plastics industry. The highly reactive property which makes MEKP valuable to the plastics industry in producing the curing reaction of polyester resins also produces the hazards which require great care and caution in its storage, transportation, handling, processing and disposal. MEKP is a single chemical. Various polymeric forms may exist which are more or less hazardous with respect to each other. These differences may arise not only from different molecular structures (all are, nevertheless, called “MEKP”) and from possible trace impurities left from the manufacture of the chemicals, but may also arise by contamination of MEKP with other materials in its storage or use. Even a small amount of contamination with acetone, for instance, may produce an extremely shock-sensitive and explosive compound.



WARNING

Contamination with promoters, materials containing promoters (such as laminate sandings), or with any readily oxidizing material (such as brass or iron) will cause exothermic redox reactions which can be explosive in nature. Heat applied to MEKP or heat buildup from contamination reactions can cause the material to reach its Self-Accelerating Decomposition Temperature (SADT).

Researchers have reported measuring pressure rates-of-rise well over 100,000 psi per second when certain MEKP's reach their SADT. For comparison, the highest-pressure rate-of-rise listed in NFPA Bulletin NO.68, “Explosion Venting”, is 12,000 psi per second for an explosion of 12% acetylene and air. The maximum value listed for a hydrogen explosion is 10,000 psi per second. Some forms of MEKP, if allowed to reach their SADT, will burst even an open topped container. This suggests that it is not possible to design a relief valve to vent this order of magnitude of pressure rate-of-rise. The user should be aware that any closed container, be it a pressure vessel, surge chamber, or pressure accumulator, could explode under certain conditions. There is no engineering substitute for care by the user in handling organic peroxide catalysts. If, at any time, the pressure relieve valve on top of the catalyst tank should vent, the area should be evacuated at once and the fire department called. The venting could be the first indication of a heat, and therefore, pressure build-up that could eventually lead to an explosion. Moreover, if a catalyst tank is sufficiently full when the pressure relief valve vents, some catalyst may spray out, which could cause eye injury. For this reason, and many others, anyone whose job puts them in an area where this vented spray might go, should always wear full eye protection even when laminating operations are not taking place.

Safety in handling MEKP depends to a great extent on employee education, proper safety instructions, and safe use of the chemicals and equipment. Workers should be thoroughly informed of the hazards that may result from improper handling of MEKP, especially regarding contamination, heat, friction and impact. They should be thoroughly instructed regarding the proper action to be taken in the storage, use, and disposal of MEKP and other hazardous materials used in the laminating operation. In addition, users should make every effort to:

- Store MEKP in a cool, dry place in original containers away from direct sunlight and away from other chemicals.
- Keep MEKP away from heat, sparks, and open flames.
- Prevent contamination or MEKP with other materials, including polyester over spray and sandings, polymerization accelerators and promoters, brass, aluminum, and non-stainless steels.

- Never add MEKP to anything that is hot, since explosive decomposition may result.
- Avoid contact with skin, eyes, and clothing. Protective equipment should be worn at all times. During clean-up of spilled MEKP, personal safety equipment, gloves, and eye protection must be worn. Firefighting equipment should be at hand and ready.
- Avoid spillage, which can heat up to the point of self-ignition.
- Repair any leaks discovered in the catalyst system immediately, and clean-up the leaked catalyst at once in accordance with the catalyst manufacturer's instructions.
- Use only original equipment or equivalent parts from Magnum Venus Products in the catalyst system (i.e.: hoses, fitting, etc.) because a dangerous chemical reaction may result between substituted parts and MEKP.
- Catalyst accumulated from the purging of hoses or the measurement of fluid output deliveries should never be returned to the supply tank, such catalyst should be diluted with copious quantities of clean water and disposed of in accordance with the catalyst manufacturer's instructions.

The extent to which the user is successful in accomplishing these ends and any additional recommendations by the catalyst manufacturer determines largely the safety that will be present in his operation.

Clean-Up Solvents and Resin Diluents



WARNING

A hazardous situation may be present in your pressurized fluid system! Hydro carbon solvents can cause an explosion when used with aluminum or galvanized components in a closed (pressurized) fluid system (pump, heaters, filters, valves, spray guns, tanks, etc.). An explosion could cause serious injury, death, and/or substantial property damage. Cleaning agents, coatings, paints, etc. may contain Halogenated Hydrocarbon solvents. Some Magnum Venus Products spray equipment includes aluminum or galvanized components and will be affected by Halogenated Hydrocarbon solvents.

There are three key elements to the Halogenated Hydrocarbon (HHC) solvent hazard.

- | | |
|--|--|
| 1. The presence of HHC solvents. | 1,1,1 – Trichloroethane and Methylene Chloride are the most common of these solvents. However, other HHC solvents are suspect if used; either as part of paint or adhesives formulation, or for clean-up flushing. |
| 2. Aluminum or Galvanized Parts. | Most handling equipment contains these elements. In contact with these metals, HHC solvents could generate a corrosive reaction of a catalytic nature. |
| 3. Equipment capable of withstanding pressure. | When HHC solvent contact aluminum or galvanized parts inside a closed container such as a pump, spray gun, or fluid handling system, the chemical reaction can, over time, result in a build-up of heat and pressure, which can reach explosive proportions. When all three elements are present, the result can be an extremely violent explosion. The reaction can be sustained with very little aluminum or galvanized metal; any amount of aluminum is too much. |

- The reaction is unpredictable. Prior use of an HHC solvent without incident (corrosion or explosion) does NOT mean that such use is safe. These solvents can be dangerous alone (as a clean-up or flushing agent) or when used as a component or a coating material. There is no known inhibitor that is effective under all circumstances. Mixing HHC solvents with other materials or solvents such as MEKP, alcohol, or toluene may render the inhibitors ineffective.
- The use of reclaimed solvents is particularly hazardous. Reclaimers may not add any inhibitors. The possible presence of water in reclaimed solvents could also feed the reaction.
- Anodized or other oxide coatings cannot be relied upon to prevent the explosive reaction. Such coatings can be worn, cracked, scratched, or too thin to prevent contact. There is no known way to make oxide coatings or to employ aluminum alloys to safely prevent the chemical reaction under all circumstances.
- Several solvent suppliers have recently begun promoting HHC solvents for use in coating systems. The increasing use of HHC solvents is increasing the risk. Because of their exemption from many state implementation plans as Volatile Organic Compounds (VOCs), their low flammability hazard, and their not being classified as toxic or carcinogenic substances, HHC solvents are very desirable in many respects.



WARNING

Do not use Halogenated Hydrocarbon (HHC) solvents in pressurized fluid systems having aluminum or galvanized wetted parts.

Magnum Venus Products is aware of NO stabilizers available to prevent HHC solvents from reaction under all conditions with aluminum components in closed fluid systems. HHC solvents are dangerous when used with aluminum components in a closed fluid system.

- Consult your material supplier to determine whether your solvent or coating contains Halogenated Hydrocarbon solvents.
- Magnum Venus Products recommends that you contact your solvent supplier regarding the best non-flammable clean-up solvent with the heat toxicity for your application.
- If, however, you find it necessary to use flammable solvents, they must be kept in approved, electrically grounded containers.
- Bulk solvent should be stored in a well-ventilated, separate building, 50 feet away from your main plant.
- You should only allow enough solvent for one day's use in your laminating area.
- NO SMOKING signs must be posted and observed in all areas of storage or where solvents and other flammable materials are used.
- Adequate ventilation (as covered in OSHA Section 1910.94 and NFPA No.91) is important wherever solvents are stored or used, to minimize, confine and exhaust the solvent vapors.
- Solvents should be handled in accordance with OSHA Section 1910.106 and 1910.107.

Catalyst Diluents

Magnum Venus Products spray-up and gel-coat systems currently produced are designed so that catalyst diluents are not required. Magnum Venus Products therefore recommends that diluents not be used to avoid possible contamination which could lead to an explosion due to the handling and mixing of MEKP and diluents. In addition, it eliminates any problems from the diluent being contaminated through rust particles in drums, poor quality control on the part of the diluents suppliers, or any other reason. If diluents are absolutely required, contact your catalyst supplier

and follow his instructions explicitly. Preferably the supplier should premix the catalyst to prevent possible “on the job” contamination while mixing.



WARNING

If diluents are not used, remember that catalyst spillage and gun, hose, and packing leaks are potentially more hazardous since each drop contains a higher concentration of catalyst and will therefore react more quickly with overspray and the leak.

Cured Laminate, Overspray and Laminate Sandings Accumulation

- Remove all accumulations of overspray, Fiberglass Reinforced Plastic (FRP) sandings, etc. from the building as they occur. If this waste is allowed to build up, spillage of catalyst is more likely to start a fire; in addition, the fire would burn hotter and longer.
- Floor coverings, if used, should be non-combustible.
- Spilled or leaked catalyst may cause a fire if it comes in contact with an FRP product, oversprayed chop or resin, FRP sandings or any other material with MEKP.

To prevent spillage and leakage, you should:

- | | |
|--|---|
| 1. Maintain your Magnum Venus Products System. | Check the gun several times daily for catalyst and resin packing or valve leaks. REPAIR ALL LEAKS IMMEDIATELY. |
| 2. Never leave the gun hanging over or lying inside the mold. | A catalyst leak in this situation would certainly damage the part, possibly the mold, and may cause a fire. |
| 3. Inspect resin and catalyst hoses daily for wear or stress at the entry and exits of the boom sections and at the hose and fittings. | Replace if wear or weakness is evident or suspected. |
| 4. Arrange the hoses and fiberglass roving guides so that the fiberglass strands DO NOT rub against any of the hoses at any point. | If allowed to rub, the hose will be cut through, causing a hazardous leakage of material which could increase the danger of fire. Also, the material may spew onto personnel in the area. |

Toxicity of Chemicals

- Magnum Venus Products recommends that you consult OSHA Sections 1910.94, 1910.106, 1910.107 and NFPA No.33, Chapter 14, and NFPA No.91.
- Contact your chemical supplier(s) and determine the toxicity of the various chemicals used as well as the best methods to prevent injury, irritation and danger to personnel.
- Also determine the best methods of first aid treatment for each chemical used in your plant.

Equipment Safety

Magnum Venus Products suggest that personal safety equipment such as EYE GOGGLES, GLOVES, EAR PROTECTION, and RESPIRATORS be worn when servicing or operating this equipment. Ear protection should be worn when operating a fiberglass chopper to protect against hearing loss since noise levels can be as high as 116 dB (decibels). This equipment should only be operated or serviced by technically trained personnel!

**CAUTION**

Never place fingers, hands, or any body part near or directly in front of the spray gun fluid tip. The force of the liquid as it exits the spray tip can cause serious injury by shooting liquid through the skin. NEVER LOOK DIRECTLY INTO THE GUN SPRAY TIP OR POINT THE GUN AT OR NEAR ANOTHER PERSON OR AN ANIMAL.

**DANGER**

Contaminated catalyst may cause fire or explosion. Before working on the catalyst pump or catalyst accumulator, wash hands and tools thoroughly. Be sure work area is free from dirt, grease, or resin. Clean catalyst system components with clean water daily.

**DANGER**

Eye, skin, and respiration hazard. The catalyst MEKP may cause blindness, skin irritation, or breathing difficulty. Keep hands away from face. Keep food and drink away from work area.

Treatment of Chemical Injuries

**CAUTION**

Refer to your catalyst manufacturer's safety information regarding the safe handling and storage of catalyst. Wear appropriate safety equipment as recommended.

Great care should be used in handling the chemicals (resins, catalyst and solvents) used in polyester systems. Such chemicals should be treated as if they hurt your skin and eyes and as if they are poison to your body. For this reason, Magnum Venus Products recommends the use of protective clothing and eye wear in using polyester systems. However, users should be prepared in the event of such an injury.

Precautions include:

1. Know precisely what chemicals you are using and obtain information from your chemical supplier on what to do in the event the chemical gets onto your skin or into the eyes, or if swallowed.
2. Keep this information together and easily available so that it may be used by those administering first aid or treating the injured person.
3. Be sure the information from your chemical supplier includes instructions on how to treat any toxic effects the chemicals have.

**WARNING**

Contact your doctor immediately in the event of an injury. If the product's MSDS includes first aid instructions, administer first aid immediately after contacting a doctor.

Fast treatment of the outer skin and eyes that contact chemicals generally includes immediate and thorough washing of the exposed skin and immediate and continuous flushing of the eyes with lots of clean water for at least 15 minutes or more. These general instructions of first aid treatment may be incorrect for some chemicals; you must know the chemicals and treatment before an accident occurs. Treatment for swallowing a chemical frequently depends upon the nature of the chemical.

Emergency Stop Procedure

In an emergency, follow these steps to stop a system:

1. The ball valve located where the air enters the power head of the resin pump, should be moved to the “OFF” or closed position.

Note ***The “open” or “on” position is when the ball valve handle is parallel (in line) with the ball valve body. The “closed” or “off” position is when the ball valve handle is perpendicular (across) the ball valve body.***

2. Turn all system regulators to the “OFF” position (counter-clockwise) position.
3. Verify / secure the catalyst relief line, located on the catalyst relief valve.
4. Verify / secure the resin return line, located on the resin filter.
5. Place a container under the resin pump ball valve to catch ejected resin.
6. Locate the ball valve on the resin pump.
7. Rotate the ball valve 90 degrees to the “On” or open position.

Grounding

Grounding an object means providing an adequate path for the flow of the electrical charge from the object to the ground. An adequate path is one that permits charge to flow from the object fast enough that it will not accumulate to the extent that a spark can be formed. It is not possible to define exactly what will be an adequate path under all conditions since it depends on many variables. In any event, the grounding means should have the lowest possible electrical resistance.

Grounding straps should be installed on all loose conductive objects in the spraying area. This includes material containers and equipment. Magnum Venus Products recommends grounding straps be made of AWG No.18 stranded wire as a minimum and the larger wire be used where possible. NFPA Bulletin No77 states that the electrical resistance of such a leakage path should be 1 meg ohm (10^6 ohms) or less.



CAUTION

Whenever flammable or combustible liquids are transferred from one container to another, or from one container to the equipment, both containers or container and equipment shall be effectively bonded and grounded to dissipate static electricity. For further information, see National Fire Protection Association (NFPA) 77, titled “Recommended Practice on Static Electrical”. Refer especially to section 7-7 titled “Spray Application of Flammable and Combustible Materials”.

Introduction

The MVP 1 to 1 Pro Gun is an air-trigger gun; meaning when an air signal is sent to the actuator, the actuator piston pushes on the actuator stem and rotates the gun block into the ON position. The gun works similarly to a dual ball valve, in that the valve rod rotates and the catalyst and resin holes line up with the ports in the gun block to allow material to flow. The actuator is an air cylinder, and as the piston moves back and forth, it rotates the valve rod 90 degrees to the ON position.

The 1 to 1 Pro Gun will not need to be completely disassembled for daily cleaning, however the entire gun should be disassembled and the O-rings and seals replaced every six months. The gun breaks down into four separate modules which can then be further disassembled into their individual parts. A special tool kit including a specially designed Pro Gun™ tool and a packing assembly tool is available to assist in performing maintenance and repair.

This manual provides information for the operation, maintenance, and simple repair of the MVP 1 to 1 Pro Gun. The following procedures are included:

- Step-by-step assembly and disassembly
- Troubleshooting



Please read this manual carefully and retain for future reference. Follow the steps in the order given, otherwise you may damage the equipment or injure yourself.

As you disassemble the equipment, lay out the components on a clean surface in the correct order and direction to assist in reassembly.

Gun Assemblies and Components

This manual covers the following Pro Gun assemblies:

- CPD-4000 1:1 Pro Gun Assembly - Spray
- CPD-4000-A Auto 1:1 Pro Gun Assembly
- PRTM-RG-1000-A Pro Innovator Automatic Recirculation Gun
- CPD-4000-A-INV Innovator Automatic Recirculation Gun
- CPD-5000 1:1 Pro Gun Assembly – Disposable Mixer
- CPD-5000-A Auto 1:1 Pro Gun Assembly – Disposable Mixer
- CPD-5000-SILO 1:1 Pro Gun Assembly – Silicone
- CPD-5000-SNZ 1:1 Pro Gun Assembly – Spatter Nozzle
- CPD-6000 1:1 Pro Gun Assembly – Disposable Mixer – Solvent/Air Purge
- CPD-6000-A Auto 1:1 Pro Gun Assembly – Disposable Mixer – Solvent/Air Purge
- CPD-6000-HO Pro Gun Assembly – Disposable Mixer – Solvent/Air Purge – High Output
- CPD-7000 1:1 Polyurea Gun Assembly
- CPD-8000 Pro Duo Gun Assembly

-
- CPD-8000-A Auto Pro Duo Gun Assembly
 - CPC-1200-A Pro Gun Actuator Assembly – Automatic
 - CPD-4100-A Auto 1:1 Pro Gun Block Assembly
 - CPD-5100 1:1 Pro Gun Block Assembly – Disposable Mixer
 - CPD-5100-A Auto 1:1 Pro Gun Block Assembly
 - CPD-5100-SILO Auto 1:1 Pro Gun Block Assembly – Silicone
 - CPD-5100-SNZ Auto 1:1 Pro Gun Block Assembly – Spatter Nozzle
 - CPD-5200-SILO Auto Pro Gun Actuator Assembly
 - CPD-6100 Auto 1:1 Pro Gun Block Assembly – Disposable Mixer
 - CPD-6300 Classic Pro Gun Handle – 1:1 Adhesive
 - CPD-7100 Pro Duo Gun Block Assembly
 - DPD-7200 Actuator Assembly – Pro Duo Gun
 - 58603-1 Classic Pro Gun Handle
 - 58604-1 Pro Gun Actuator Assembly
 - 58751-1 1:1 Pro Gun Block Assembly
 - 58761-1 1:1 Pro Gun Block Assembly – BPO
 - 58742-1 Automatic Flush Valve Assembly
 - 58742-1-INT Automatic Flush Valve Assembly – International
 - PRTM-RG-1100 Recirculation Gun Block
 - PRTM-RG-1200-A Actuator Assembly

Getting Started

Tools Needed

You will need the following to perform the maintenance detailed in this manual:

- Rubber mallet
- Thread sealant
- Adjustable wrench
- Needle-nose pliers
- Flat head screwdriver
- Lubriplate™ lubricant
- Scribe set
- Pro Gun oil
- Turbulent mixer puller

- Seal installation tool
- Alignment tool for resin seals
- Alignment tool for catalyst seals
- $\frac{5}{32}$ Hex wrench
- T15 TORX Bit
- Pro Gun screwdriver and packing bit

Note *CP-TOOLS-INT available from MVP contains the last 8 items on the list.*

Other Materials

You should also have appropriate cleaning materials available such as solvent, clean shop towels or rags, a small brush, and empty containers into which you can flush the gun.

You will need new O-rings and seals to replace the existing ones in the gun. Refer to the Parts Information to obtain proper part numbers for the O-rings and seals you are replacing.

Note *If you are using O-ring part number 01128 in the gun block, you only need to replace it when it is showing obvious signs of wear. This O-ring is specially designed to handle most solvents.*

Disconnecting from the Unit

Release System Pressure

1. Turn off air supply to the pumping system.
2. Release fluid pressure from lines by holding the gun over an appropriate waste container and pulling the trigger.
3. Flush the gun into an appropriate container.
4. Turn off air supply to the solvent tank.
5. Release any pressure in the flush tank by gently pulling the ring attached to the pressure relief valve.
6. Disconnect the air line from the rear of the gun handle.
7. Place an empty container under the ball valve located at the bottom of the filter assembly.
8. **Slowly** open the ball valve.

Note *You can leave the valve open or close it once all the pressure has been released.*

Disassembling the Gun



WARNING

To prevent injury, be sure all air is disconnected from the gun and that all pressure has been relieved before attempting to remove the trigger guard. The bolt that secures the trigger guard to the air cylinder also serves as a plug for the end cap. Removing this bolt without relieving air pressure can result in injury.

1. Check to make sure all air is disconnected from the gun.
2. Check to make sure all pressure is relieved from the gun.
3. Disconnect the trigger guard by using a wrench to remove the nut securing the top of the trigger guard to the end cap on the gun's actuating cylinder.

Note ***The automatic versions of the Pro Gun do not have a handle. Instead they have a mounting plate attached to the bottom of the actuator.***

Disassemble into Modules

4. If your Pro Gun is not used for chopping, skip to step [7](#).
5. Detach the chopper assembly by removing the air tube that connects the chopper to the gun handle.
6. Remove the hex cap screw securing the chopper to the top of the gun block.

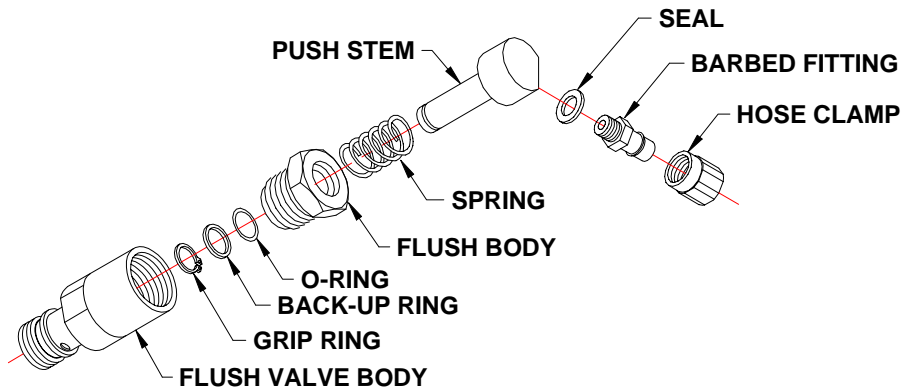
Note ***Be careful not to lose the eccentric stud in the chopper mount.***

7. Remove the four screws that secure the gun block to the actuator.
8. Set the gun block aside for now.
9. Remove the two mounting screws that secure the handle to the actuator.

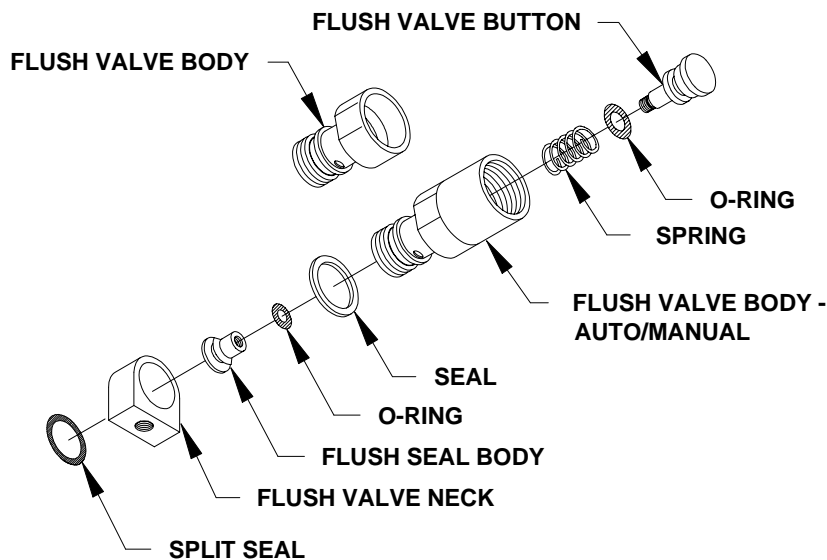
Disassemble Gun Block

Remove and Disassemble Flush Valve Assembly

10. Unscrew the flush valve body from the gun block
11. Remove the split seal from the flush valve body.
12. Remove the flush valve body from the flush valve neck.
13. Remove the flush valve seal from the flush valve body.



14. If your gun does not have an auto/manual flush assembly, skip to step [18](#).
15. Unscrew the auto/manual flush body assembly from the flush body.
16. Remove the grip ring from the push stem of the auto/manual flush body assembly, being careful not to lose the spring in the flush body.
17. Remove the back-up ring and O-ring from the push stem.
18. Unscrew the flush seal body from the flush valve button.
19. Remove the spring.
20. Use a scribe to remove the O-ring from the flush valve button.
21. Remove the O-ring from the flush seal body.



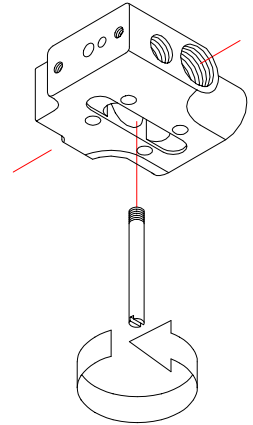
22. Set parts aside.
23. Discard and replace the flush valve's O-rings and seals.

Note ***The flush button O-ring (O-E-008) can be replaced by the O-K-008 O-ring designed for use with all solvents.***

Remove Actuating Stem

24. Unscrew the actuating stem from the valve rod.
25. Tightly clamp the actuating stem into a soft-jawed vise and rotate the whole gun block.

Note ***Do not use the screwdriver slot in the end of the actuating stem for removal. If it becomes damaged the stem will no longer fit into the actuator bushing. Make sure the stem is smooth or it will wear out the actuator bushing.***



Remove Mix Housing

26. Remove the nozzle cap or mixer assembly from the mix housing.
27. If you have a mixer, use the turbulent mixer puller to remove the turbulent mixer by inserting the puller and giving a slight twist.
28. Remove the plugs and seals from the mix housing.
29. Remove the springs and balls from the mix housing.
30. Remove the four screws from the mix housing and remove the mix housing from the gun block.
31. Remove the face seals and clean the mix housing.

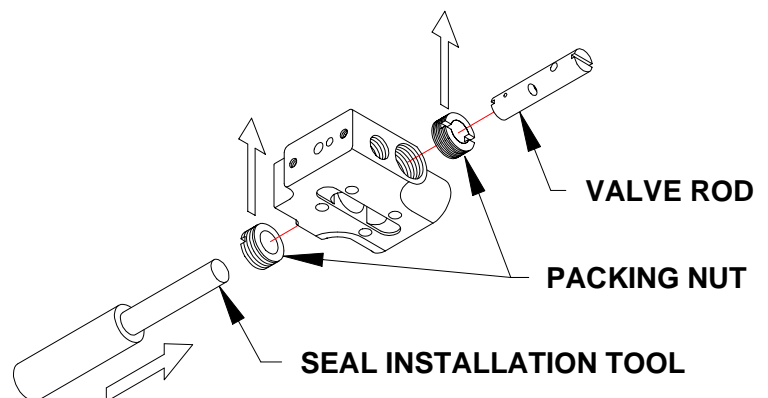
Note ***Putty systems using BPO do not use a spring and ball on the putty side of the gun block.***

Remove Hose Fittings

32. Remove and clean the hose fitting on the rear of the gun block.
33. Remove the O-ring from the rear of the gun block.

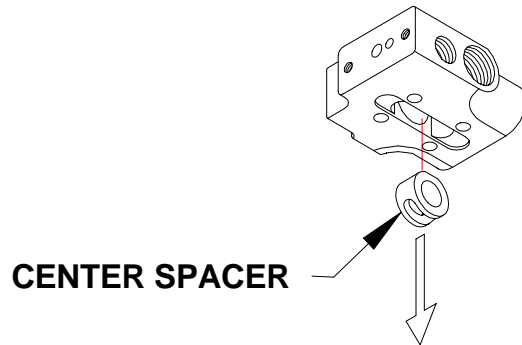
Remove the Valve Rod

34. Remove the actuating stem from the valve rod.
35. Remove the two packing nuts located on each side of the gun block.
36. Clean the packing nut threads.



Remove Center Spacer

37. Use needle-nose pliers to remove the center spacer.



Remove Seals

38. Insert the seal installation tool into one of the side ports and gently tap it completely through the gun block with a rubber hammer or mallet.

As the tool is tapped through the interior of the gun block it removes the seal sets for both the resin and catalyst seals.

39. Remove the relief spacer and secondary seal from the seal installation tool.

40. Clean with solvent.



DANGER

Contaminated catalyst may cause fire or explosion. Keep the components of the catalyst side separate from the components of the resin side to avoid cross-contamination.

41. Clean the two relief spacers with solvent and allow to air dry.

42. Discard the seals and replace with new ones from the repair kit.

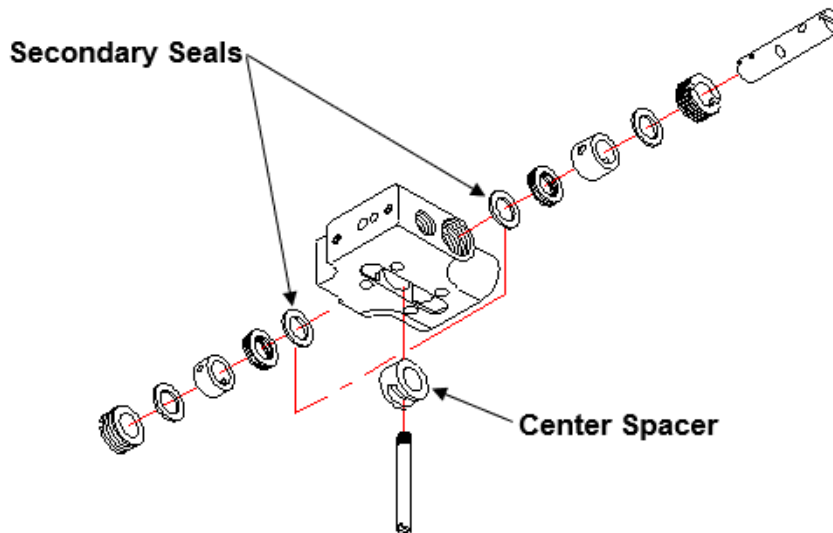
Reassembling Gun Block

Clean Gun Block

1. Discard O-rings and seals.
2. Clean remaining components with solvent and allow to air dry.

Install Secondary Seals

3. Place one of the secondary seals into the center of the gun block where the center spacer goes.
4. Gently push the secondary seal into position with something flat, flush with the gun block, using caution not to damage the seal.
5. Repeat steps [3](#) - [4](#) for the other secondary seal.



6. Place the center spacer in the gun block, making sure it is aligned as accurately as possible with the slot facing up.

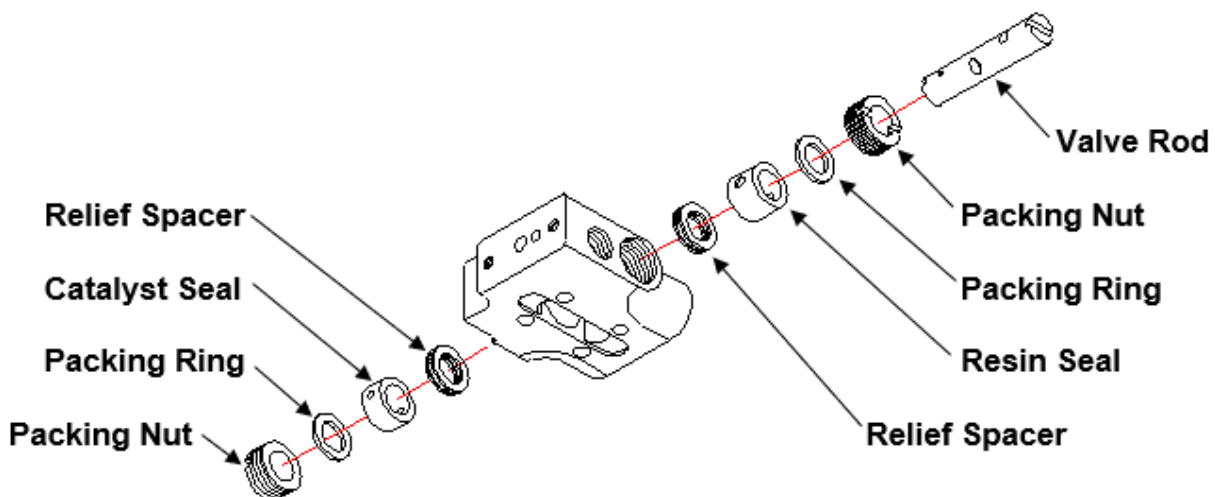
Note *Use caution not to damage the secondary seals previously installed.*

Reassemble Seal Components

7. Place the following components onto the seal installation tool in the following order:

- Packing ring
- Catalyst seal
- Relief spacer

Note *The hole in the catalyst seal should be aligned with the port in the gun block before inserting the seal installation tool into the gun block.*



8. Insert the seal installation tool with the components on it into the side of the gun block.

9. Press firmly (or tap with a rubber mallet), then pull the packing tool out of the gun block.
10. The components should be seated in the interior of the gun block against the e center spacer.
11. Gently screw a packing nut into the catalyst side, but do not tighten.
12. Repeat steps [7](#) - [11](#) for the other side of the gun block.

Align Seals

13. Hold the seal alignment tool (tapered drill bit) firmly with a pair of pliers.
14. Insert the seal alignment tool tapered end first into the gun block through the rear.
15. Gently press and move the alignment tool around until the holes in the seal align with the port in the gun block.

Note ***At this point, the packing nut should only be hand tight.***

16. Repeat steps [13](#) - [15](#) for the other set of seals.

Install Valve Rod and Actuating Stem

17. Insert the valve rod into the gun block using the seal installation tool to center.

Note ***Make sure the valve rod is correctly aligned. The larger hole goes on the resin side and the smaller hole goes on the catalyst side. The middle hole, into which the actuating stem will be inserted, must also be correctly aligned. One end of the middle hole has a relief that should face out of the gun block.***

18. Screw the actuating stem into the valve rod through the center spacer.

Note ***Make sure the actuating stem is screwed into the side of the valve rod with the larger hole (thread relief).***

19. Look down the front of the gun while moving the actuating stem back and forth and observe the holes opening and closing.
20. Set the actuating stem so that the holes are closed.

Tighten Packing Nuts

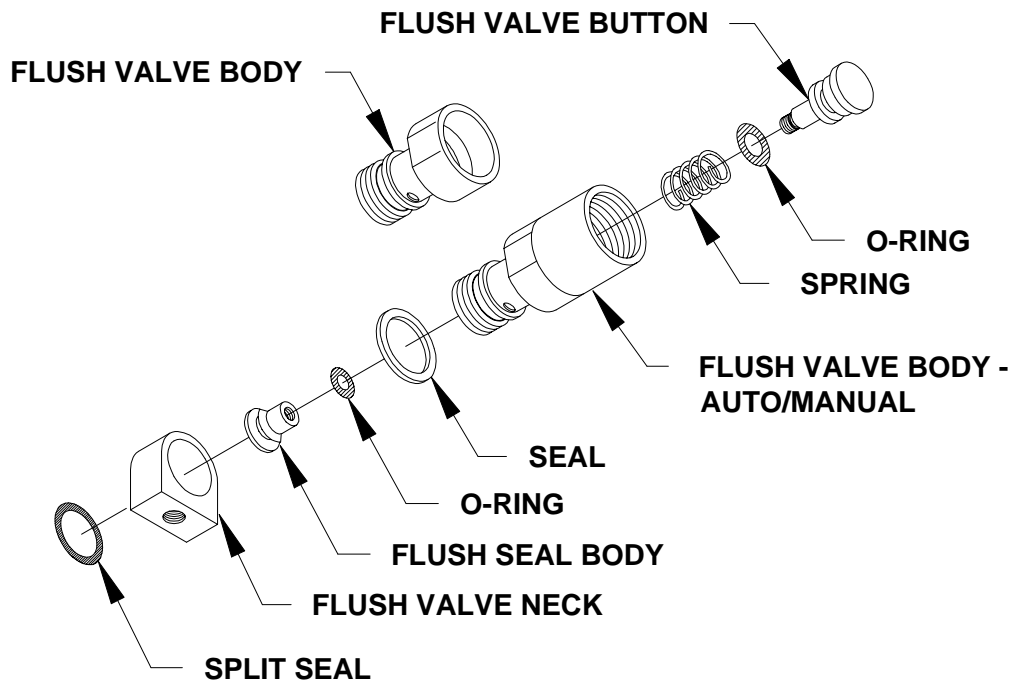
21. Tighten both packing nuts, being careful not to damage the packing bit.
22. Move the actuating stem back and forth, opening and closing the gun.
23. Retighten both packing nuts.
24. Repeat steps [21](#) - [23](#) one more time.

Reinstall Fittings and Valves

25. Reinstall the fitting and O-ring on the rear of the gun block in both locations.

Reassemble Flush Valve

26. Place the O-ring on the flush valve button.



27. Insert the spring onto the flush valve button.

28. Push the button and spring into the flush valve body.

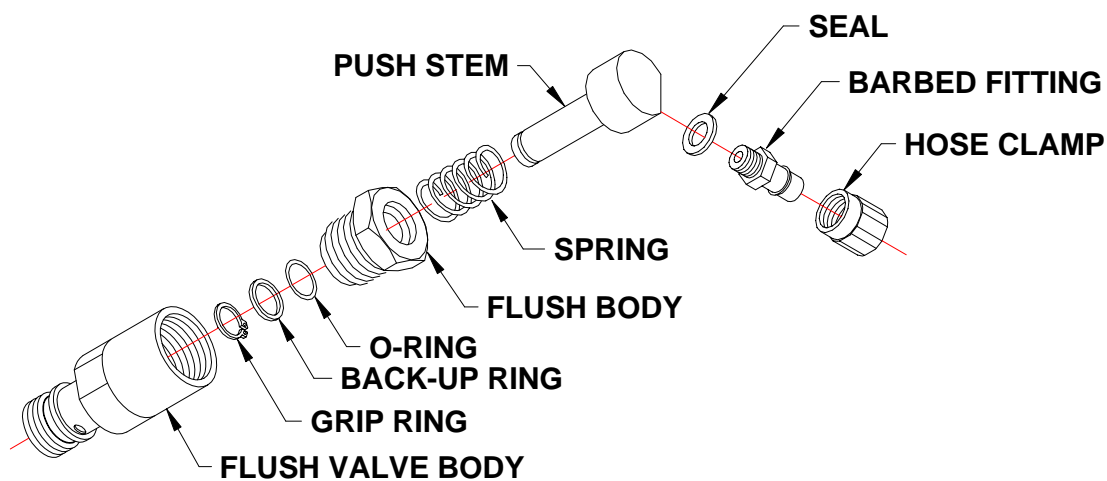
29. Place the O-ring on the flush seal body.

30. Insert a flush seal body into the end of the flush valve body and screw it onto the button.

31. Place a flush valve seal on the flush valve body.

32. Install the flush valve body into the flush valve neck.

33. Install the split seal onto the flush valve body.



34. If your system does not have auto/manual flush, skip to step [40](#).

35. Install the spring and push stem into the flush body.

36. Install a new O-ring onto the end of the push stem sticking out of the flush body.
37. Install the back-up O-ring onto the end of the push stem against the new O-ring.
38. Install the grip ring onto the end of the push stem.
39. Thread the auto/manual flush body assembly into the flush valve body.
40. Screw the flush valve assembly into the front side port of the gun block.

Note ***There are several variations on the flush valve assembly, including air/solvent purge and high-pressure flush. Check the drawing for your gun to determine the correct valve assembly for your gun.***

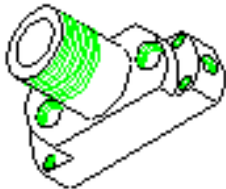
Assemble Mix Housing

41. Install the new face seals into the front of the gun block.
42. Mount the mix chamber to the gun block using the four cap screws.

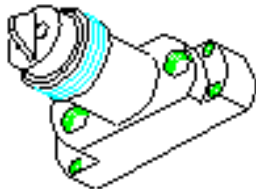
Note ***The hardener side of the mix chamber is marked with an H. Mount the mix chamber so that the hardener side is on the right side of the gun.***

43. Install the proper restrictor through the side port on the hardener side of the gun block.
44. Using a new seal, install the plug/screw into the side of the mix chamber.
45. Install the ball and spring into the front ports of the mix chamber.
46. Using a new plug seal, install the plug into the front of the mix chamber on top of the spring.

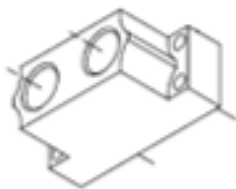
Mix Housing Options



- Mix Housing (58692-1) – Use with all turbulent mixers and most applications.



- Mix Housing (DUO-4101) – Use with disposable mixer assemblies (07550 3/8 ID Disposable mixer or 07551 1/4 ID Disposable mixer) for Pour or Spatter applications.



- Ratio Housing (DUO-4201) – Use to separate the two streams (Catalyst & Resin) – Check ratios & recirculation.

Rebuilding Actuator

Disassemble Actuator

1. Remove the two O-rings from the underside of the cylinder body.
2. Unscrew the cylinder caps from each end of the cylinder body.
3. Remove the O-ring from each of the cylinder caps.
4. Remove the actuating piston by pushing it out the back end of the cylinder body with a blunt tool.
5. Remove the actuating bushing from the piston.
6. Use a scribe to remove the O-ring from the actuating piston, using care to avoid damaging the actuating piston.

Note ***Replace O-rings each time the gun is disassembled.***

7. Discard the used O-rings.
8. Clean the cylinder assembly components with solvent and allow to air dry.

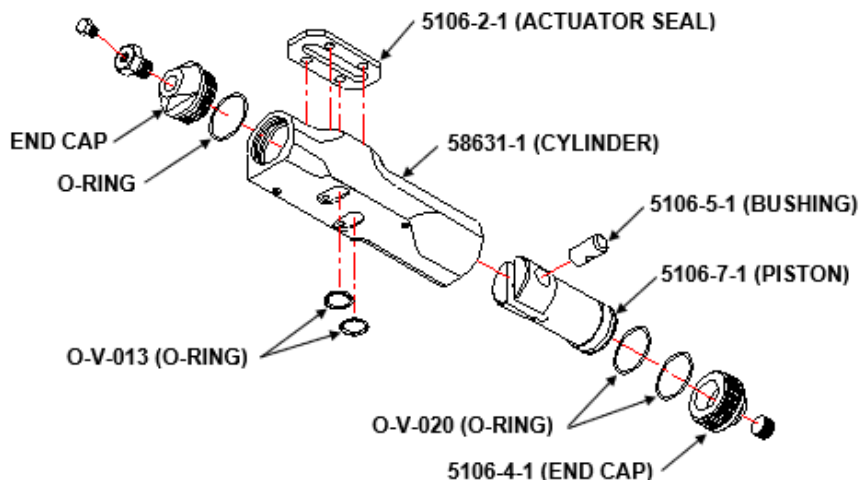
Note ***Do not soak actuating piston or cylinder caps in solvent; they will swell.***

Assemble Actuator Cylinder

9. Place a new O-ring onto the actuating piston.
10. Insert the actuating bushing into the actuating piston.

Note ***The hole in the actuating bushing must be facing up so the bushing hole can receive the actuating stem when the gun block is assembled.***

11. Use MVP Pro Gun Oil to lubricate the interior of the cylinder body and the actuating piston.
12. Insert the actuating piston into the cylinder body.



Note ***Install the actuating piston into the cylinder so that the bushing is on the high side of the piston centerline. Use caution not to damage the O-ring on the piston while installing into the cylinder body.***

13. Place new O-rings in the grooves on the underside of the cylinder body.
14. Install a new O-ring on each of the cylinder caps.
15. Reinstall the two cylinder caps onto the cylinder body.

Rebuilding Gun Handle

1. If you are using the automatic Pro Gun, attach the mounting plate to the bottom of the actuator and skip to

Note ***The fitting on the side of the gun handle differs depending on the gun assembly you have. When ordering replacement parts, make sure you reference the correct parts drawing.***

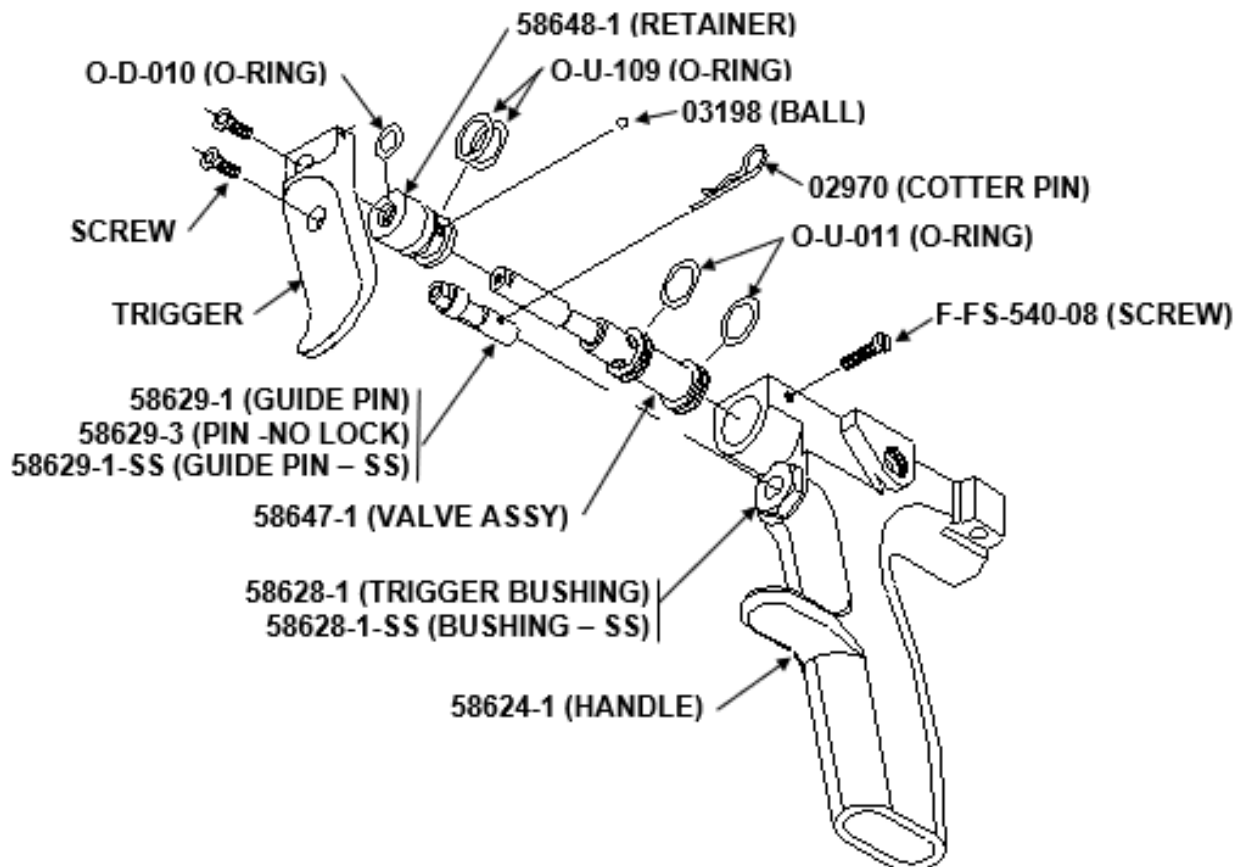
Remove Trigger Assembly

2. Remove trigger locking hairpin.
3. Remove the fillister-head screw on the side of the gun head.
4. Pull the trigger retainer and spool assembly from the gun handle interior.

Disassemble Trigger Retainer

Note ***If your gun handle has the conversion upgrade, make sure you note the proper part numbers when ordering replacement parts.***

5. Remove the upper screw from the trigger.
6. Pull the trigger retainer off the spool assembly.
7. Remove the O-ring from inside the trigger retainer.



8. Remove the balls in the trigger retainer by inserting a small scribe between the two O-rings and into each side of the retainer.

Note *Be careful not to drop the chrome balls located inside the trigger retainer. If your gun is used for gel coating, these balls will not be included.*

9. Remove the two O-rings on the trigger retainer.

10. Remove the two O-rings on the spool assembly.

Note *The spool assembly does not disassemble.*

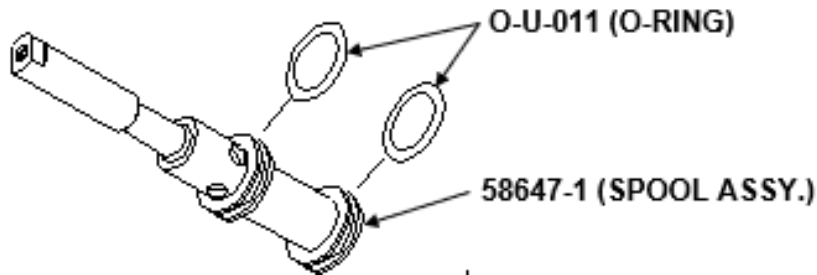
11. Discard the used seals and O-rings and clean the remaining parts in solvent.

Assemble Gun Handle

Note *Refer to the drawing for your gun in the Parts Information section to obtain the correct parts numbers when reassembling.*

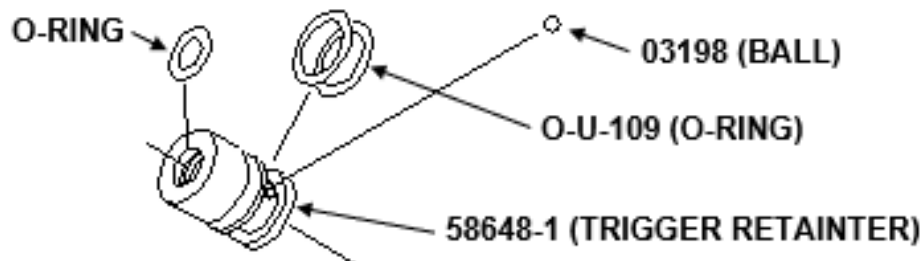
Replace O-rings and Seals

12. Discard used O-rings and seals and obtain new ones.
13. Reinstall the two O-rings on the spool assembly.
14. Lubricate the O-rings with Pro Gun oil.



Reassemble Trigger Retainer

15. Place two O-rings in the external groove on the trigger retainer.



16. If you are spraying gelcoat or wetout and do not want to install a detent (stop) in the gun trigger for the two-stage trigger used for spraying catalyzed resin and/or chopped fiberglass, skip to step [20](#).
17. To prevent the steel balls from falling through the trigger retainer, temporarily insert the tip of the spool assembly into the trigger retainer.
18. Place a drop of Pro Gun oil into the trigger retainer to help secure the balls.
19. Insert the balls into the trigger retainer using a scribe to position into the detents in the trigger retainer.
20. Insert the O-ring into the internal groove of the trigger retainer.

Note ***Use the top of the spool assembly in the trigger retainer to prevent the O-ring from falling through the retainer.***

21. Remove the tip of the spool assembly from the trigger retainer and reinsert the spool assembly into the correct end of the trigger retainer, rotating the shaft ¼ turn as you push it in.
22. Grease the end of the spool assembly with Pro Gun oil.
23. Screw the spool assembly to the trigger using TORX screw.
24. Thoroughly lubricate the spool assembly and trigger retainer with MVP gun oil.

Attach Trigger Assembly to Handle

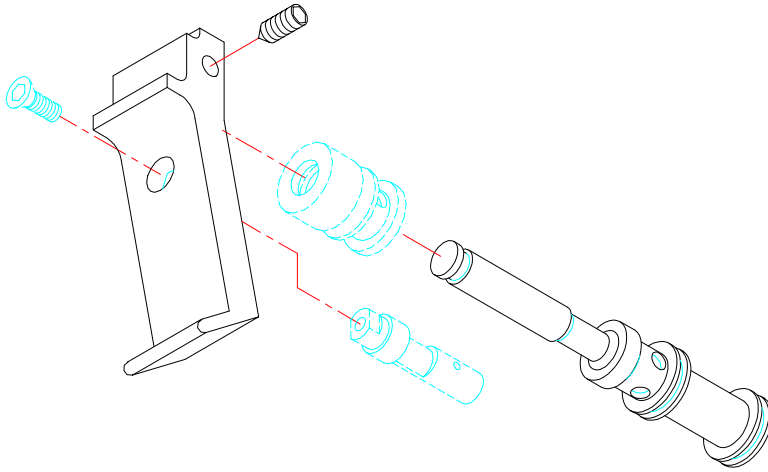
25. Insert the trigger assembly into the gun handle and secure with the fillister-head screw on the side of the handle.

Note ***Be sure the front of the trigger retainer assembly is flush with the gun handle before installing screw.***

26. Install trigger hairpin as safety lock.

Optional Trigger and Spool Assembly

The conversion kit offers an alternative to the standard trigger and spool assemblies. The updated trigger is used in conjunction with the spool to provide a more durable design and eliminates the need for one of the screws in the end of the trigger.



Install Elbow

27. Install the pipe seal and elbow on the handle by screwing it in by hand.
28. Use a wrench to tighten the pipe seal.

Reassembling Gun

Note *If this is an automatic gun, you will have a mounting pad in place of the handle.*

1. Align and install the actuator seal onto the actuator body.
2. Use the two mounting screws to secure the handle assembly or the mounting pad to the actuator assembly.

Note *The hole in the actuating bushing must be facing up so that the bushing hole can receive the actuating stem of the gun block.*

3. Using the four mounting screws, secure the gun block to the actuator.

Note *The actuating stem must be in the hole of the actuator bushing. If you are unsure, remove the front endcap of the actuator and look.*

4. If your gun is used for chopping, install the hex cap screw to secure the chopper to the front of the gun block and attach the air tube that connects the chopper to the gun handle.

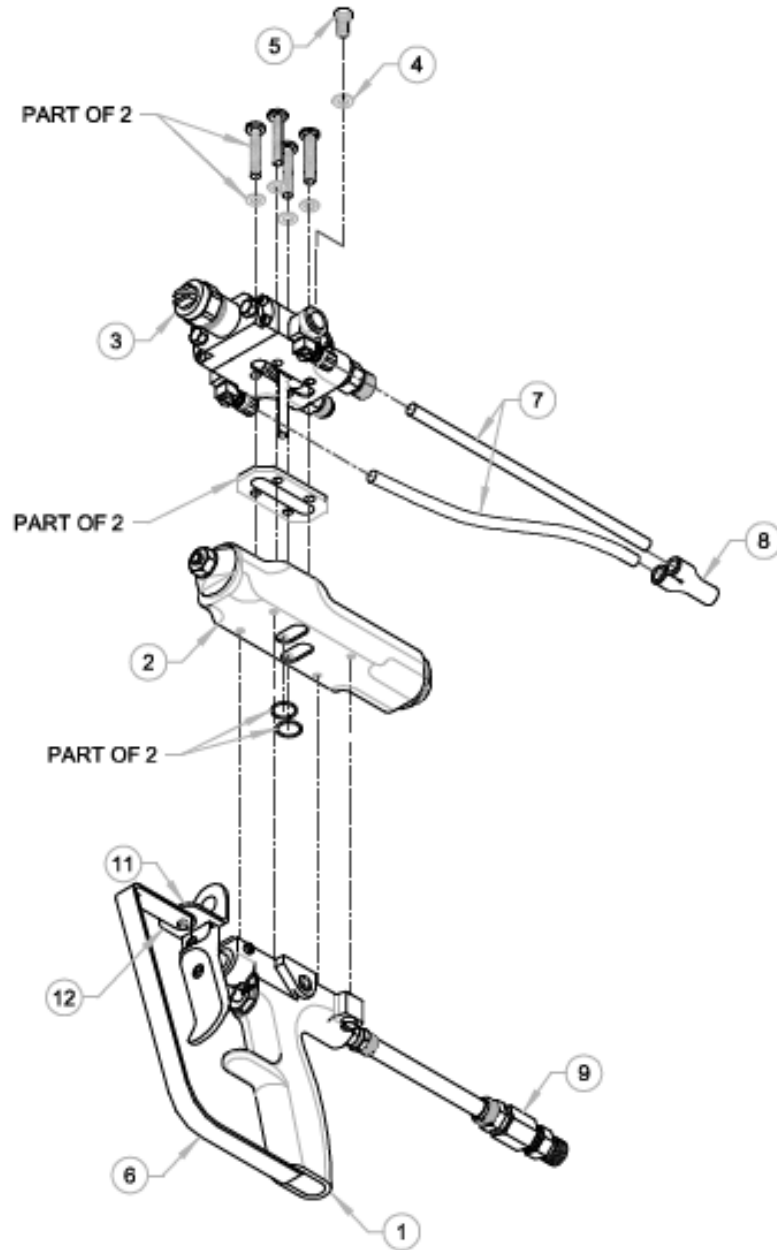
Note *Be sure to install the eccentric stud in the chopper mount.*

Parts Information

The following drawings are included to show the full assemblies for the various configurations of guns:

Parts Drawings	
Part Number	Description
CPD-4000	1:1 Pro Gun Assembly – Spray
CPD-4000-A	Auto 1:1 Pro Gun Assembly
PRTM-RG-1000-A	Pro Innovator Recirculation Gun
CPD-4000-A-INV	Innovator Automatic Recirculation Gun
CPD-5000	1:1 Pro Gun Assembly – Disposable Mixer
CPD-5000-A	Auto 1:1 Pro Gun Assembly – Disposable Mixer
CPD-5000-SILO	1:1 Pro Gun Assembly – Silicone
CPD-5000-SNZ	1:1 Pro Gun Assembly – Spatter Nozzle
CPD-6000	1:1 Pro Gun Assembly – Disposable Mixer – Solvent/Air Purge
CPD-6000-A	Auto 1:1 Pro Gun Assembly – Disposable Mixer – Solvent/Air Purge
CPD-6000-HO	Pro Duo Gun – High Output
CPD-7000	1:1 Polyurea Gun Assembly
CPD-8000	Pro Duo Gun Assembly
CPD-8000-A	Auto Pro Duo Gun Assembly
CPC-1200-A	Pro Gun Actuator Assembly - Automatic
CPD-4100-A	Auto 1:1 Pro Gun Block Assembly
CPD-5100	1:1 Pro Gun Block Assembly – Disposable Mixer
CPD-5100-A	Auto 1:1 Pro Gun Block Assembly
CPD-5100-SILO	Auto 1:1 Pro Gun Block Assembly – Silicone
CPD-5100-SNZ	Auto 1:1 Pro Gun Block Assembly – Spatter Nozzle
CPD-5200-SILO	Auto Pro Gun Actuator Assembly
CPD-6100	Auto 1:1 Pro Gun Block Assembly – Disposable Mixer
CPD-6300	Classic Pro Gun Handle – 1:1 Adhesive
CPD-7100	Pro Duo Gun Block Assembly
CPD-7200	Actuator Assembly – Pro Duo Gun
58603-1	Classic Pro Gun Handle
58604-1	Pro Gun Actuator Assembly
58751-1	1:1 Pro Gun Block Assembly
58761-1	1:1 Pro Gun Block Assembly – BPO
58742-1	Automatic Flush Valve Assembly
58742-1-INT	Automatic Flush Valve Assembly – International
PRTM-RG-1100	Recirculation Gun Block
PRTM-RG-1200-A	Actuator Assembly
CPD-4000-A-RK	Repair Kit Auto 1:1 Pro Gun Assembly
CPD-4000-A-INV-RK	Repair Kit Auto 1:1 Pro Gun Assembly – Innovator
CPD-4000-RK	Repair Kit 1:1 Pro Gun Assembly

Parts Drawings	
Part Number	Description
CPD-5000-A-RK	Repair Kit Auto 1:1 Pro Gun Assembly
CPD-5000-RK	Repair Kit 1:1 Pro Gun Assembly
CPD-5000-SILO-RK	Repair Kit 1:1 Pro Gun Assembly
CPD-5000-SNZ-RK	Repair Kit 1:1 Pro Gun Assembly
CPD-6000-A-RK	Repair Kit Auto 1:1 Pro Gun Assembly
CPD-6000-HO-RK	Repair Kit Pro Duo Gun – High Output
CPD-6000-RK	Repair Kit 1:1 Pro Gun Assembly
CPD-8000-A-RK	Repair Kit – Auto Pro Duo Gun
CPD-8000-RK	Repair Kit – Pro Duo Gun
58744-1	Repair Kit 1:1 Pro Gun Block Assembly
58744-1-INT	Repair Kit 1:1 Pro Gun Block Assembly - International



MAGNUM VENUS PRODUCTS

Pro Duo 1:1 Gun Assembly

CPD-4000

REV. A - ITEM 6 WAS 58676-1, MOVED TO OPTIONAL ASSEMBLIES, ADDED ITEMS 11 AND 12 07/12/08 BT2

REV. B - ADDED REPAIR KIT 05/14/07 BT2

REV. C - ITEM WAS 58603-1, ITEM 9 WAS 6506-0.5-1, DELETED ITEM 10 PF-AP-02 04/06/18 BT2

Auto Pro Gun Assembly CPD-4000

PARTS LIST

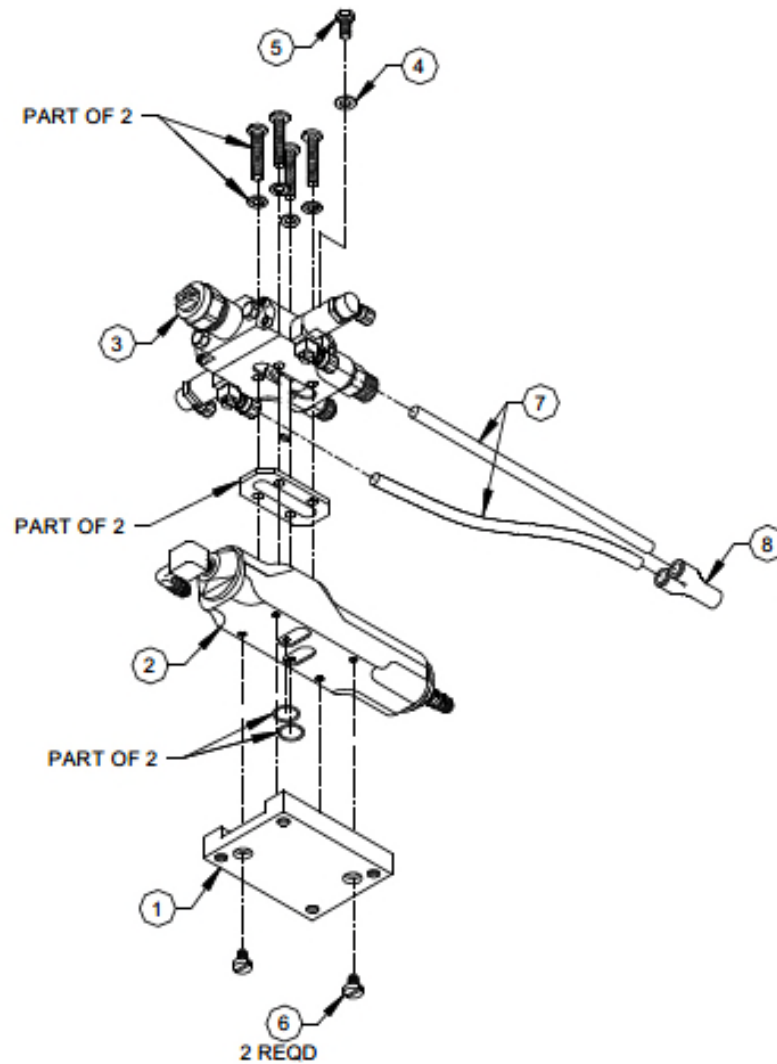
ITEM	PART NO.	QTY	DESCRIPTION
1	58603-3	1	GUN HANDLE
2	58604-1	1	ACTUATOR ASSEMBLY
3	58751-1	1	GUN BLOCK ASSEMBLY
4	F-SW-04	1	LOCK WASHER
5	F-HB-04C-08	1	HEX BOLT
6	58670-1	1	TRIGGER GUARD
7	01443	2 FT.	2 - 1 FT. TUBE SECTIONS
8	06946	1	Y CONNECTOR
9	6504-1-0.5	1	POLY AIR WHIP ASSEMBLY
11	02806-2	1	SCREW
12	58671-1	1	DRIP SHIELD

REPAIR KITS

PART NO.	DESCRIPTION
CPD-4000-RK	MAJOR REPAIR KIT

OPTIONAL PARTS AND ASSEMBLIES

PART NO.	DESCRIPTION
58676-1	TRIGGER GUARD ASSEMBLY



MAGNUM VENUS PRODUCTS

Automatic Pro Duo 1:1 Gun Assembly

CPD-4000-A

REV. - 04/07/06 BT2
 REV. A - ITEM 3 WAS DUO-4100-A 06-02-06 BT2
 REV. B - ADDED REPAIR KIT 05-14-07 BT2

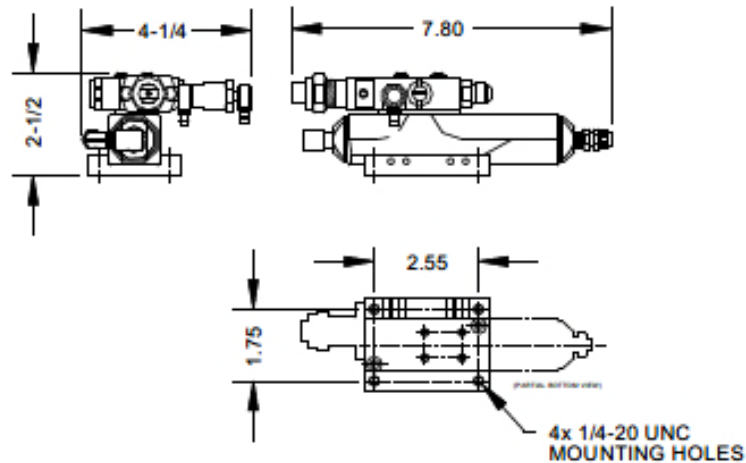
Auto Pro Gun Assembly CPD-4000-A

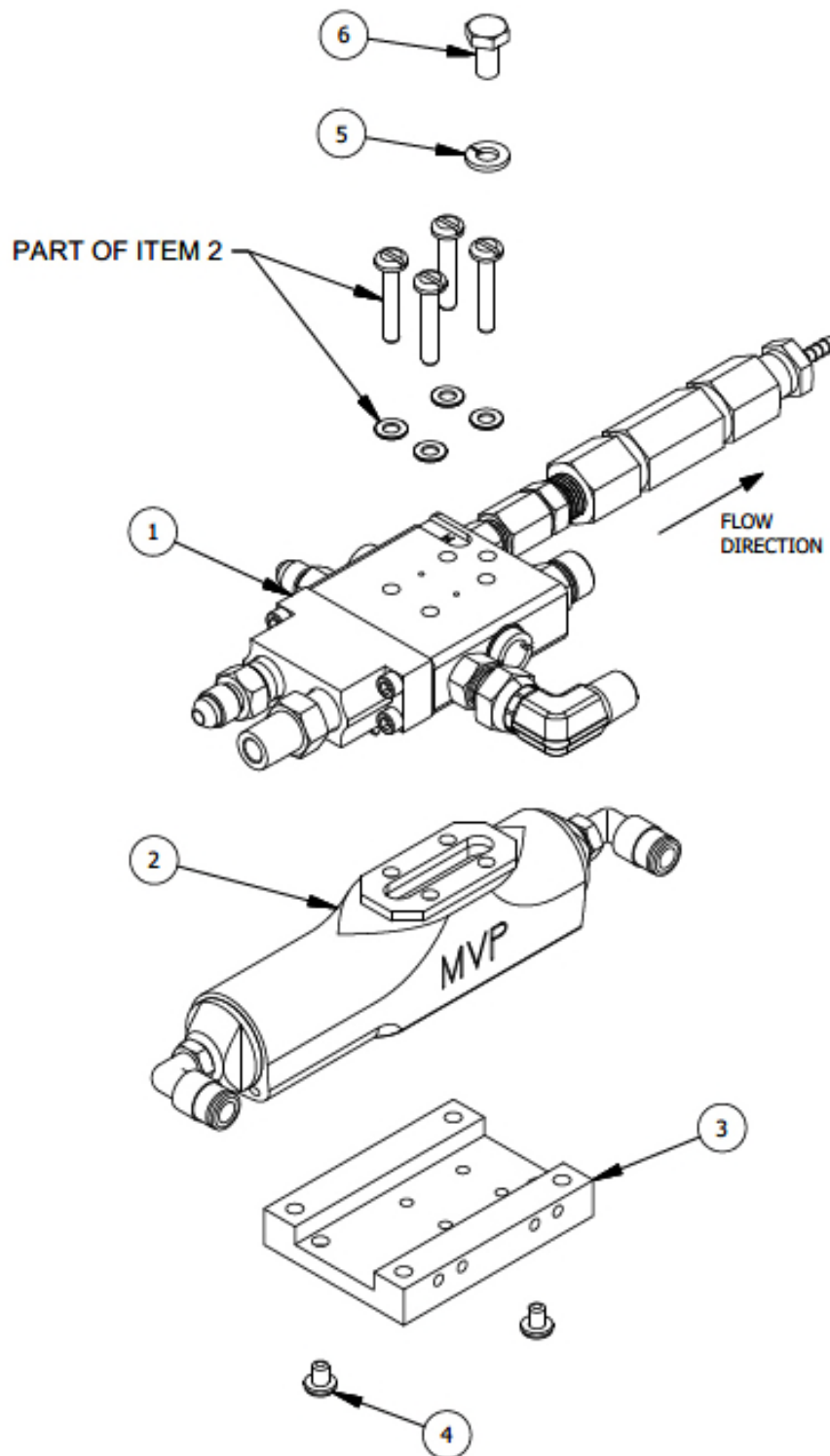
PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	58704-1	1	MOUNTING PAD - PRO GUN
2	CPC-1200-A	1	ACTUATOR ASSEMBLY
3	CPD-4100-A	1	GUN BLOCK ASSEMBLY
4	F-SW-04	1	LOCK WASHER
5	F-HB-04C-08	1	HEX BOLT
6	02806-2	2	PAN HEAD SCREW
7	01443	2 FT.	2 - 1 FT. TUBE SECTIONS
8	06946	1	Y CONNECTOR

REPAIR KITS

PART NO.	DESCRIPTION
CPD-4000-A-RK	MAJOR REPAIR KIT





MAGNUM VENUS PRODUCTS

RECIRCULATION GUN

PRTM-RG-1000-A

REV:D 03/23/2016

SHEET 1 / 2

8/11/2009

Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	PRTM-RG-1100	1	RECIRCULATION GUN BLOCK
2	PRTM-RG-1200-A	1	ACTUATOR ASSEMBLY
3	58704-1	1	MOUNTING PAD
4	02806-2	2	10-24 PAN HEAD SCREW
5	F-SW-04	1	LOCK WASHER
6	F-HB-04C-08	1	HEX BOLT

REPAIR KIT

PART No.	DESCRIPTION
CPD-4000-A-INV-RK	REPAIR KIT

MAGNUM VENUS PRODUCTS

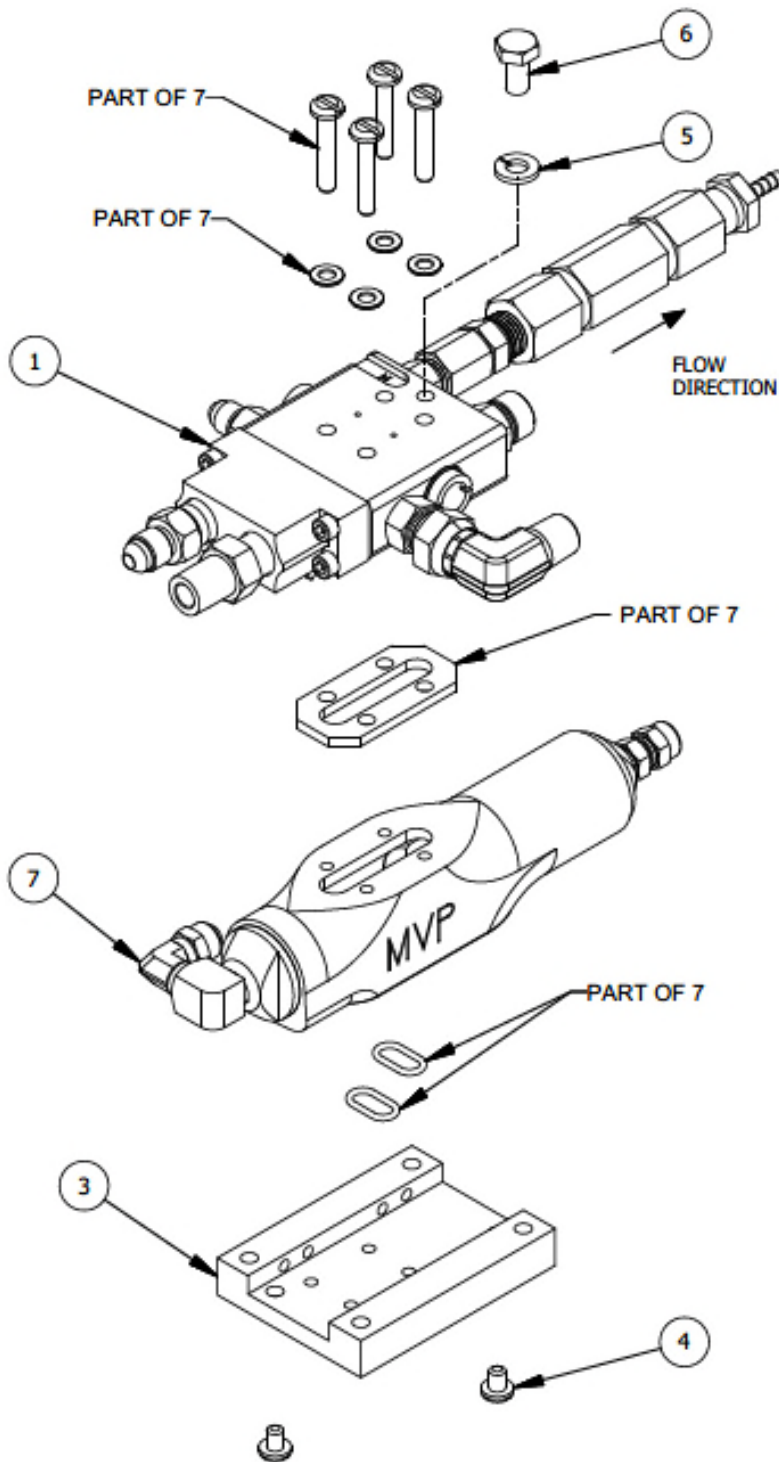
RECIRCULATION GUN

PRTM-RG-1000-A

REV:D 03/23/2016

SHEET 2 / 2

8/11/2009



MAGNUM VENUS PLASTECH

INNOVATOR AUTOMATIC RECIRCULATION GUN

CPD-4000-A-INV

REV:B 06/16/16

SHEET 1 / 2

1/12/2010

Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	PRTM-RG-1100	1	RECIRCULATION GUN BLOCK
3	58704-1	1	MOUNTING PAD
4	02806-2	2	10-24 PAN HEAD SCREW
5	F-SW-04	1	LOCK WASHER
6	F-HB-04C-08	1	HEX BOLT
7	CPC-1200-A	1	ACTUATOR ASSEMBLY

REPAIR KITS

PART No.	DESCRIPTION
CPD-4000-A-INV-RK	REPAIR KIT

MAGNUM VENUS PLASTECH

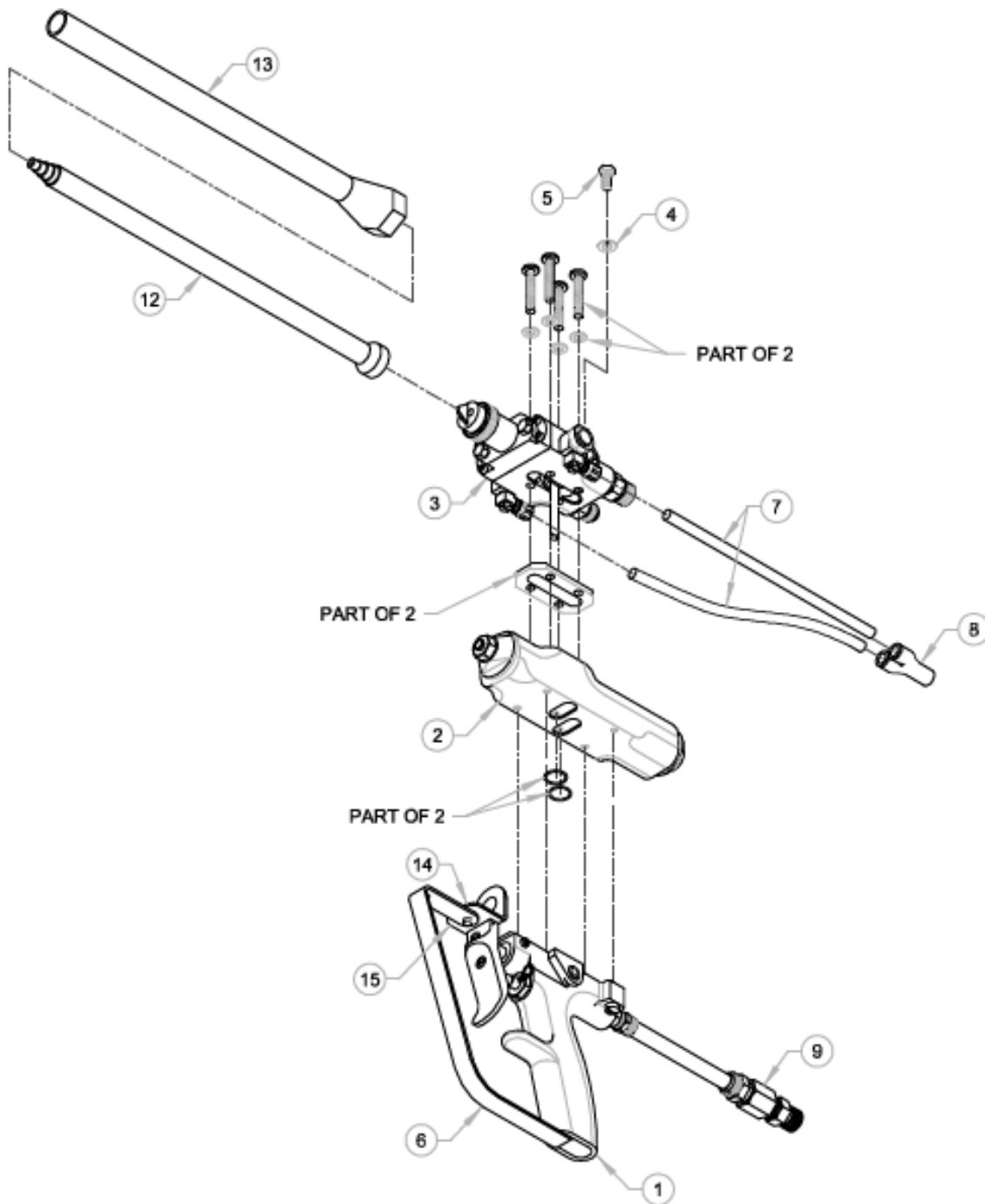
INNOVATOR AUTOMATIC RECIRCULATION GUN

CPD-4000-A-INV

REV:B 06/16/16

SHEET 2 / 2

1/12/2010



MAGNUM VENUS PRODUCTS

Pro Duo 1:1 Gun With Mixer

CPD-5000

REV. A - ITEM 6 WAS 58676-1, MOVED TO OPTIONAL ASSEMBLIES, ADDED ITEM 14 AND 15 07/12/06 BT2
 REV. B - DELETED ITEM 11 07552, ADDED REPAIR KIT 05/10/07 BT2
 REV. C - ITEM 1 WAS 58603-1, ITEM 9 WAS 6506-1-0.5, DELETED ITEM 10 04/06/18 BT2

Pro Duo Gun Assembly CPD-5000

PARTS LIST

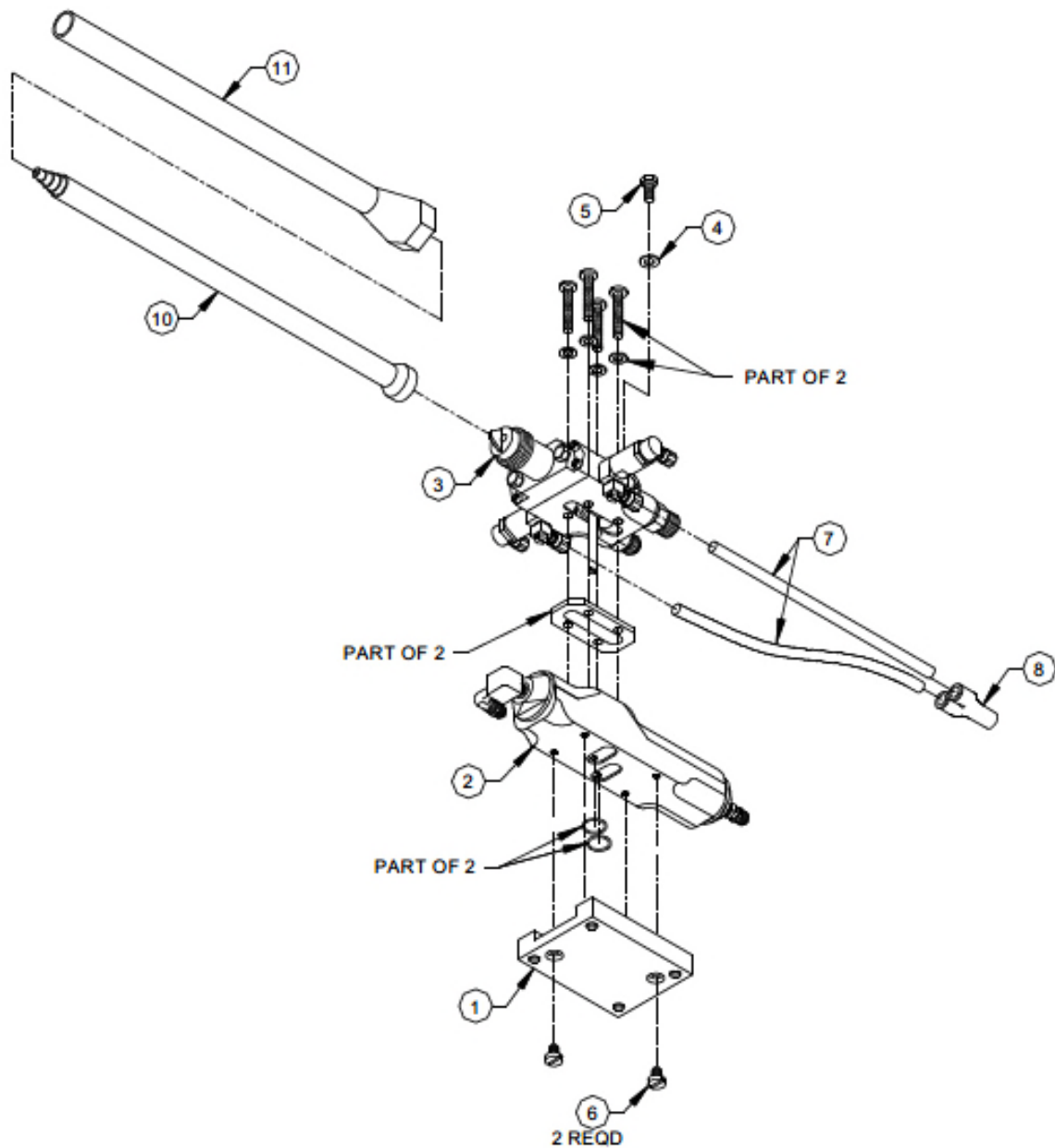
ITEM	PART NO.	QTY	DESCRIPTION
1	58603-3	1	GUN HANDLE
2	58604-1	1	ACTUATOR ASSEMBLY
3	CPD-5100	1	GUN BLOCK ASSEMBLY
4	F-SW-04	1	LOCK WASHER
5	F-HB-04C-08	1	HEX BOLT
6	58670-1	1	TRIGGER GUARD
7	01443	2 FT.	2 - 1 FT. TUBE SECTIONS
8	06946	1	Y CONNECTOR
9	6504-1-0.5	1	POLY AIR WHIP ASSEMBLY
12	07550	1	DISPOSABLE MIXER
13	04409	1	MIXER HOUSING
14	02806-2	1	SCREW
15	58671-1	1	DRIP SHIELD

REPAIR KITS

PART NO.	DESCRIPTION
CPD-5000-RK	MAJOR REPAIR KIT

OPTIONAL PARTS AND ASSEMBLIES

PART NO.	DESCRIPTION
58676-1	TRIGGER GUARD ASSEMBLY



MAGNUM VENUS PRODUCTS

Automatic Pro Duo 1:1 Gun Assembly

CPD-5000-A

REV. - 05/11/06 BT2

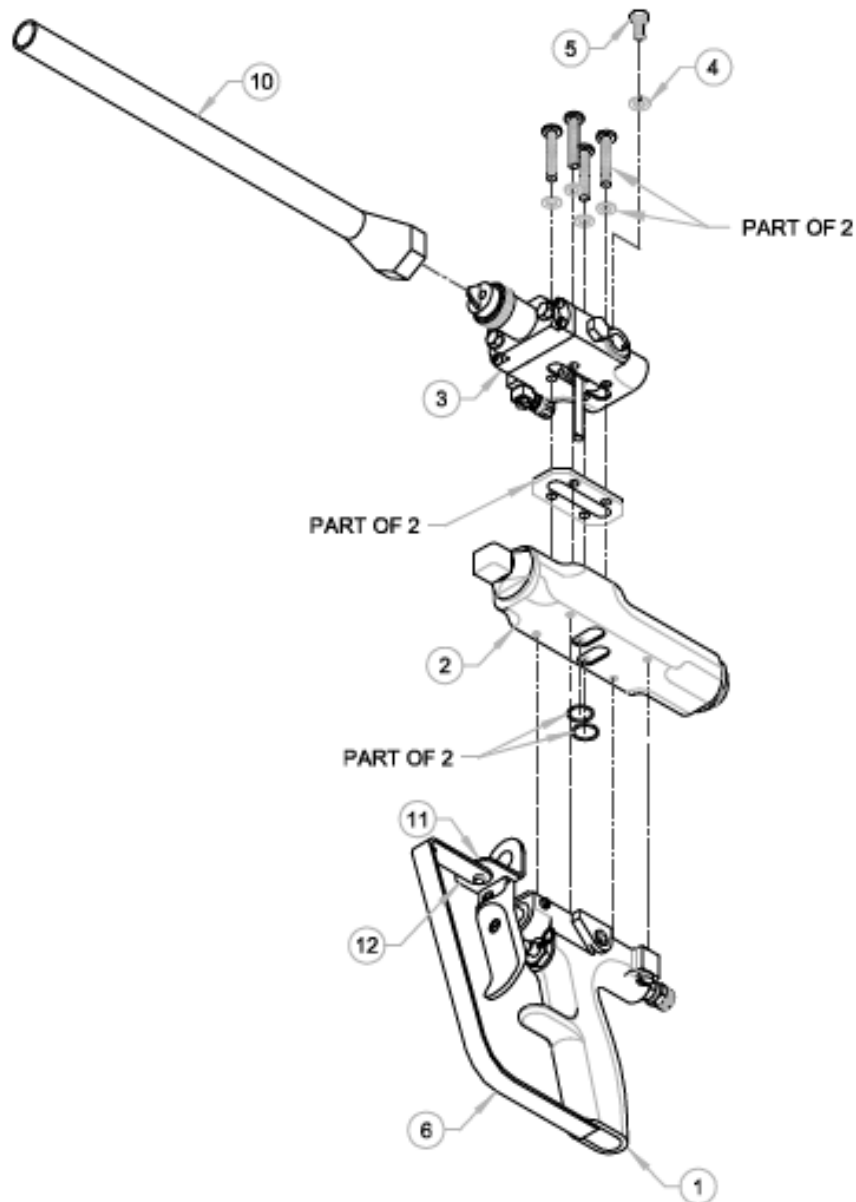
REV. A - DELETED ITEM 9 07552, ADDED REPAIR KIT 05/14/07 BT2

Auto Pro Gun Assembly CPD-5000-A**PARTS LIST**

ITEM	PART NO.	QTY	DESCRIPTION
1	58704-1	1	MOUNTING PAD - PRO GUN
2	CPC-1200-A	1	ACTUATOR ASSEMBLY
3	CPD-5100-A	1	GUN BLOCK ASSEMBLY
4	F-SW-04	1	LOCK WASHER
5	F-HB-04C-08	1	HEX BOLT
6	02806-2	2	PAN HEAD SCREW
7	01443	2 FT.	2 - 1 FT. TUBE SECTIONS
8	06946	1	Y CONNECTOR
10	07550	1	DISPOSABLE MIXER
11	04409	1	MIXER HOUSING

REPAIR KITS

PART NO.	DESCRIPTION
CPD-5000-A-RK	MAJOR REPAIR KIT



MAGNUM VENUS PRODUCTS

Pro Duo 1:1 Gun - Silicone

CPD-5000-SILO

REV. A - DELETED ITEM 7 6506-1-0.5 AND ITEM 9 07550 05/31/07 BT2
 REV. B - ITEM 2 WAS 58604-1 08/15/07 BT2
 REV. C - ITEM 1 WAS 58603-1, DELETED ITEM 8 PF-AP-02 04/06/18 BT2

Pro Duo Gun Assembly CPD-5000-SILO

PARTS LIST

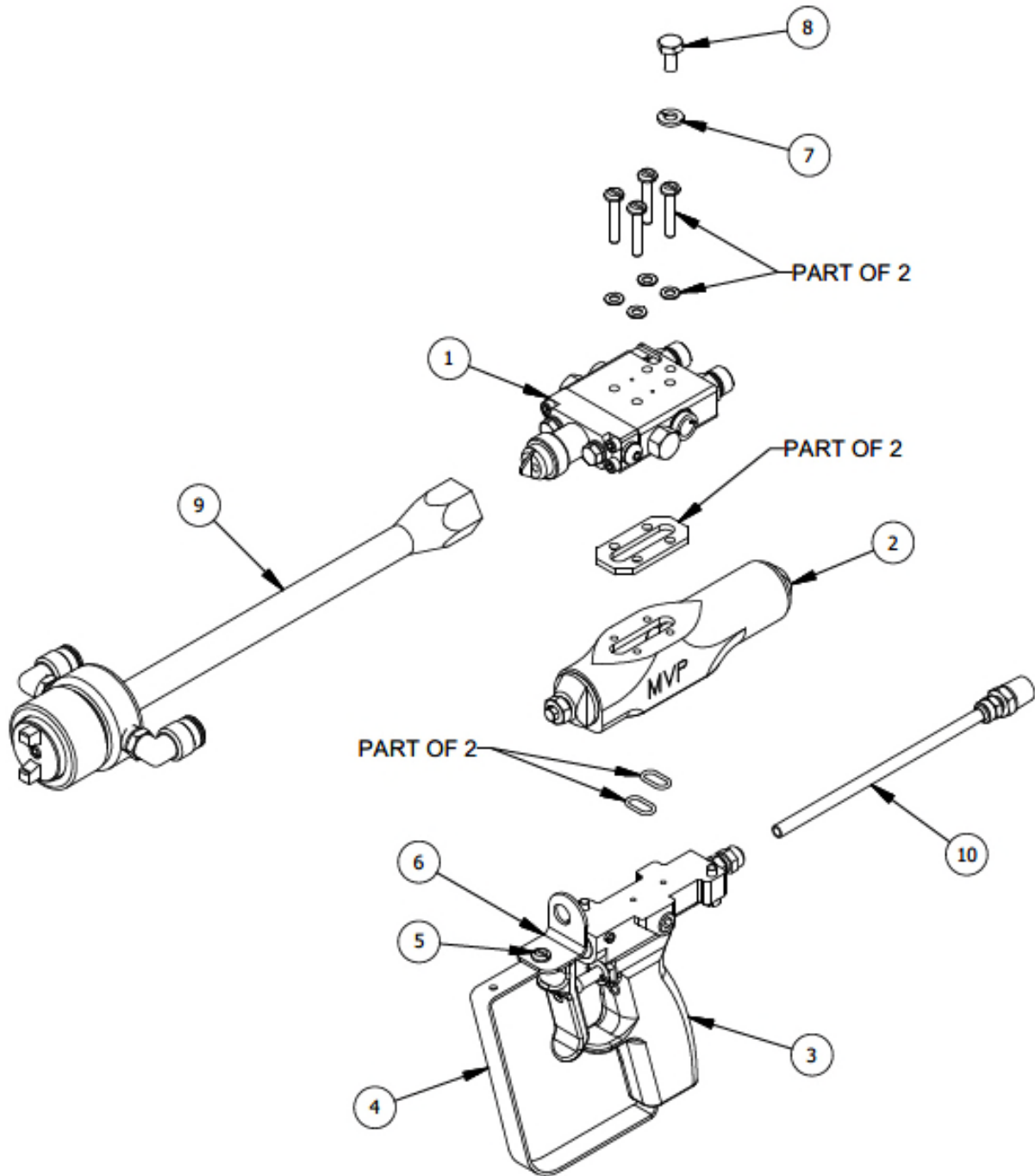
ITEM	PART NO.	QTY	DESCRIPTION
1	58603-3	1	GUN HANDLE
2	CPD-5200-SILO	1	ACTUATOR ASSEMBLY
3	CPD-5100-SILO	1	GUN BLOCK ASSEMBLY
4	F-SW-04	1	LOCK WASHER
5	F-HB-04C-08	1	HEX BOLT
6	58670-1	1	TRIGGER GUARD
10	04409	1	MIXER HOUSING
11	02806-2	1	SCREW
12	58671-1	1	DRIP SHIELD

REPAIR KITS

PART NO.	DESCRIPTION
CPD-5000-SILO-RK	MAJOR REPAIR KIT

OPTIONAL PARTS AND ASSEMBLIES

PART NO.	DESCRIPTION
58676-1	TRIGGER GUARD ASSEMBLY



MAGNUM VENUS PLASTECH

PRO DUO GUN

CPD-5000-SNZ

REV:

SHEET 1 / 2

3/18/2010

Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	CPD-5100-SNZ	1	PRO DUO GUN BLOCK
2	58604-1	1	ACTUATOR ASSY WITH SIGNAL
3	58603-3	1	CLASSIC PRO HANDLE ASSY. - GEL
4	58670-1	1	TRIGGER GUARD
5	02806-2	1	10-24 PAN HEAD SCREW
6	58671-1	1	DRIP SHIELD
7	F-SW-04	1	LOCK WASHER
8	F-HB-04C-08	1	HEX BOLT
9	SNZ-1000	1	SPATTER NOZZLE ASSEMBLY
10	6504-1-0.5	1	1/4" POLY AIR WHIP

REPAIR KIT

CPD-5000-SNZ-RK (REPAIR KIT INCLUDES PARTS IN ITEMS 1, 2, 3, AND 9)

MAGNUM VENUS PLASTECH

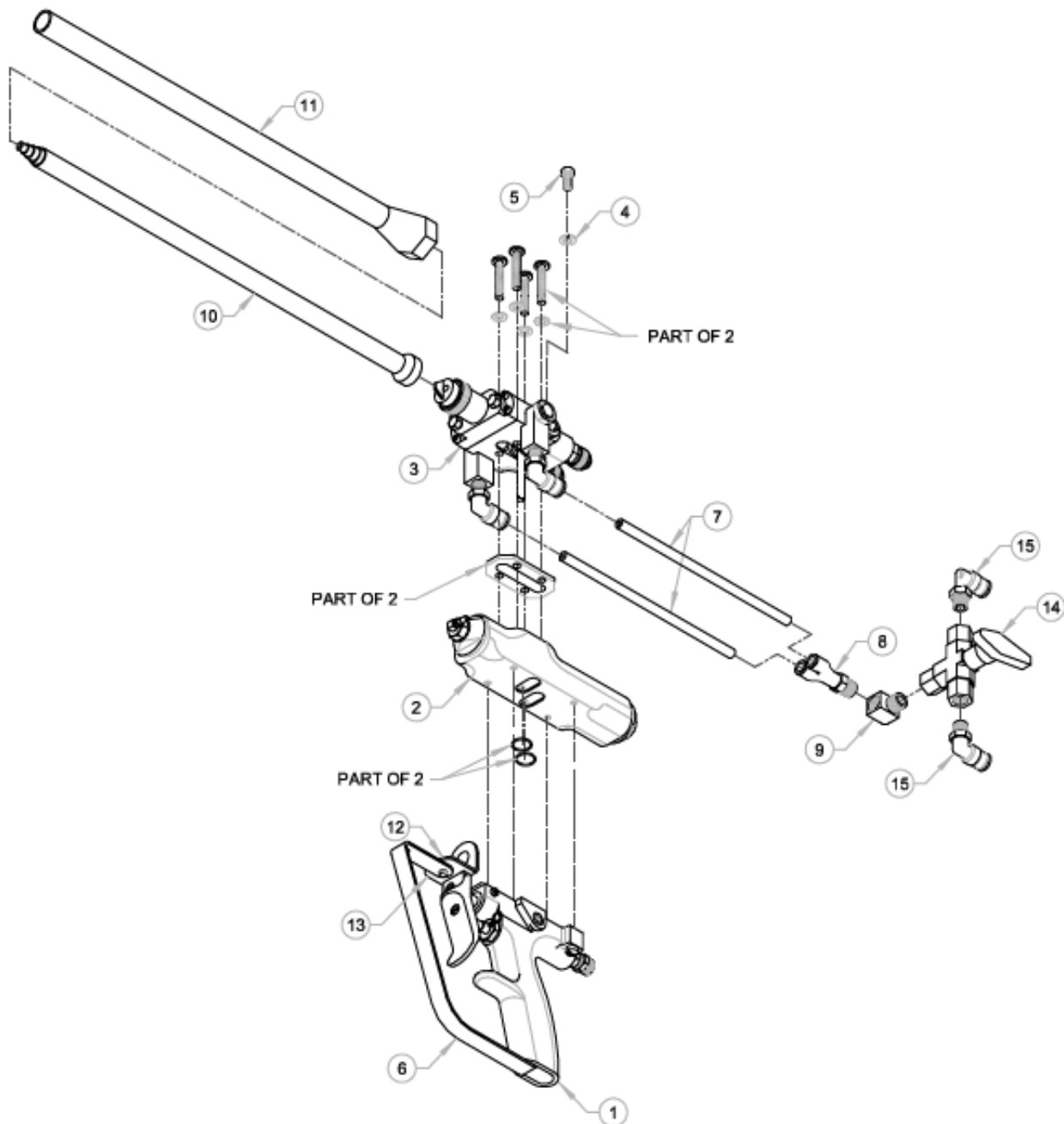
PRO DUO GUN

CPD-5000-SNZ

REV:

SHEET 2 / 2

3/18/2010



MAGNUM VENUS PLASTECH

Pro Duo 1:1 Gun With Mixer

CPD-6000

REV. A - REPAIR KIT WAS CPD-5000-RK 09/30/08 BT2
 REV. B - ITEM 10 WAS 07750, ITEM 11 WAS 04409 01/17/13 BT2
 REV. C - ITEM 1 WAS CPD-6300, ITEM 2 WAS 59604-1 02/19/14 BT2

Pro Duo Gun Assembly CPD-6000

PARTS LIST

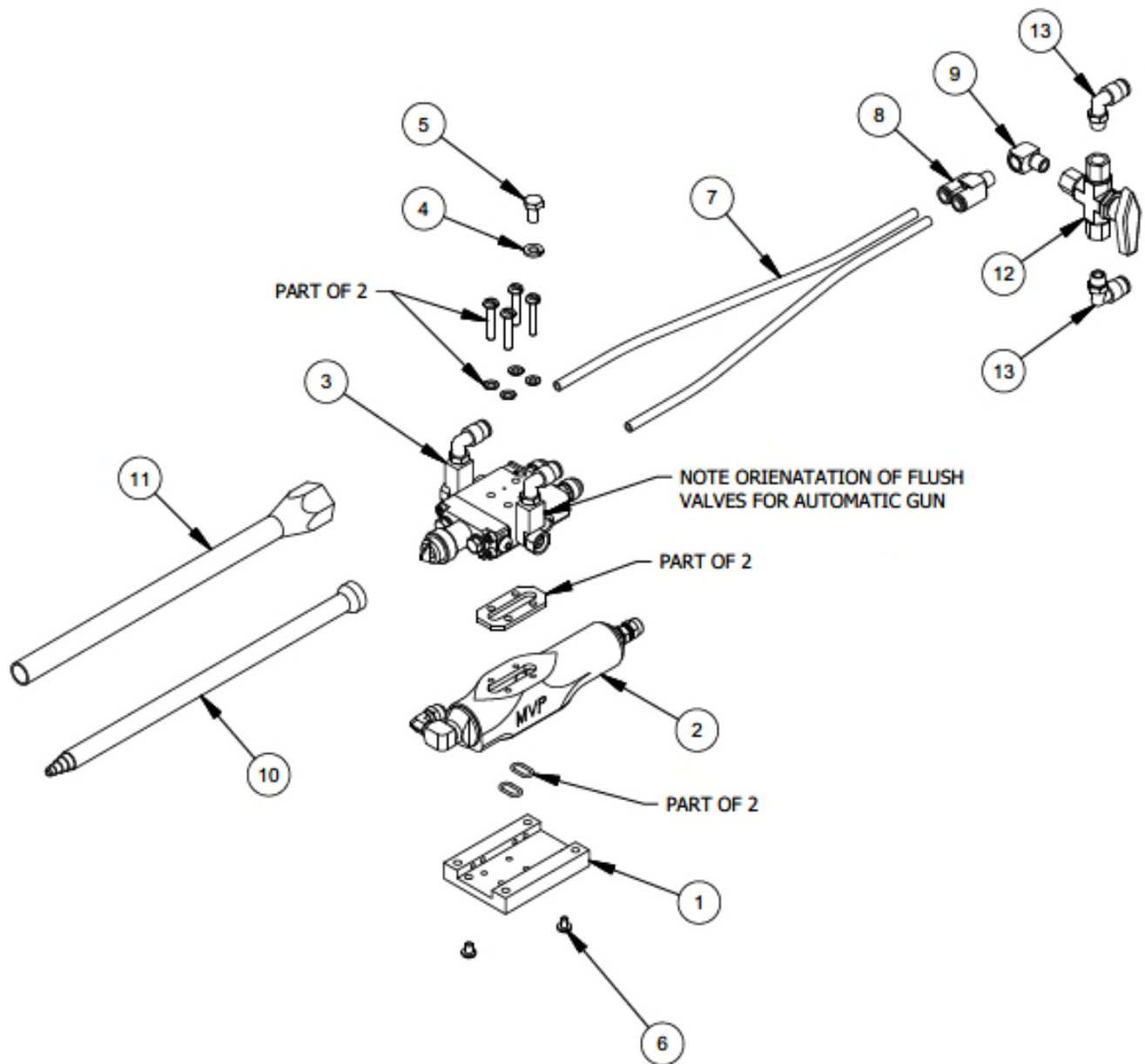
ITEM	PART NO.	QTY	DESCRIPTION
1	58603-3	1	GUN HANDLE
2	58604-1-S	1	ACTUATOR ASSEMBLY
3	CPD-6100	1	GUN BLOCK ASSEMBLY
4	F-SW-04	1	LOCK WASHER
5	F-HB-04C-08	1	HEX BOLT
6	58670-1	1	TRIGGER GUARD
7	01443	4 FT.	2 - 2 FT. TUBE SECTIONS
8	06952	1	Y CONNECTOR
9	PF-SE-02-BR	1	ELBOW
10	CPD-6018	1	DISPOSABLE MIXER
11	CPD-6017	1	MIXER HOUSING
12	02806-2	1	SCREW
13	58671-1	1	DRIP SHIELD
14	8407-6-1	1	BALL VALVE
15	MPH-2539	2	POLY ELBOW

REPAIR KITS

PART NO.	DESCRIPTION
CPD-6000-RK	REPAIR KIT

OPTIONAL PARTS AND ASSEMBLIES

PART NO.	DESCRIPTION
58676-1	TRIGGER GUARD ASSEMBLY



MAGNUM VENUS PRODUCTS

CLASSIC PRO DUO GUN - AUTOMATIC

CPD-6000-A

REV: B 05/03/2016

SHEET 1 / 2

5/2/2016

Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	58704-1	1	MOUNTING PAD
2	CPC-1200-A	1	ACTUATOR ASSEMBLY
3	CPD-6100	1	CLASSIC PRO DUO GUN
4	F-SW-04	1	LOCK WASHER
5	F-HB-04C-08	1	HEX BOLT
6	02806-2	2	10-24 PAN HEAD SCREW
7	01443	4 FT	FLUSH TUBE - TWO 2FT SECTIONS
8	06952	1	Y FITTING
9	PF-SE-02-BR	1	STREET ELBOW
10	07550	1	DISPOSABLE MIXER
11	04409	1	MIXER HOUSING
12	8407-6-1	1	BALL VALVE - SS
13	MPH-2539	2	MALE ELBOW

REPAIR KIT

CPD-6000-A-RK

REPAIR KIT

MAGNUM VENUS PRODUCTS

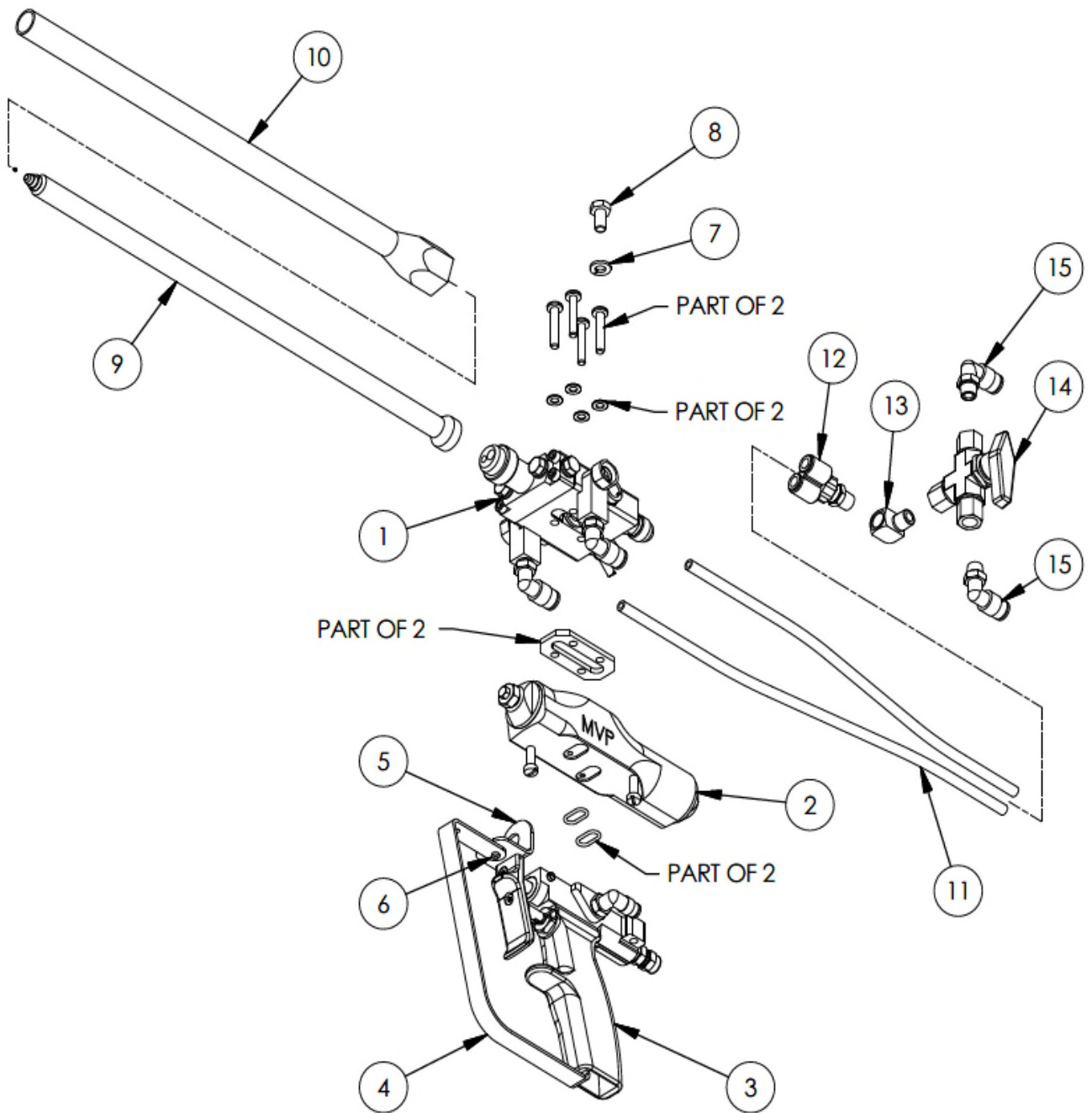
CLASSIC PRO DUO GUN - AUTOMATIC

CPD-6000-A

REV: B 05/03/2016

SHEET 2 / 2

5/2/2016



MAGNUM VENUS PRODUCTS

PRO DUO GUN - HIGH OUTPUT

CPD-6000-HO

REV:-

SHEET 1 / 2

11/11/2019

Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	CPD-6100-HO	1	PRO DUO GUN BLOCK - HIGH OUTPUT
2	58604-1	1	GUN ACTUATOR ASSEMBLY
3	CPD-6300	1	CLASSIC PRO HANDLE
4	58670-1	1	TRIGGER GUARD
5	58671-1	1	DRIP SHIELD
6	02806-2	1	10-24 PAN HEAD SCREW
7	F-SW-04	1	LOCK WASHER
8	F-HB-04C-08	1	HEX BOLT
9	CPD-6018	1	DISPOSABLE MIXER
10	CPD-6017	1	MIXER HOUSING
11	01443	2 FT	FLUSH TUBE
12	06952	1	Y FITTING .25 POLY TO .125 NPT
13	PF-SE-02-BR	1	STREET ELBOW
14	8407-6-1	1	BALL VALVE - SS
15	MPH-2539	2	MALE ELBOW

REPAIR KIT - CPD-6000-HO-RK (REPAIR KIT INCLUDES ITEMS IN SUBASSEMBLIES)

MAGNUM VENUS PRODUCTS

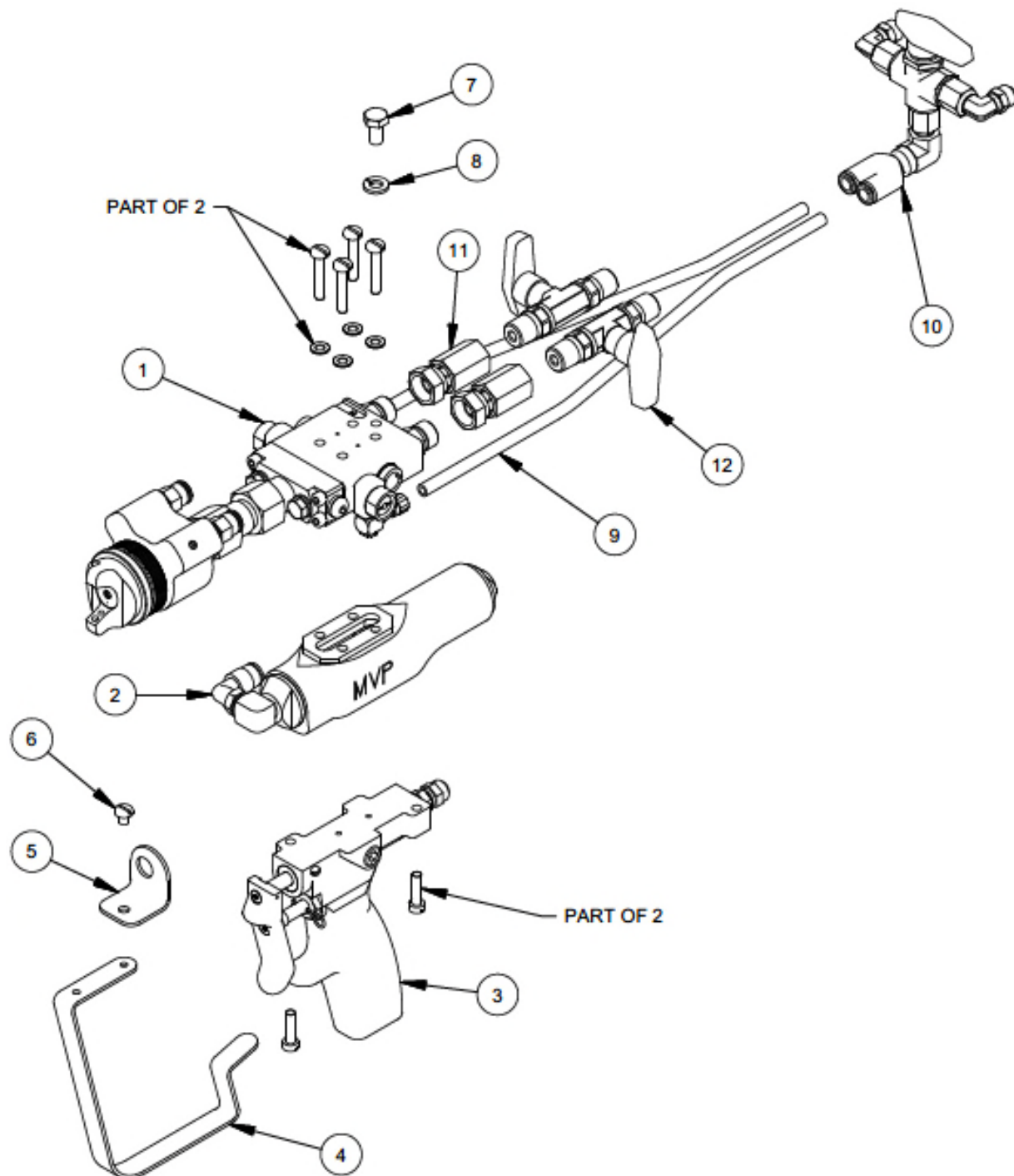
PRO DUO GUN - HIGH OUTPUT

CPD-6000-HO

REV:-

SHEET 2 / 2

11/11/2019



MAGNUM VENUS PLASTECH

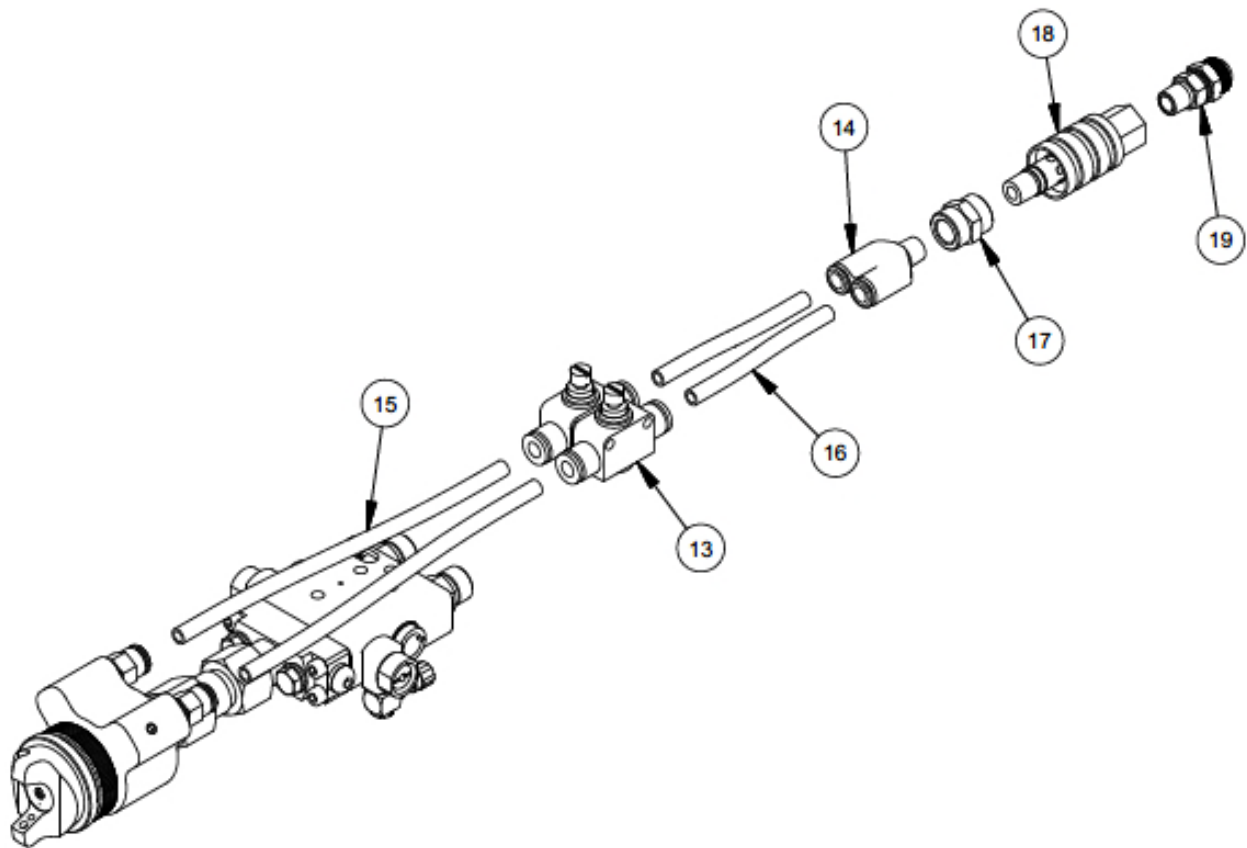
POLYUREA GUN

CPD-7000

REV: C 03/02/2016

SHEET 1 / 3

5/29/2014



MAGNUM VENUS PLASTECH

POLYUREA GUN

CPD-7000

REV: C 03/02/2016

SHEET 2 / 3

5/29/2014

Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	CPD-7100	1	POLYUREA GUN BLOCK
2	CPD-7200	1	ACTUATOR ASSEMBLY
3	58603-3	1	CLASSIC PRO HANDLE
4	58670-1	1	TRIGGER GUARD
5	58671-1	1	DRIP SHIELD
6	02806-2	1	10-24 PAN HEAD SCREW
7	F-HB-04C-08	1	HEX BOLT
8	F-SW-04	1	LOCK WASHER
9	01443	2 FT	FLUSH TUBE (2 - 1 FT. SECTIONS)
10	SAPV-1000-DUO	1	SOLVENT/AIR PURGE VALVE
11	PF-SW-04F-04F	2	PIPE SWIVEL
12	BV-37A	2	BALL VALVE - 1/4 NPT
13	CPD-7016	2	AIR CONTROL VALVE
14	06952	1	Y FITTING
15	MS-2052-1	1 FT	TUBING 2) 1/2 FT SECTIONS
16	MS-2052-1	.5 FT	TUBING 2) 1/4 FT SECTIONS
17	PF-FC-02	1	1/8 NPT COUPLING
18	RC-1007	1	VALVE
19	00003-1	1	POLY FITTING

REPAIR KIT

PART NO.	DESCRIPTION
CPD-7000-RK	REPAIR KIT

MAGNUM VENUS PLASTECH

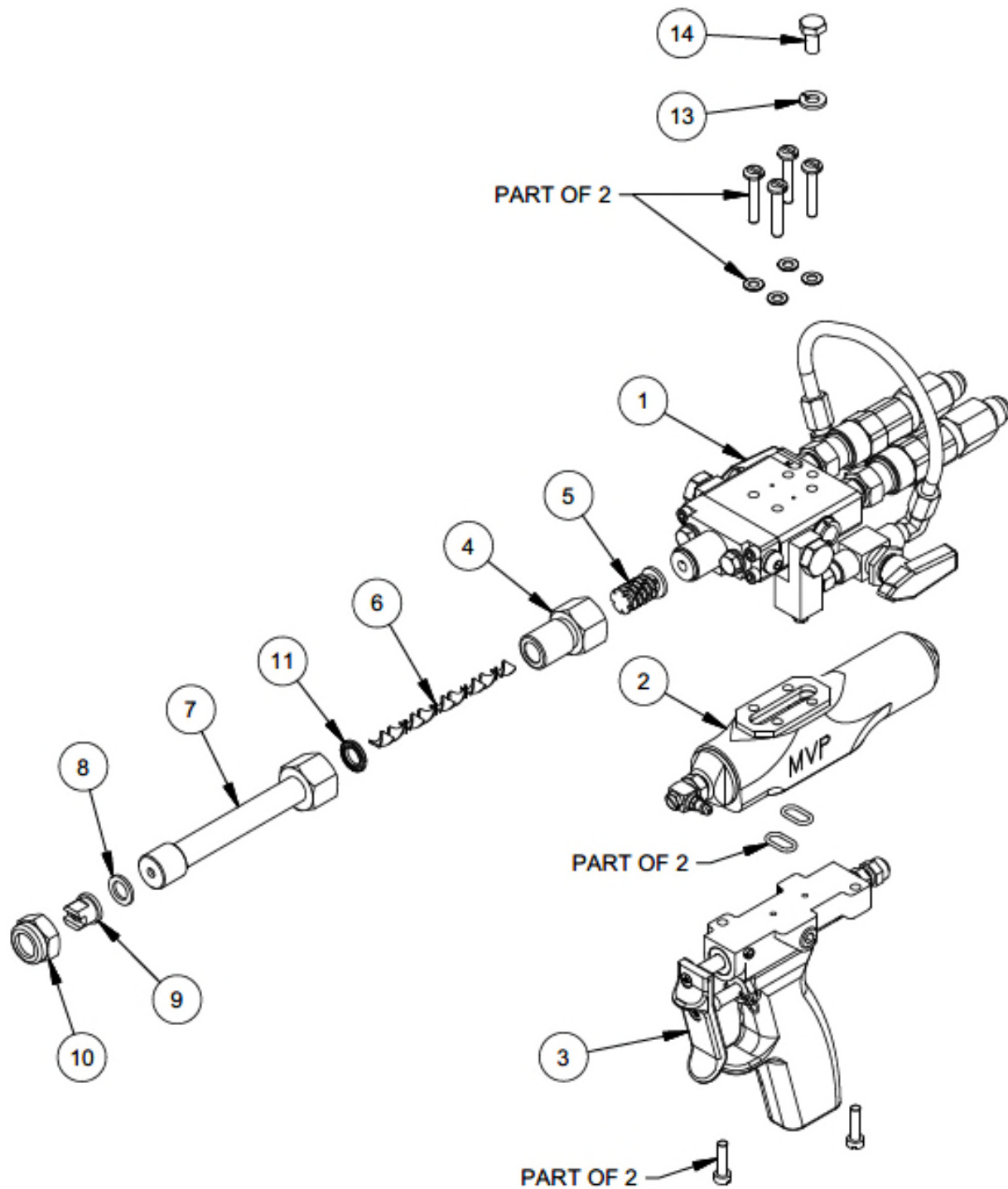
POLYUREA GUN

CPD-7000

REV: C 03/02/2016

SHEET 3 / 3

5/29/2014



MAGNUM VENUS PLASTECH

PRO DUO GUN

CPD-8000

REV:

SHEET 1 / 2

11/12/2014

Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	SPD-1100-TSE	1	1 TO 1 GUN BLOCK
2	58604-1-S	1	GUN ACTUATOR ASSY
3	58603-3	1	CLASSIC PRO HANDLE ASSY. - GEL
4	85721-1-TSE	1	MIXER HOUSING
5	5107-27-3	1	TURBULENT MIXER
6	ITD-4025	1	STAINLESS MIXER
7	50091-1-TSE	1	MIXER HOUSING
8	02149-1	1	NOZZLE SEAL
9	FT-652	1	FLAT TIP
10	8704-4-1	1	NOZZLE CAP
11	02030-1	1	SEAL
13	F-SW-04	1	LOCK WASHER
14	F-HB-04C-08	1	HEX BOLT

REPAIR KIT

PART No.	DESCRIPTION
CPD-8000-RK	REPAIR KIT

MAGNUM VENUS PLASTECH

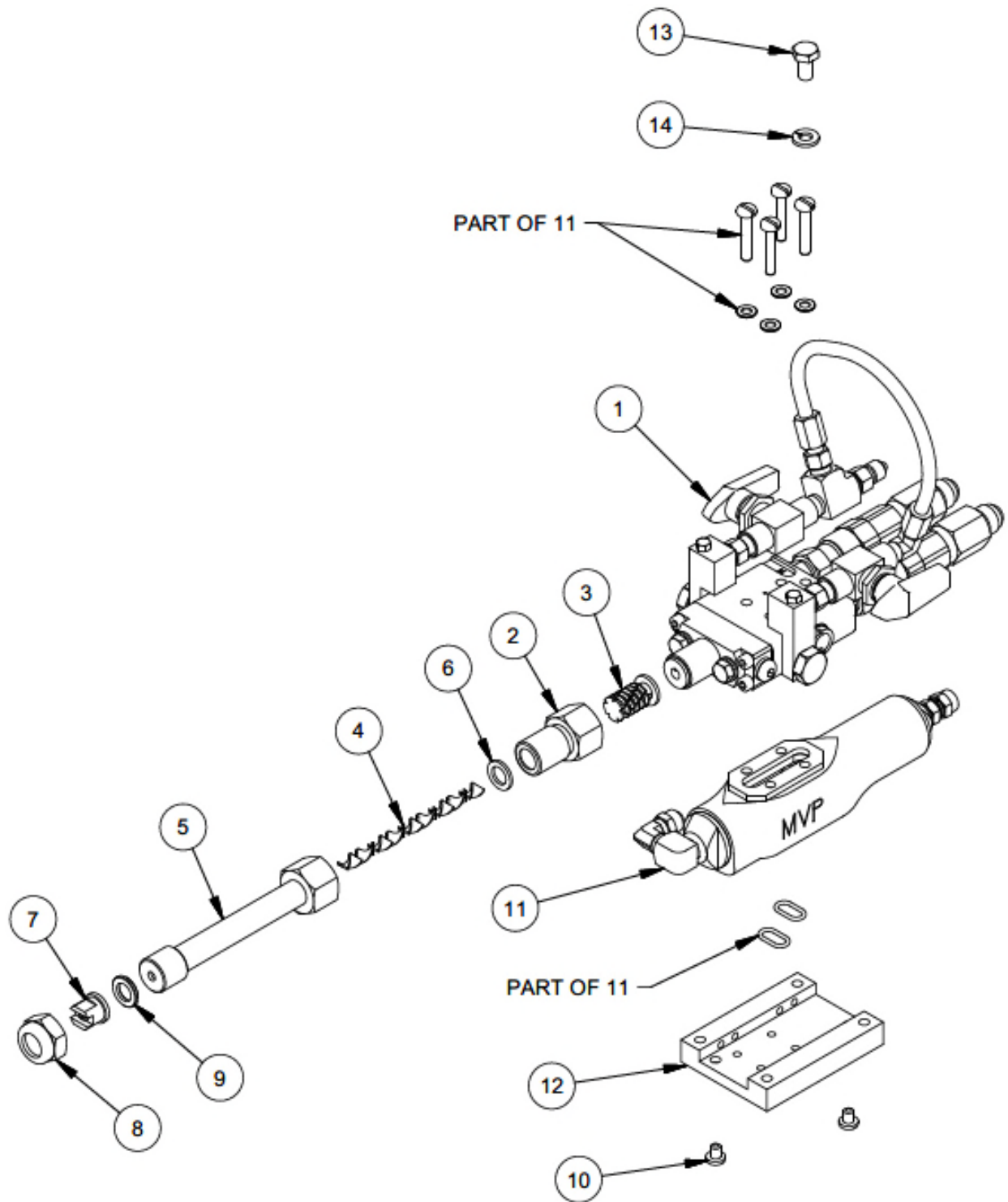
PRO DUO GUN

CPD-8000

REV:

SHEET 2 / 2

11/12/2014



MAGNUM VENUS PLASTECH

PRO DUO GUN AUTO

CPD-8000-A

REV:

SHEET 1 / 2

11/14/2014

Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	SPD-1100-TSE-A	1	1 TO 1 GUN BLOCK - AUTO
2	85721-1-TSE	1	MIXER HOUSING
3	5107-27-3	1	TURBULENT MIXER
4	ITD-4025	1	STAINLESS MIXER
5	50091-1-TSE	1	MIXER HOUSING
6	02149-1	1	NOZZLE SEAL
7	FT-652	1	FLAT TIP
8	8704-4-1	1	NOZZLE CAP
9	02030-1	1	SEAL
10	02806-2	2	10-24 PAN HEAD SCREW
11	CPC-1200-A	1	ACTUATOR ASSEMBLY
12	58704-1	1	MOUNTING PAD
13	F-HB-04C-08	1	HEX BOLT
14	F-SW-04	1	LOCK WASHER

REPAIR KIT

PART No.	DESCRIPTION
CPD-8000-A-RK	REPAIR KIT

MAGNUM VENUS PLASTECH

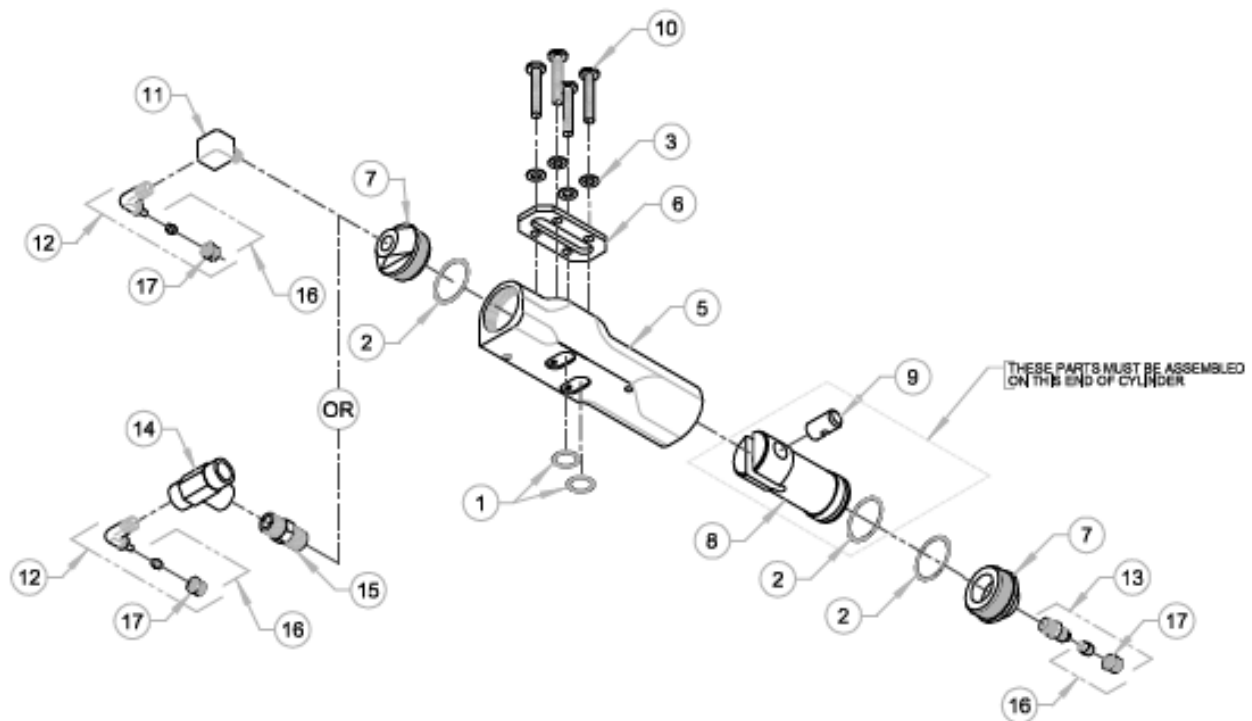
PRO DUO GUN AUTO

CPD-8000-A

REV:

SHEET 2 / 2

11/14/2014



MAGNUM VENUS PLASTECH

Pro Series Automatic Gun Actuator
Pro Series Automatic Gun Actuator

CPC-1200-A
CPC-1200-A-2

REV. - 03/14/06 BT2
REV. A - REMOVED ITEM 4 58826-1 11/01/06 BT2
REV. B - ITEM 16 WAS 00437 FERRULE 05/10/12 BT2

Pro Series Gun Actuator CPC-1200-A
Pro Series Gun Actuator CPC-1200-A-2

COMMON PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	O-V-013	2	O-RING
2	O-V-020	3	O-RING
3	5106-3-1	4	MOUNTING SEAL
5	58631-1	1	CYLINDER BODY ASSY
6	5106-2-1	1	ACTUATOR SEAL
7	5106-4-1	2	CYLINDER CAP
8	5106-7-1	1	ACTUATING PISTON
9	5106-5-1	1	BUSHING
10	5106-6-1	4	MOUNTING SCREW
12	MPH-2534	1	MALE ELBOW POLY FITTING
13	7701-8-14	1	STRAIGHT POLY FITTING

Pro Series Gun Actuator CPC-1200-A

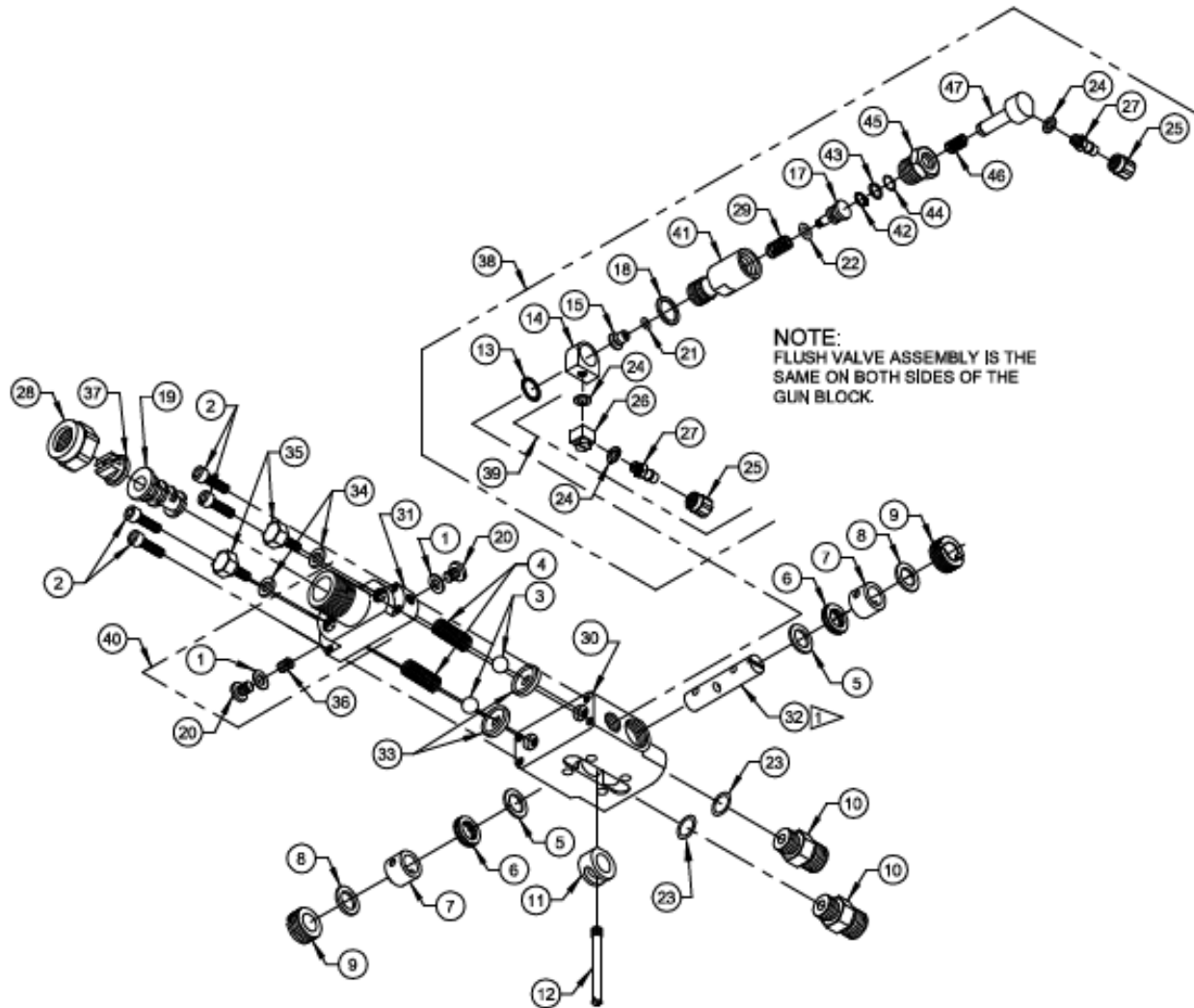
ITEM	PART NO.	QTY	DESCRIPTION
11	PF-SE-02-BR	1	STREET ELBOW

Pro Series Gun Actuator - Gel CPC-1200-A-2

ITEM	PART NO.	QTY	DESCRIPTION
14	PF-FT-02	1	FEMALE TEE
15	PF-HN-02	1	HEX NIPPLE

OPTIONAL PARTS

ITEM	PART NO.	QTY	DESCRIPTION
16	7701-8-11	3	FERRULE W/ NUT
17	7701-6-12	3	POLY NUT ONLY



MAGNUM VENUS PLASTECH

AUTOMATIC PRO 1:1 GUN BLOCK CPD-4100-A

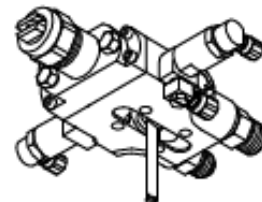
REV - 03/23/06 BT2
REV A - ITEM 24 WAS QTY. 4 09/30/08 BT2

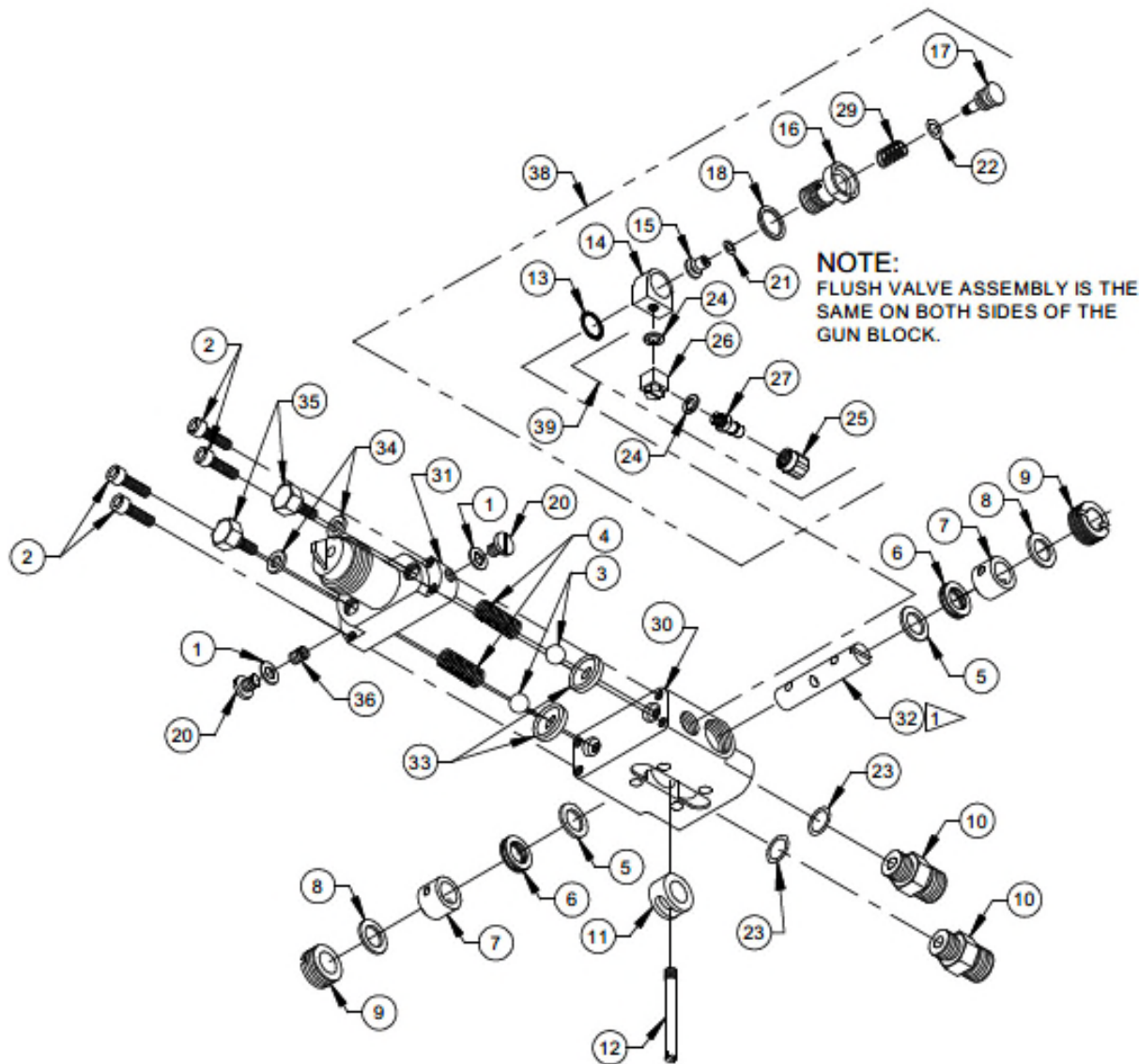
ASSEMBLY - 1:1 GUN BLOCK CPD-4100-A

PARTS LIST				OPTIONAL PARTS AND ASSEMBLIES			
ITEM	PART NO.	QTY	DESCRIPTION	ITEM	PART NO.	QTY	DESCRIPTION
1	02441-1	2	SEAL	38	58742-1	2	ASSY - FLUSH VALVE
2	F-CS-832-10-GR8	4	SOCKET HEAD CAP SCREW	39	5104-02-01	2	ASSY - FLUSH ELBOW
3	03199	2	BALL	40	58692-1	1	ASSY - MIX HOUSING
4	04319	2	SPRING	15A	5104-29-01	1	ASSY - FILLED RESIN SEAL
5	5104-3-1	2	SECONDARY SEAL	36A	58752-2	1	2:1 FLOW RESTRICTOR
6	5104-4-1	2	RELIEF SPACER	36B	58752-3	1	3:1 FLOW RESTRICTOR
7	5104-5-1	2	RESIN SEAL	36C	58752-4	1	4:1 FLOW RESTRICTOR
8	5104-7-1	2	PACKING RING	36D	58752-5	1	5:1 FLOW RESTRICTOR
9	5104-8-1	2	PACKING NUT	36E	58752-6	1	6:1 FLOW RESTRICTOR
10	5104-9-1	2	RESIN FITTING	36F	58752-7	1	7:1 FLOW RESTRICTOR
11	5104-10-1	1	CENTER SPACER	36G	58752-8	1	8:1 FLOW RESTRICTOR
12	5104-11-1	1	ACTUATING STEM	36H	58752-9	1	9:1 FLOW RESTRICTOR
13	5104-21-1	2	FLUSH VALVE SPLIT SEAL	36J	58752-10	1	10:1 FLOW RESTRICTOR
14	5104-22-1	2	FLUSH VALVE NECK				
15	5104-23-1	2	FLUSH SEAL BODY				
17	5104-25-1	2	FLUSH VALVE BUTTON				
18	5104-26-1	2	FLUSH VALVE SEAL				
19	5107-27-3	1	TURBULENT MIXER				
20	F-BHCS-04C-06	2	SCREW				
21	O-E-007	2	O - RING *DO NOT GREASE THIS O-RING*				
22	O-E-008	2	O - RING *DO NOT GREASE THIS O-RING*				
23	O-E-3-904	2	O - RING				
24	7304-3-1	6	NYLON SEAL				
25	7701-2-1	4	HOSE CLAMP				
26	TRU-1021	2	ELBOW FITTING				
27	7701-6-3	4	BARB FITTING				
28	8704-4-1	1	NOZZLE CAP				
29	9203-2-3	2	SPRING				
30	58691-1	1	1:1 GUN BLOCK				
31	58692-3	1	MIX HOUSING				
32	58693-1	1	VALVE ROD				
33	58694-1	2	FACE SEAL				
34	58695-1	2	PLUG SEAL				
35	58696-1	2	PLUG				
36	58752-4	1	FLOW RESTRICTOR				
37	FT-652	1	SPRAY NOZZLE				
41	58681-1	2	FLUSH VALVE BODY				
42	00973	2	GRIP RING				
43	58718-1	2	BACK UP RING				
44	O-B-010	2	O-RING				
45	58717-1	2	MANUAL / AUTO FLUSH BODY				
46	04356	2	SPRING				
47	58716-1	2	PUSH STEM				

1 58693-1 VALVE ROD MUST BE INSTALLED WITH THE SLOTTED END TO THE LEFT SIDE OF GUN BLOCK WITH ACTUATING STEM DOWN AS SHOWN ON DWG.

FIGURE 1-1





MAGNUM VENUS PRODUCTS

PRO DUO 1:1 GUN BLOCK

CPD-5100

REV - 05/11/06 BT2

PRO DUO 1:1 GUN BLOCK CPD-5100

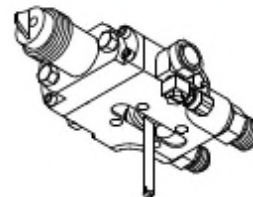
PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	02441	2	SEAL
2	02959-5	4	SOCKET HEAD CAP SCREW
3	03199	2	BALL
4	04319	2	SPRING
5	5104-3-1	2	SECONDARY SEAL
6	5104-4-1	2	RELIEF SPACER
7	5104-5-1	2	RESIN SEAL
8	5104-7-1	2	PACKING RING
9	5104-8-1	2	PACKING NUT
10	5104-9-1	2	RESIN FITTING
11	5104-10-1	1	CENTER SPACER
12	5104-11-1	1	ACTUATING STEM
13	5104-21-1	2	FLUSH VALVE SPLIT SEAL
14	5104-22-1	2	FLUSH VALVE NECK
15	5104-23-1	2	FLUSH SEAL BODY
16	5104-24-1	2	FLUSH VALVE BODY
17	5104-25-1	2	FLUSH VALVE BUTTON
18	5104-26-1	2	FLUSH VALVE SEAL
20	7102-5-6	2	SCREW
21	O-E-007	2	O - RING "DO NOT GREASE THIS O-RING"
22	O-E-008	2	O - RING "DO NOT GREASE THIS O-RING"
23	O-E-3-904	2	O - RING
24	7304-3-1	4	NYLON SEAL
25	7701-2-1	2	HOSE CLAMP
26	7701-6-1	2	ELBOW FITTING
27	7701-6-3	2	BARB FITTING
29	9203-2-3	2	SPRING
30	58691-1	1	1:1 GUN BLOCK
31	DUO-4101	1	MIX HOUSING
32	58693-1	1	VALVE ROD
33	58694-1	2	FACE SEAL
34	58695-1	2	PLUG SEAL
35	58696-1	2	PLUG
36	58752-4	1	FLOW RESTRICTOR

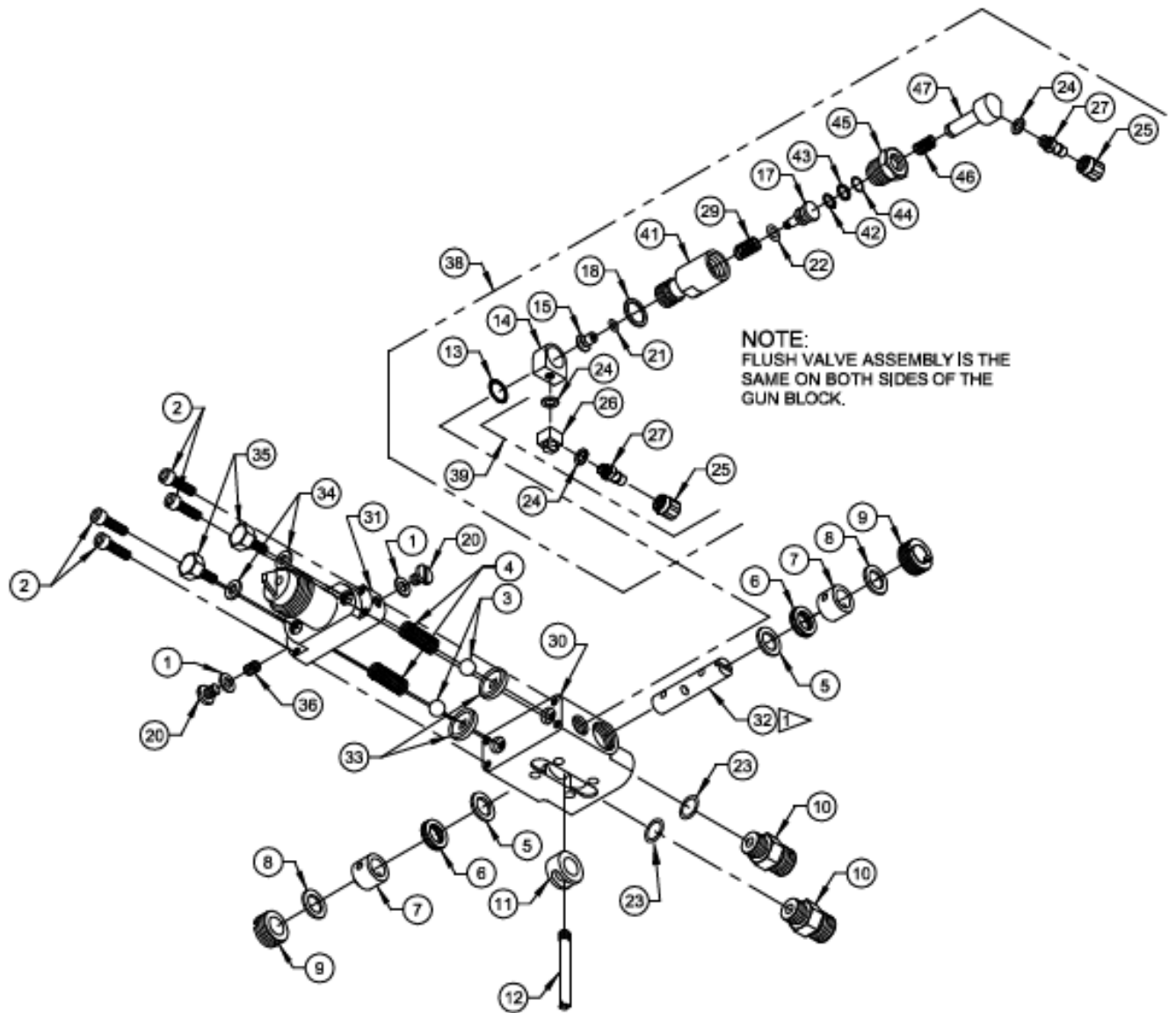
OPTIONAL PARTS AND ASSEMBLIES

ITEM	PART NO.	QTY	DESCRIPTION
38	5104-01-01	1	ASSY - FLUSH VALVE
39	5104-02-02	1	ASSY - FLUSH ELBOW
7A	5104-29-01	1	ASSY - FILLED RESIN SEAL
36A	58752-2	1	2:1 FLOW RESTRICTOR
36B	58752-3	1	3:1 FLOW RESTRICTOR
36C	58752-4	1	4:1 FLOW RESTRICTOR
36D	58752-5	1	5:1 FLOW RESTRICTOR
36E	58752-6	1	6:1 FLOW RESTRICTOR
36F	58752-7	1	7:1 FLOW RESTRICTOR
36G	58752-8	1	8:1 FLOW RESTRICTOR
36H	58752-9	1	9:1 FLOW RESTRICTOR
36J	58752-10	1	10:1 FLOW RESTRICTOR

FIGURE 1-1



1 58693-1 VALVE ROD MUST BE INSTALLED WITH THE SLOTTED END TO THE LEFT SIDE OF GUN BLOCK WITH ACTUATING STEM DOWN AS SHOWN ON DWG.



MAGNUM VENUS PLASTECH

AUTOMATIC PRO 1:1 GUN BLOCK

CPD-5100-A

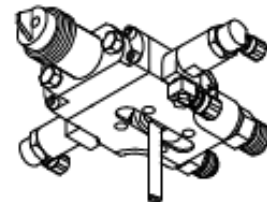
REV - 05/11/06 BT2
REV A - ITEM 24 WAS QTY. 4 08/30/08 BT2

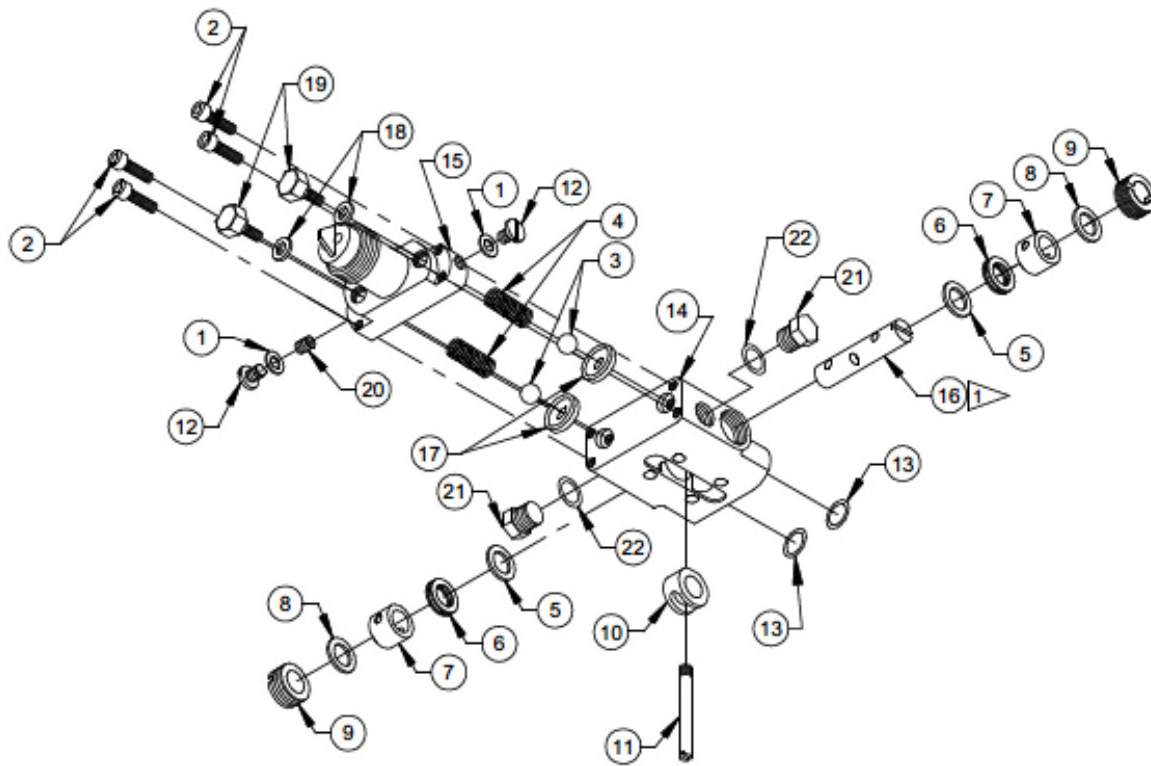
ASSEMBLY - 1:1 GUN BLOCK CPD-5100-A

PARTS LIST				OPTIONAL PARTS AND ASSEMBLIES			
ITEM	PART NO.	QTY	DESCRIPTION	ITEM	PART NO.	QTY	DESCRIPTION
1	02441-1	2	SEAL	38	58742-1	2	ASSY - FLUSH VALVE
2	F-CS-832-10-GR8	4	SOCKET HEAD CAP SCREW	39	5104-02-01	2	ASSY - FLUSH ELBOW
3	03199	2	BALL	15A	5104-29-01	1	ASSY - FILLED RESIN SEAL
4	04319	2	SPRING	36A	58752-2	1	2:1 FLOW RESTRICTOR
5	5104-3-1	2	SECONDARY SEAL	36B	58752-3	1	3:1 FLOW RESTRICTOR
6	5104-4-1	2	RELIEF SPACER	36C	58752-4	1	4:1 FLOW RESTRICTOR
7	5104-5-1	2	RESIN SEAL	36D	58752-5	1	5:1 FLOW RESTRICTOR
8	5104-7-1	2	PACKING RING	36E	58752-6	1	6:1 FLOW RESTRICTOR
9	5104-8-1	2	PACKING NUT	36F	58752-7	1	7:1 FLOW RESTRICTOR
10	5104-9-1	2	RESIN FITTING	36G	58752-8	1	8:1 FLOW RESTRICTOR
11	5104-10-1	1	CENTER SPACER	36H	58752-9	1	9:1 FLOW RESTRICTOR
12	5104-11-1	1	ACTUATING STEM	36J	58752-10	1	10:1 FLOW RESTRICTOR
13	5104-21-1	2	FLUSH VALVE SPLIT SEAL				
14	5104-22-1	2	FLUSH VALVE NECK				
15	5104-23-1	2	FLUSH SEAL BODY				
17	5104-25-1	2	FLUSH VALVE BUTTON				
18	5104-26-1	2	FLUSH VALVE SEAL				
20	F-BHCS-04C-06	2	SCREW				
21	O-E-007	2	O - RING *DO NOT GREASE THIS O-RING*				
22	O-E-008	2	O - RING *DO NOT GREASE THIS O-RING*				
23	O-E-3-904	2	O - RING				
24	7304-3-1	6	NYLON SEAL				
25	7701-2-1	4	HOSE CLAMP				
26	TRU-1021	2	ELBOW FITTING				
27	7701-6-3	4	BARB FITTING				
29	9203-2-3	2	SPRING				
30	58691-1	1	1:1 GUN BLOCK				
31	DUO-4101	1	MIX HOUSING				
32	58693-1	1	VALVE ROD				
33	58694-1	2	FACE SEAL				
34	58695-1	2	PLUG SEAL				
35	58696-1	2	PLUG				
36	58752-4	1	FLOW RESTRICTOR				
41	58681-1	2	FLUSH VALVE BODY				
42	00973	2	GRIP RING				
43	58718-1	2	BACK UP RING				
44	O-B-010	2	O-RING				
45	58717-1	2	MANUAL / AUTO FLUSH BODY				
46	04356	2	SPRING				
47	58716-1	2	PUSH STEM				

1 58693-1 VALVE ROD MUST BE INSTALLED WITH THE SLOTTED END TO THE LEFT SIDE OF GUN BLOCK WITH ACTUATING STEM DOWN AS SHOWN ON DWG.

FIGURE 1-1





MAGNUM VENUS PRODUCTS

PRO DUO 1:1 GUN BLOCK

CPD-5100-SILO

REV - 05/14/07 BT2
REV A - ITEMS 10 AND 11 WERE QTY. OF 2 07/03/07 BT2

PRO DUO 1:1 GUN BLOCK CPD-5100-SILO

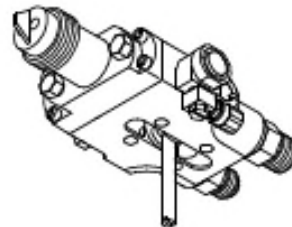
PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	02441-1	2	SEAL
2	F-CS-832-10-GR8	4	CAP SCREW
3	03199	2	BALL
4	04319	2	SPRING
5	5104-3-1	2	SECONDARY SEAL
6	5104-4-1	2	RELIEF SPACER
7	5104-5-1	2	RESIN SEAL
8	5104-7-1	2	PACKING RING
9	5104-8-1	2	PACKING NUT
10	5104-10-1	1	CENTER SPACER
11	5104-11-1	1	ACTUATING STEM
12	F-BHCS-04C-06	2	SCREW
13	O-E-3-904	2	O-RING
14	58691-1	1	1:1 GUN BLOCK
15	DUO-4101	1	MIX HOUSING
16	58693-1	1	VALVE ROD
17	58694-1	2	FACE SEAL
18	58695-1	2	PLUG SEAL
19	58696-1	2	PLUG
20	58752-4	1	FLOW RESTRICTOR
21	F-SP-07F	2	SS PLUG
22	O-S-012	2	O-RING

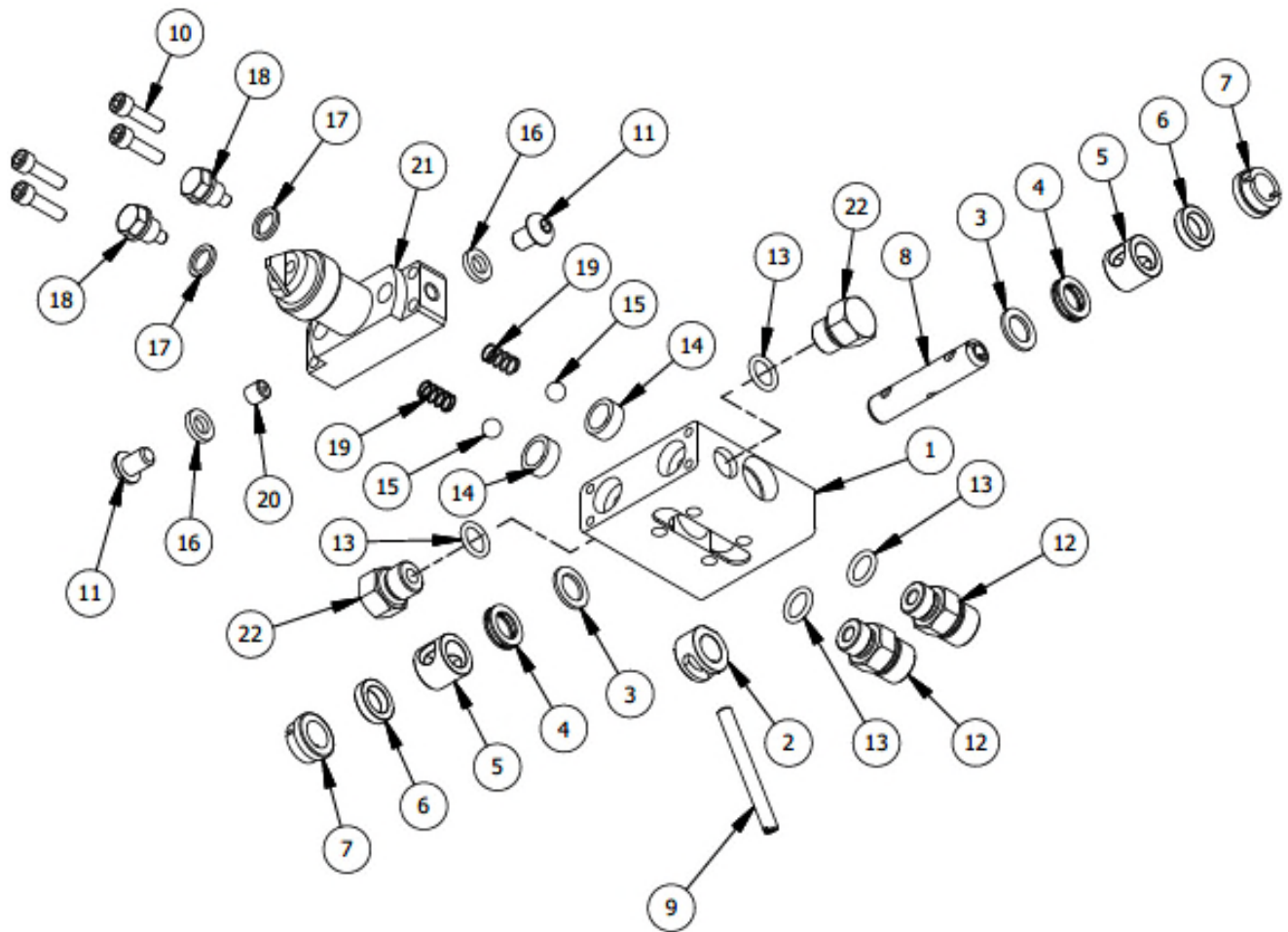
OPTIONAL PARTS AND ASSEMBLIES

ITEM	PART NO.	QTY	DESCRIPTION
20A	58752-2	1	2:1 FLOW RESTRICTOR
20B	58752-3	1	3:1 FLOW RESTRICTOR
20C	58752-4	1	4:1 FLOW RESTRICTOR
20D	58752-5	1	5:1 FLOW RESTRICTOR
20E	58752-6	1	6:1 FLOW RESTRICTOR
20F	58752-7	1	7:1 FLOW RESTRICTOR
20G	58752-8	1	8:1 FLOW RESTRICTOR
20H	58752-9	1	9:1 FLOW RESTRICTOR
20J	58752-10	1	10:1 FLOW RESTRICTOR

FIGURE 1-1



1 58693-1 VALVE ROD MUST BE INSTALLED WITH THE SLOTTED END TO THE LEFT SIDE OF GUN BLOCK WITH ACTUATING STEM DOWN AS SHOWN ON DWG.



MAGNUM VENUS PLASTECH

PRO DUO GUN BLOCK

CPD-5100-SNZ

REV:

SHEET 1 / 2

3/18/2010

Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	58691-1	1	1:1 GUN HEAD
2	5104-10-1	1	CENTER SPACER
3	5104-3-1	2	SECONDARY SEAL
4	5104-4-1	2	RELIEF SPACER
5	5104-5-1	2	RESIN SEAL
6	5104-7-1	2	PACKING RING
7	5104-8-1	2	PACKING NUT
8	58693-1	1	VALVE ROD
9	5104-11-1	1	ACTUATING STEM
10	F-CS-832-10-GR8	4	SOCKET HEAD CAP SCREW
11	F-BHCS-04C-06	2	BUTTON HEAD CAP SCREW
12	5104-9-1	2	RESIN FITTING
13	O-E-3-904	4	O-RING
14	58694-1	2	CHECK FACE SEAL
15	03199	2	SS BALL
16	02441-1	2	SEAL - GUN HEAD PLUG
17	58695-1	2	PLUG SEAL
18	58696-1	2	PLUG
19	04319	2	COMPRESSION SPRING
20	58752-4	1	FLOW RESTRICTOR
21	DUO-4101	1	1:1 MIXER ADAPTER
22	F-SP-07F	2	SOLVENT PLUG

MAGNUM VENUS PLASTECH

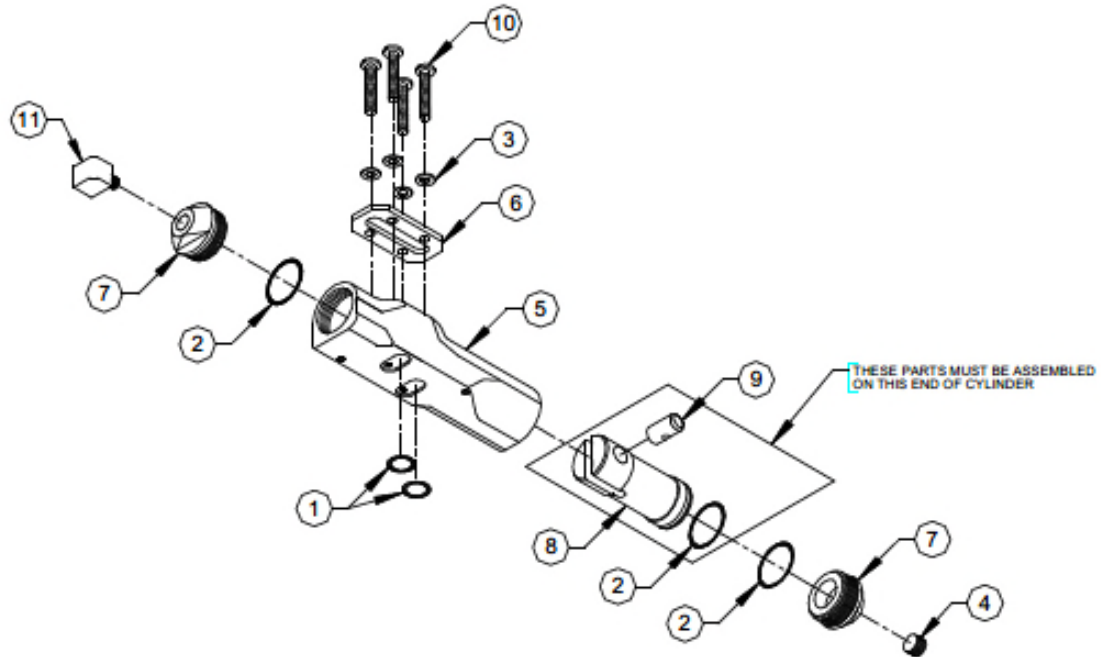
PRO DUO GUN BLOCK

CPD-5100-SNZ

REV:

SHEET 2 / 2

3/18/2010



MAGNUM VENUS PRODUCTS

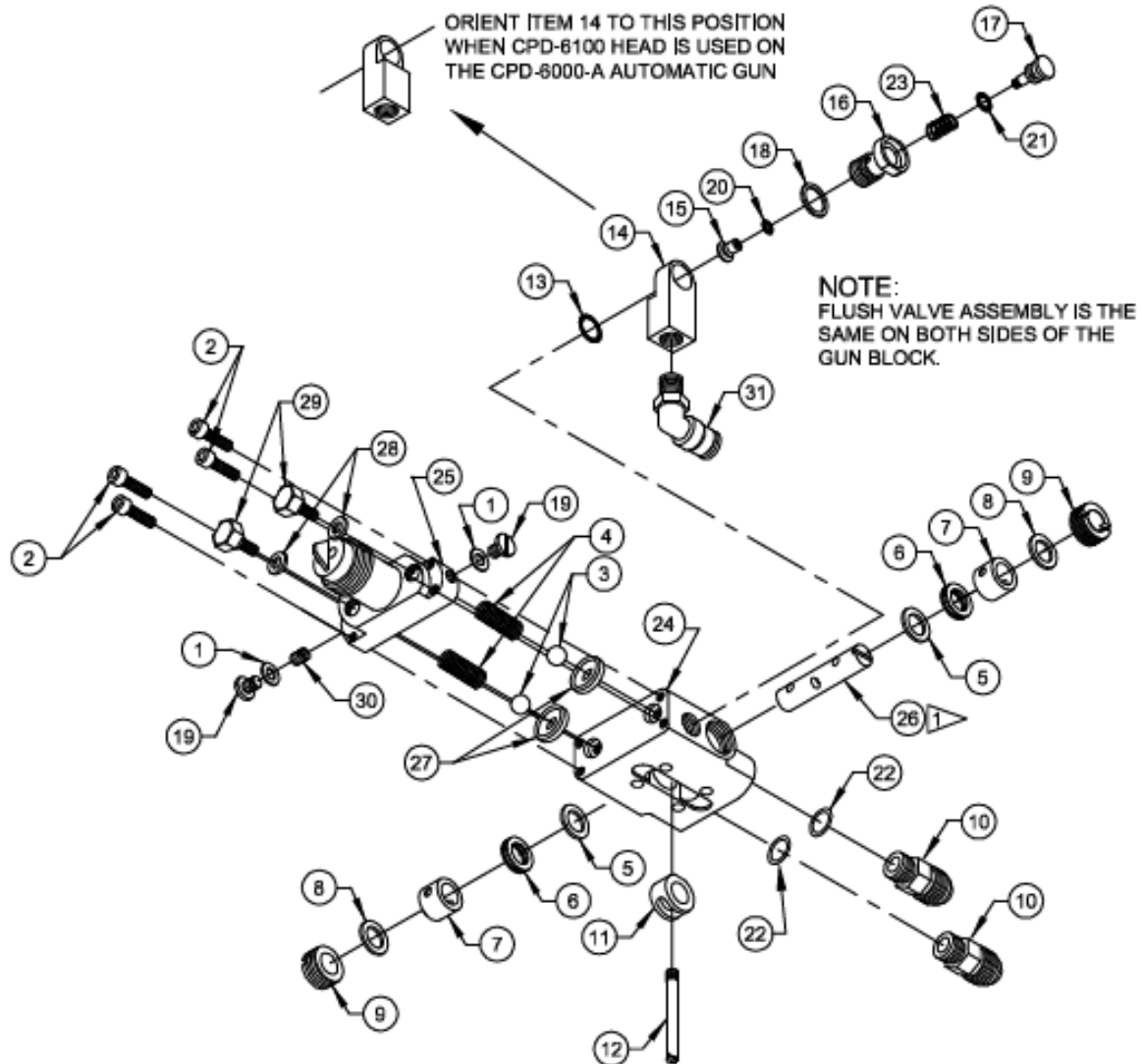
Pro Series Automatic Gun Actuator

CPD-5200-SILO

REV. - 08/15/07 BT2

Pro Series Gun Actuator CPD-5200-SILO**PARTS LIST**

ITEM	PART NO.	QTY	DESCRIPTION
1	O-V-013	2	O-RING
2	O-V-020	3	O-RING
3	5106-3-1	4	MOUNTING SEAL
4	PF-AP-02	1	ALLEN PLUG
5	58631-1	1	CYLINDER BODY ASSY
6	5106-2-1	1	ACTUATOR SEAL
7	5106-4-1	2	CYLINDER CAP
8	5106-7-1	1	ACTUATING PISTON
9	5106-5-1	1	BUSHING
10	5106-6-1	4	MOUNTING SCREW
11	PF-SE-02-BR	1	STREET ELBOW



MAGNUM VENUS PLASTECH

PRO DUO 1:1 GUN BLOCK

CPD-6100

REV - 03/12/08 BT2
REV A - ADDED ORIENTATION NOTE FOR ITEM 14 TO DRAWING 12/05/08 BT2

PRO DUO 1:1 GUN BLOCK CPD-6100

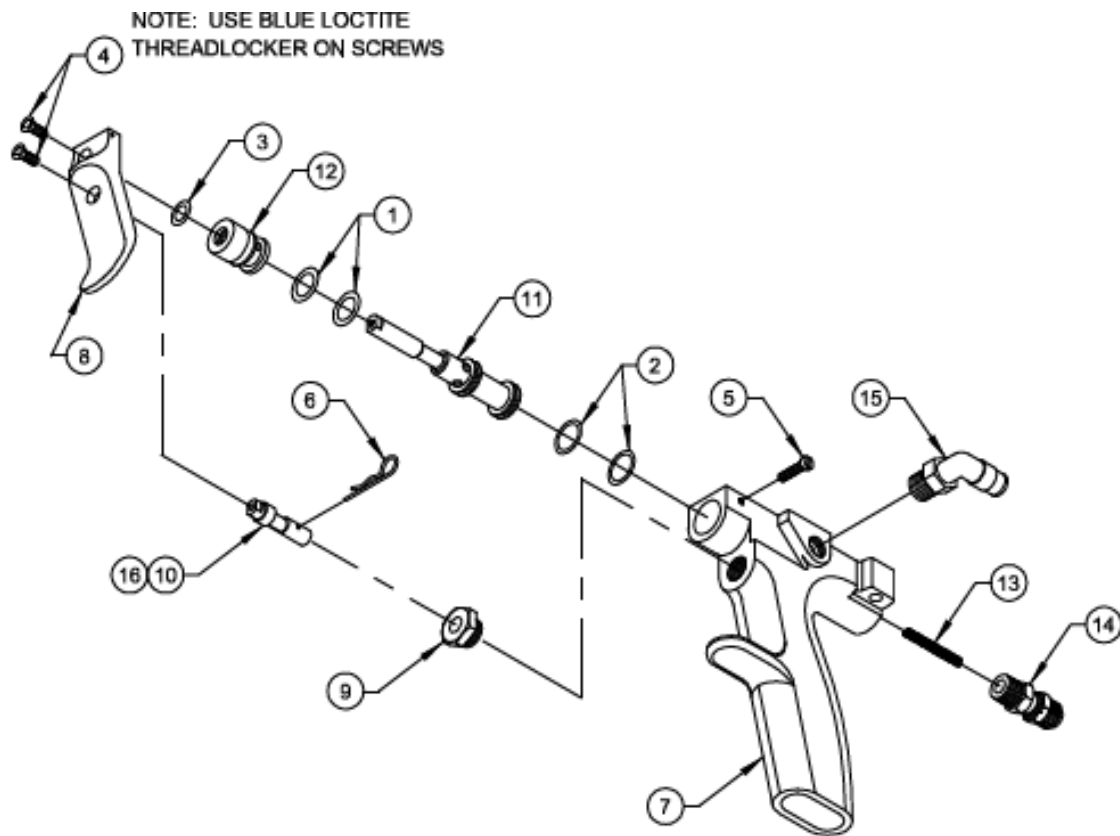
PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	02441-1	2	SEAL
2	F-CS-832-10-GR8	4	CAP SCREW
3	03199	2	BALL
4	04319	2	SPRING
5	5104-3-1	2	SECONDARY SEAL
6	5104-4-1	2	RELIEF SPACER
7	5104-5-1	2	RESIN SEAL
8	5104-7-1	2	PACKING RING
9	5104-8-1	2	PACKING NUT
10	VP-1066	2	INLET FITTING
11	5104-10-1	1	CENTER SPACER
12	5104-11-1	1	ACTUATING STEM
13	5104-21-1	2	FLUSH VALVE SPLIT SEAL
14	5104-22-2	2	FLUSH VALVE NECK
15	5104-23-1	2	FLUSH VALVE SEAL BODY
16	5104-24-1	2	FLUSH VALVE BODY
17	5104-25-1	2	FLUSH VALVE BUTTON
18	5104-26-1	2	FLUSH VALVE SEAL
19	7102-5-6	2	SCREW
20	O-E-007	2	O-RING *DO NOT GREASE THIS O-RING*
21	O-E-008	2	O-RING *DO NOT GREASE THIS O-RING*
22	O-E-3-904	2	O-RING
23	9203-2-3	2	SPRING
24	58691-1	1	1:1 GUN BLOCK
25	DUO-4101	1	MIX HOUSING
26	58693-1	1	VALVE ROD
27	58694-1	2	FACE SEAL
28	58695-1	2	PLUG SEAL
29	58696-1	2	PLUG
30	58752-4	1	4:1 FLOW RESTRICTOR
31	MPH-2539	2	POLY ELBOW

OPTIONAL PARTS AND ASSEMBLIES

ITEM	PART NO.	QTY	DESCRIPTION
7A	5104-29-01	1	ASSY - FILLED RESIN SEAL
30A	58752-2	1	2:1 FLOW RESTRICTOR
30B	58752-3	1	3:1 FLOW RESTRICTOR
30C	58752-5	1	5:1 FLOW RESTRICTOR
30D	58752-6	1	6:1 FLOW RESTRICTOR
30E	58752-7	1	7:1 FLOW RESTRICTOR
30F	58752-8	1	8:1 FLOW RESTRICTOR
30G	58752-9	1	9:1 FLOW RESTRICTOR
30H	58752-10	1	10:1 FLOW RESTRICTOR

1 58693-1 VALVE ROD MUST BE INSTALLED WITH THE SLOTTED END TO THE LEFT SIDE OF GUN BLOCK WITH ACTUATING STEM DOWN AS SHOWN ON DWG.



MAGNUM VENUS PLASTECH

Pro Handle Assembly - 1:1 Adhesive

CPD-6300

REV. 03-12-06 BT2
REV. A - ADDED ITEMS 9A AND 10A TO OPTIONAL EQUIPMENT 01-25-11 BT2
REV. B - ITEM 2 WAS C-U-012 05-06-11 BT2
REV. C - ITEM 15 WAS PTF90-02-02 08-31-13 BT2

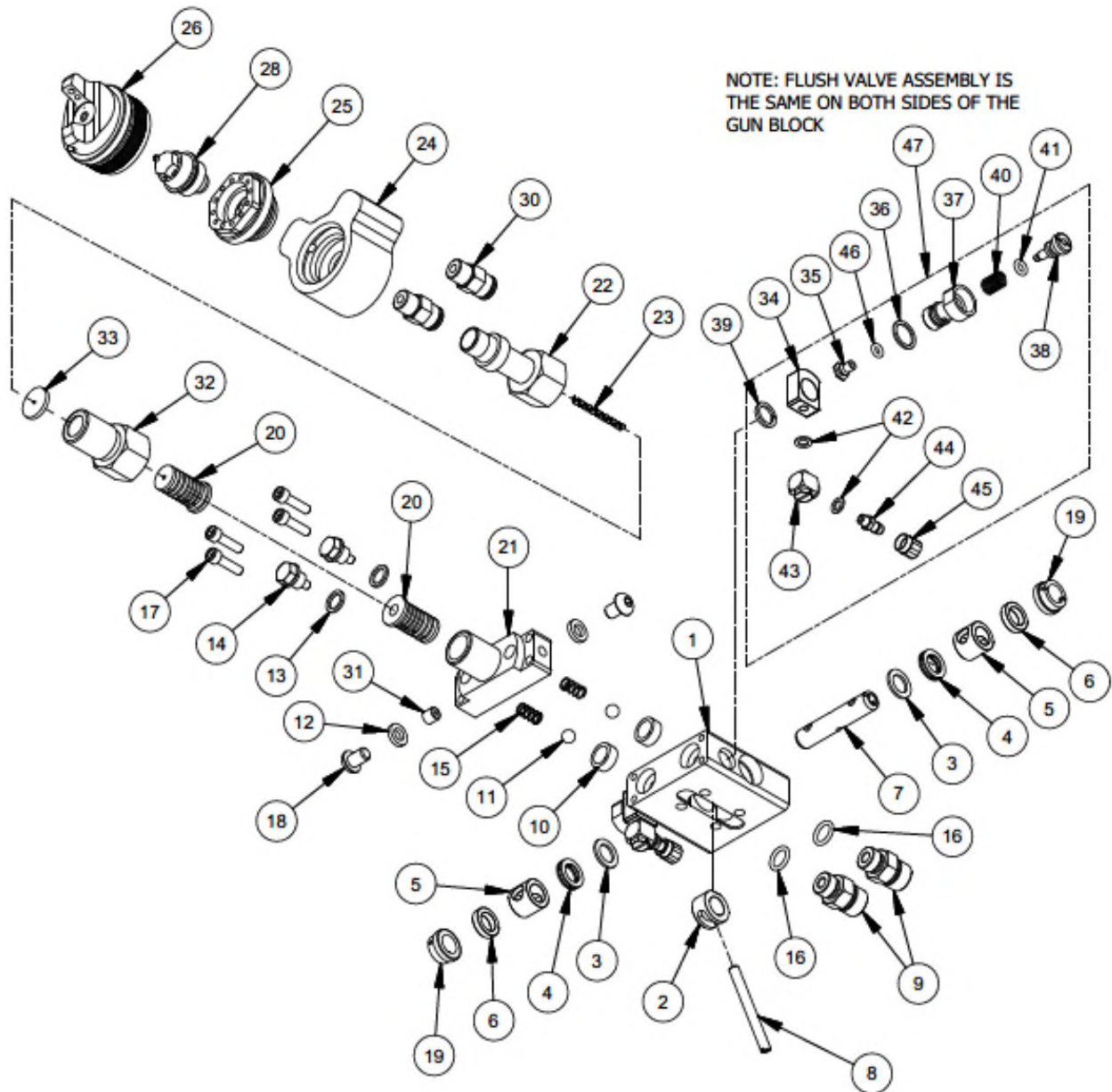
Pro Handle Assy - 1:1 Adhesive CPD-6300

PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	O-U-109	2	O-RING
2	O-U-011	2	O-RING
3	O-D-010	1	O-RING
4	02647-3	2	FLAT HEAD TORX SCREW
5	F-FS-540-08	1	SLOTTED FILLISTER HEAD SCREW
6	02970	1	HAIRPIN COTTER
7	58624-1	1	PRO GUN HANDLE
8	58625-1	1	PRO GUN TRIGGER
9	58628-1	1	TRIGGER GUIDE BUSHING
10	58629-1	1	TRIGGER GUIDE PIN
11	58647-1	1	TRIGGER VALVE ASSY
12	58648-1	1	TRIGGER RETAINER
13	04017	1	SPRING
14	5102-1-1	1	POLY FITTING
15	MPH-2539	1	POLY ELBOW

OPTIONAL PARTS AND ASSEMBLIES

ITEM	PART NO.	QTY	DESCRIPTION
9A	58628-1-SS	1	TRIGGER GUIDE BUSHING (STAINLESS)
10A	58629-1-SS	1	TRIGGER GUIDE PIN (STAINLESS)
16	58629-3	1	TRIGGER GUIDE PIN (NON LOCKING)



MAGNUM VENUS PLASTECH

PRO DUO GUN BLOCK

CPD-7100

REV: B 04/07/2015

SHEET 1 / 2

5/29/2014

Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	58691-1	1	1:1 GUN HEAD
2	5104-10-1	1	CENTER SPACER
3	5104-3-1	2	SECONDARY SEAL
4	5104-4-1	2	RELIEF SPACER
5	5104-5-1	2	RESIN SEAL
6	5104-7-1	2	PACKING RING
7	58693-1	1	VALVE ROD
8	5104-11-1	1	ACTUATING STEM
9	5104-9-1	2	RESIN FITTING
10	58694-1	2	CHECK FACE SEAL
11	03199	2	SS BALL
12	02441-1	2	SEAL - GUN HEAD PLUG
13	58695-1	2	PLUG SEAL
14	58696-1	2	PLUG
15	04319	2	COMPRESSION SPRING
16	O-E-3-904	2	O-RING
17	F-CS-832-10-GR8	4	SOCKET HEAD CAP SCREW
18	F-BHCS-04C-06	2	BUTTON HEAD CAP SCREW
19	5104-8-1	2	PACKING NUT
20	CPD-7013	2	COLLIDER MIXER
21	58692-3	1	MIX HOUSING
22	CPD-7012	1	MIXER HOUSING
23	CPD-7015	1	MIXER
24	CPD-7014-01	1	AIR CHAMBER
25	54-3543	1	HEAD INSERT
26	46-9703	1	AIR NOZZLE/RETAINING RING
28	45-9702	1	FLUID NOZZLE
30	07223	2	MALE CONNECTOR
31	58752-4	1	FLOW RESTRICTOR
32	85721-1-TSE	1	MIXER HOUSING
33	CPD-7017	1	PLUG SEAL
34	5104-22-1	2	FLUSH VALVE NECK
35	5104-23-1	2	FLUSH SEAL BODY
36	5104-26-1	2	FLUSH VALVE SEAL
37	5104-24-1	2	FLUSH VALVE BODY
38	5104-25-1	2	FLUSH VALVE BUTTON
39	5104-21-1	2	FLUSH VALVE SPLIT SEAL
40	9203-2-3	2	COMPRESSION SPRING
41	O-E-008	2	O-RING
42	7304-3-1	4	NYLON SEAL
43	TRU-1021	2	SWIVEL ELBOW FITTING
44	7701-6-3	2	10-32 BARBED FITTING
45	7701-2-1	2	HOSE CLAMP - POLY TUBE
46	O-A-007	2	O-RING

AVAILABLE SEPARATELY

47 5104-01-01-INT FLUSH VALVE

MAGNUM VENUS PLASTECH

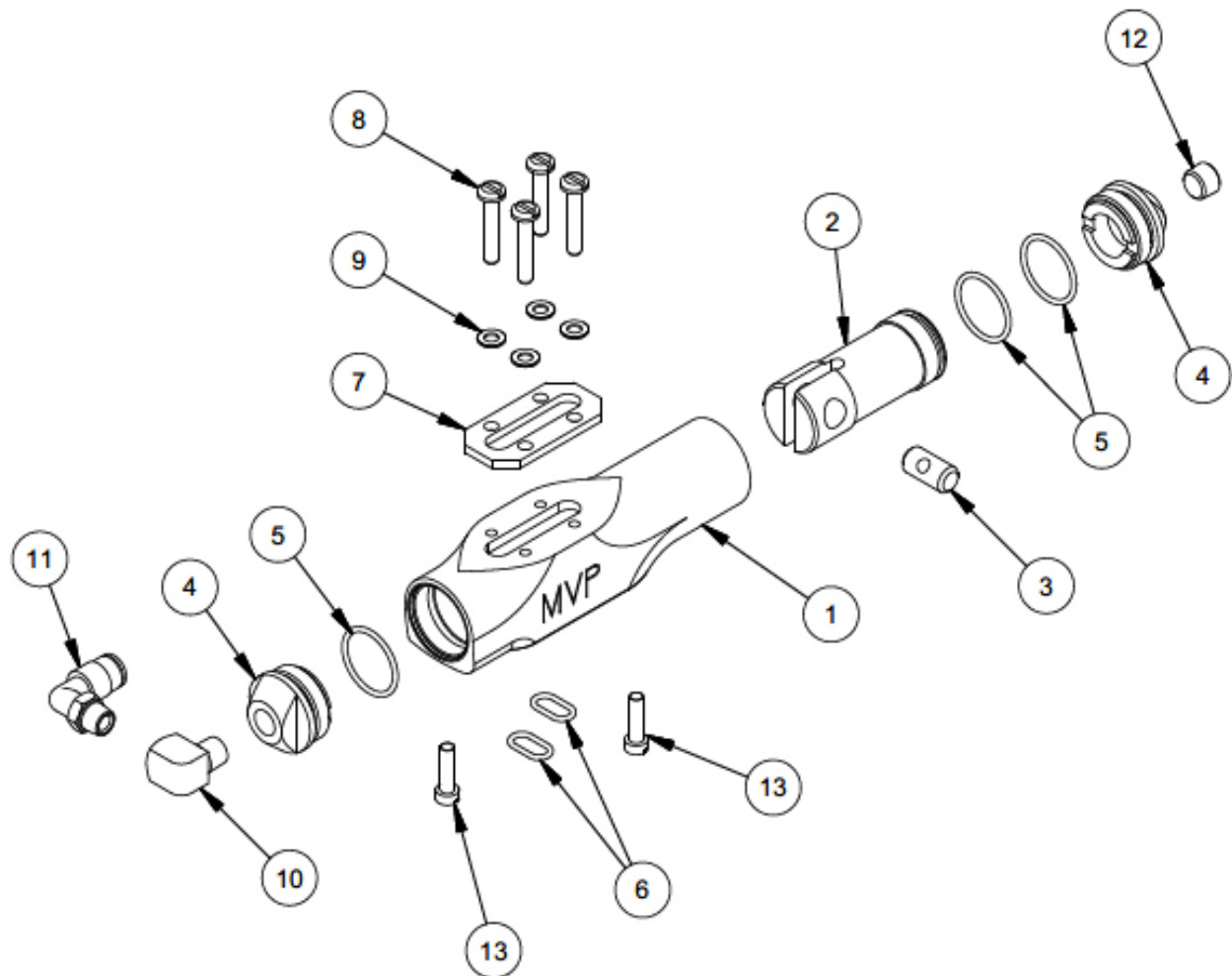
PRO DUO GUN BLOCK

CPD-7100

REV: B 04/07/2015

SHEET 2 / 2

5/29/2014



MAGNUM VENUS PLASTECH

ACTUATOR ASSEMBLY

CPD-7200

REV:

SHEET 1 / 2

4/23/2015

Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	58631-1	1	CYLINDER BODY - CLASSIC PRO
2	5106-7-1	1	ACTUATING PISTON
3	5106-5-1	1	ACTUATOR BUSHING
4	5106-4-1	2	CYLINDER CAP
5	O-V-020	3	O-RING
6	O-V-013	2	O-RING
7	5106-2-1	1	ACTUATOR SEAL
8	5106-6-1	4	MOUNTING SCREW
9	5106-3-1	4	MOUNTING SEAL
10	PF-SE-02-BR	1	STREET ELBOW
11	MPH-2539	1	MALE ELBOW
12	PF-AP-02	1	PIPE PLUG
13	58626-1	2	HANDLE MOUNTING SCREW

MAGNUM VENUS PLASTECH

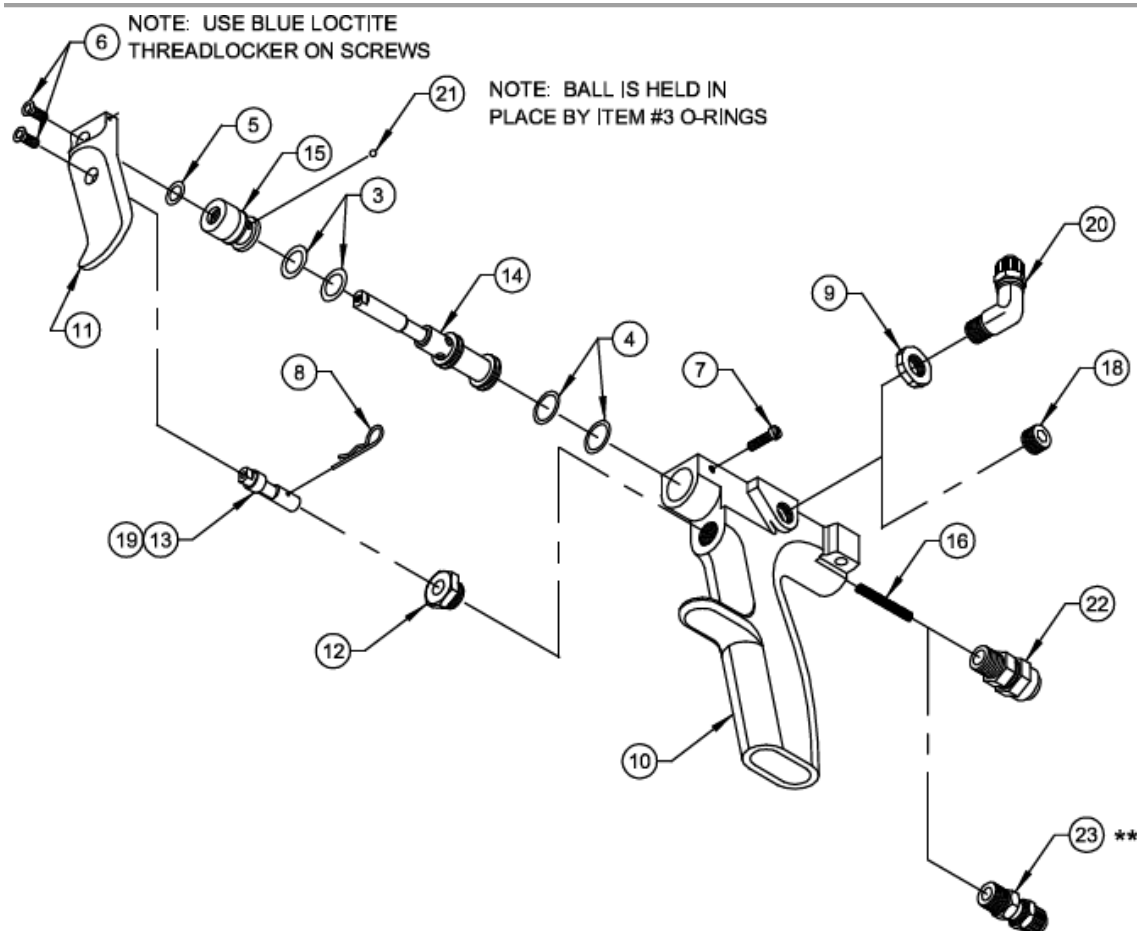
ACTUATOR ASSEMBLY

CPD-7200

REV:

SHEET 2 / 2

4/23/2015



NOTE: ITEM 21 MAY BE REMOVED ON GUNS WHEN STAGED TRIGGER IS NOT DESIRED (GELCOAT, WETOUT)

** NOTE: ITEM 23 IS INCLUDED FOR EXISTING GELCOAT AND WETOUT GUNS THAT USE 6504-1-0.5 1/4" POLY WHIP, AS WELL AS CPD GUNS WITH NO WHIP. NEW GELCOAT AND WETOUT GUNS USE 6506-1-0.5 3/8" POLY WHIP

MAGNUM VENUS PLASTECH

Chopper Handle Assembly - Pro Gun	58603-1
Gelcoat / Wetout Handle Assembly - Pro Gun	58603-3

REV. H = ADDED NOTE FOR ITEM 21, ADDED CPG-1007-CK TO OPTIONAL EQUIPMENT 04/28/09 BT2

REV. I = ADDED ITEMS 12A AND 13A TO OPTIONAL EQUIPMENT 01/25/11 BT2

REV. J = ITEM 4 WAS O-U-012 05/09/11 BT2

REV. K = ADDED ITEM 22 TO 58603-3 GELCOAT HANDLE ASSEMBLY, ADDED NOTE FOR ITEM 23 FOR EXISTING GUNS 03/28/18 BT2

Common Assembly Parts For
Chopper Handle Assy - Pro Gun 58603-1
Gelcoat / Wetout Handle Assy - Pro Gun 58603-3

PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
3	O-U-109	2	O-RING
4	O-U-011	2	O-RING
5	O-D-010	1	O-RING
6	02647-3	2	FLAT HEAD TORX SCREW
7	F-FS-540-08	1	SLOTTED FILLISTER HEAD SCREW
8	02970	1	HAIRPIN COTTER
10	58624-1	1	PRO GUN HANDLE
11	58625-1	1	PRO GUN TRIGGER
12	58628-1	1	TRIGGER GUIDE BUSHING
13	58629-1	1	TRIGGER GUIDE PIN
14	58647-1	1	TRIGGER VALVE ASSY
15	58648-1	1	TRIGGER RETAINER
16	04017	1	SPRING
21	03198	1	1/8" CHROME BALL

Chopper Handle Assy - Pro Gun 58603-1

PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
9	05500	1	PIPE THREAD SEAL
20	7701-6-18	1	MALE POLY ELBOW
22	00003-1	1	STRAIGHT POLY FITTING

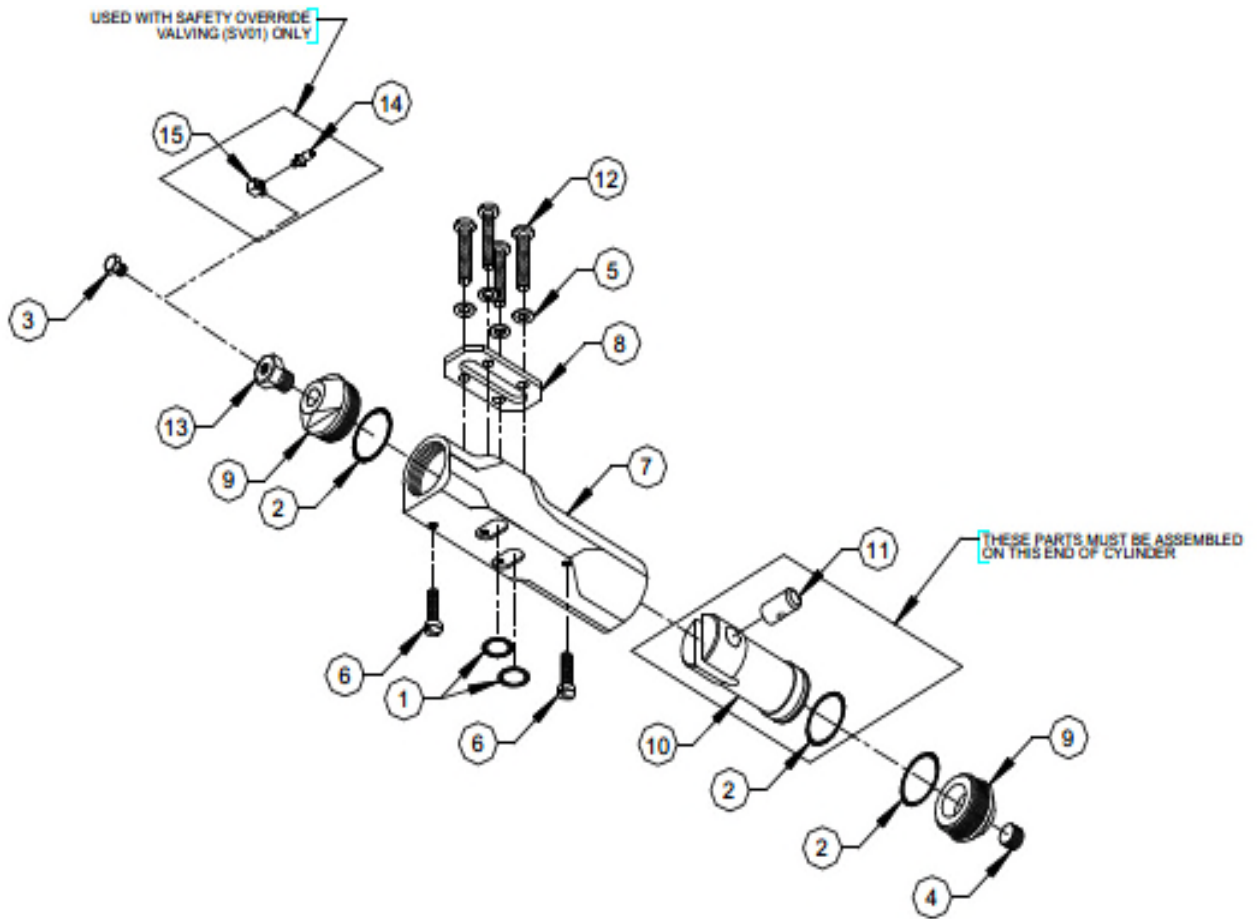
Gelcoat Handle Assy - Pro Gun 58603-3

PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
18	PF-AP-02	1	PIPE PLUG
22	00003-1	1	STRAIGHT POLY FITTING
23	5102-1-1	1	STRAIGHT POLY FITTING

OPTIONAL PARTS AND ASSEMBLIES

ITEM	PART NO.	QTY	DESCRIPTION
12A	58628-1-SS	1	TRIGGER GUIDE BUSHING (STAINLESS)
13A	58629-1-SS	1	TRIGGER GUIDE PIN (STAINLESS)
19	58629-3	1	TRIGGER GUIDE PIN (NON LOCKING)
	CPG-1007-CK	1	TRIGGER UPGRADE CONVERSION KIT



MAGNUM VENUS PLASTECH

Pro Series Gun Actuator Assembly

58604-1

Pro Series Gun Actuator Assembly with Signal

58604-1-S

REV. A = ADDED 58604-1-S ACTUATOR TO DRAWING 09/14/05
 REV. B = UPDATED ITEMS 1, 2, AND 3 TO ALPHA-NUMERIC, ITEM 14 WAS 7701-6-7 03/28/08 BT2

Pro Series Gun Actuator Assembly 58604-1

COMMON PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	O-V-013	2	O-RING
2	O-V-020	3	O-RING
4	PF-AP-02	1	1/8" PIPE PLUG
5	5106-3-1	4	MOUNTING SEAL
6	58626-1	2	MOUNTING SCREW
7	58631-1	1	CYLINDER BODY ASSY
8	5106-2-1	1	ACTUATOR SEAL
9	5106-4-1	2	CYLINDER CAP
10	5106-7-1	1	ACTUATING PISTON
11	5106-5-1	1	BUSHING
12	5106-6-1	4	MOUNTING SCREW
13	5102-2-1	1	SCREW - TRIGGER

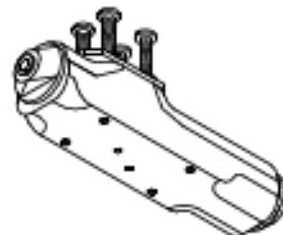
Actuator Assembly 58604-1

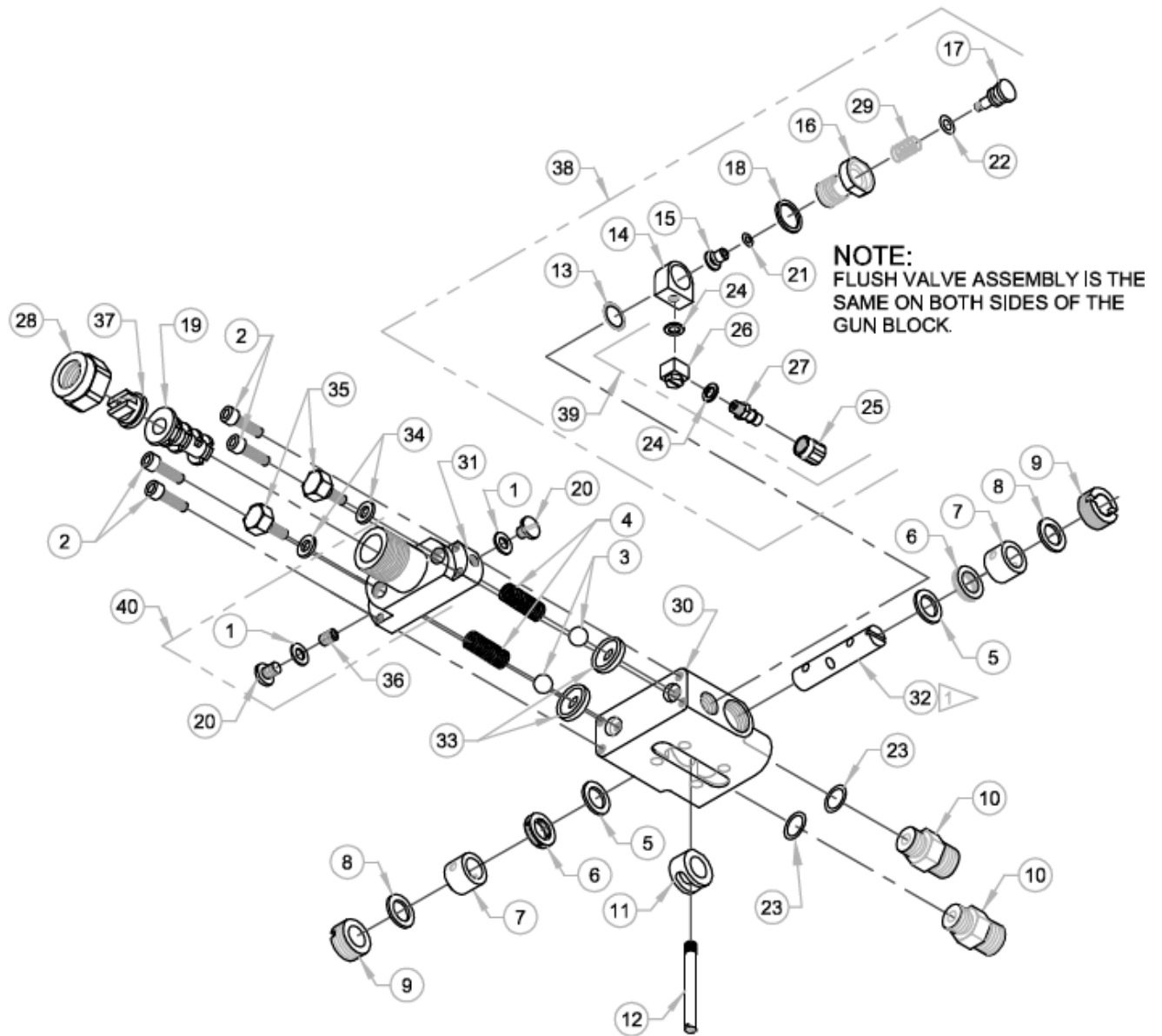
ITEM	PART NO.	QTY	DESCRIPTION
3	7701-4-6	1	HEX HEAD PLUG

Actuator Assembly w/ Signal 58604-1-S

ITEM	PART NO.	QTY	DESCRIPTION
14	7701-6-3	1	BARBED FITTING
15	7701-6-1	1	ELBOW

FIGURE 1-1





MAGNUM VENUS PLASTECH

ASSEMBLY - 1:1 GUN BLOCK

58751-1

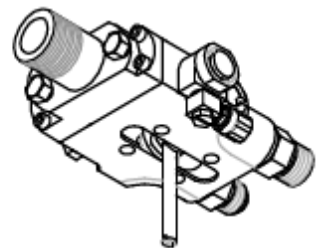
REV C = ITEM 22 WAS O-S-008A
 REV D = MOVED SLOT TO OPPOSITE END OF SPOOL, ITEM 32 8/5/04 JEM
 REV E = ITEM 39 WAS INCORRECTLY 5104-02-02 12/13/12 BT2
 REV F = UPDATED NUMBERS TO ALPHA-NUMERIC 08/31/13 BT2

ASSEMBLY - 1:1 GUN BLOCK 58751-1**PARTS LIST**

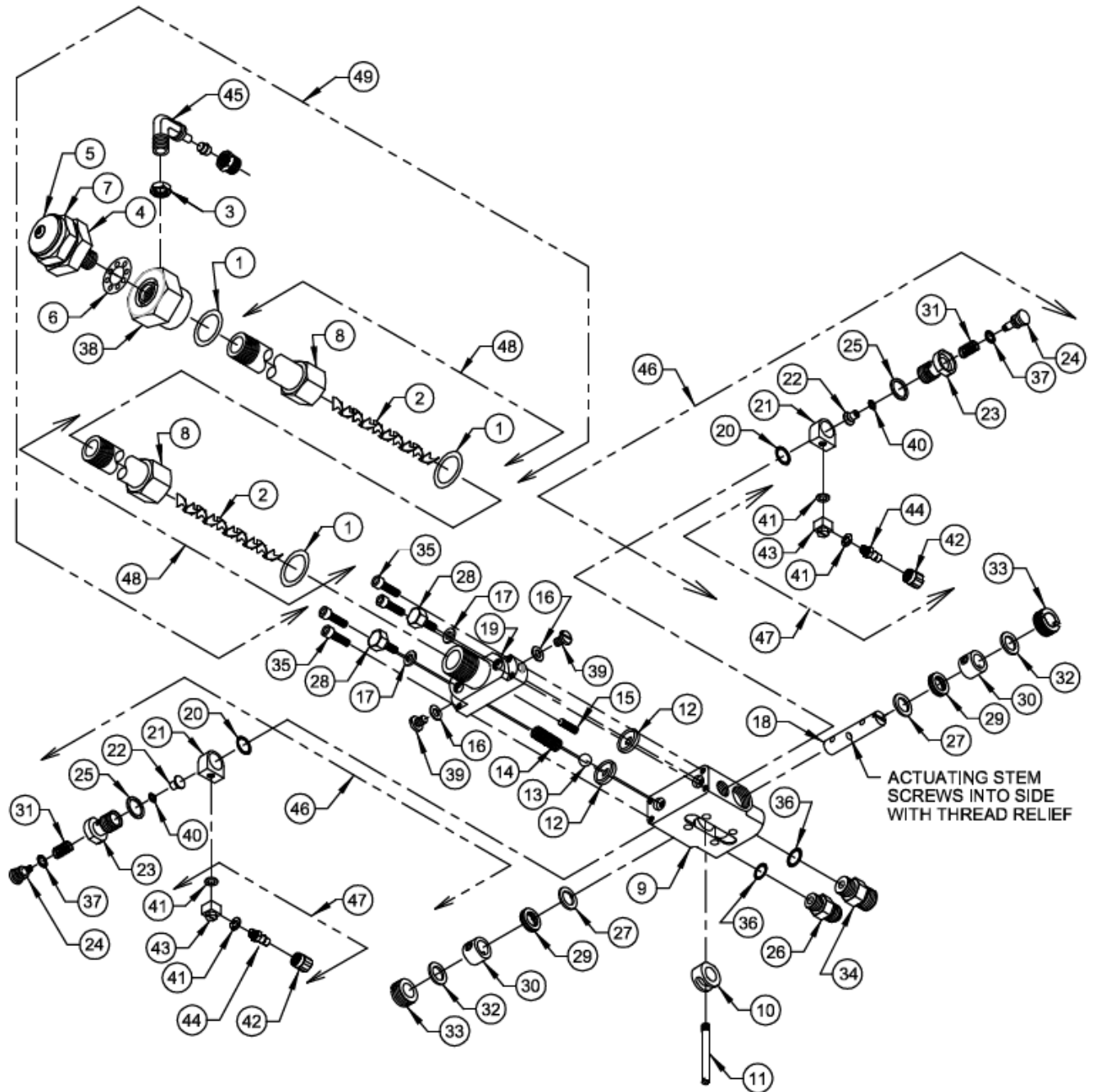
ITEM	PART NO.	QTY	DESCRIPTION
1	02441-1	2	SEAL
2	F-CS-832-10-GR8	4	SOCKET HEAD CAP SCREW
3	03199	2	BALL
4	04319	2	SPRING
5	5104-3-1	2	SECONDARY SEAL
6	5104-4-1	2	RELIEF SPACER
7	5104-5-1	2	RESIN SEAL
8	5104-7-1	2	PACKING RING
9	5104-8-1	2	PACKING NUT
10	5104-9-1	2	RESIN FITTING
11	5104-10-1	1	CENTER SPACER
12	5104-11-1	1	ACTUATING STEM
13	5104-21-1	2	FLUSH VALVE SPLIT SEAL
14	5104-22-1	2	FLUSH VALVE NECK
15	5104-23-1	2	FLUSH SEAL BODY
16	5104-24-1	2	FLUSH VALVE BODY
17	5104-25-1	2	FLUSH VALVE BUTTON
18	5104-26-1	2	FLUSH VALVE SEAL
19	5107-27-3	1	TURBULENT MIXER
20	F-BHCS-04C-06	2	SCREW
21	O-E-007	2	O - RING *DO NOT GREASE THIS O-RING*
22	O-E-008	2	O - RING *DO NOT GREASE THIS O-RING*
23	O-E-3-904	2	O - RING
24	7304-3-1	4	NYLON SEAL
25	7701-2-1	2	HOSE CLAMP
26	TRU-1021	2	ELBOW FITTING
27	7701-6-3	2	BARB FITTING
28	8704-4-1	1	NOZZLE CAP
29	9203-2-3	2	SPRING
30	58691-1	1	1:1 GUN BLOCK
31	58692-3	1	MIX HOUSING
32	58693-1	1	VALVE ROD
33	58694-1	2	FACE SEAL
34	58695-1	2	PLUG SEAL
35	58696-1	2	PLUG
36	58752-4	1	FLOW RESTRICTOR
37	FT-552	1	SPRAY NOZZLE

OPTIONAL PARTS AND ASSEMBLIES

ITEM	PART NO.	QTY	DESCRIPTION
38	5104-01-01	1	ASSY - FLUSH VALVE
39	5104-02-01	1	ASSY - FLUSH ELBOW
40	58692-1	1	ASSY - MIX HOUSING
15A	5104-29-01	1	ASSY - FILLED RESIN SEAL
36A	58752-2	1	2:1 FLOW RESTRICTOR
36B	58752-3	1	3:1 FLOW RESTRICTOR
36C	58752-4	1	4:1 FLOW RESTRICTOR
36D	58752-5	1	5:1 FLOW RESTRICTOR
36E	58752-6	1	6:1 FLOW RESTRICTOR
36F	58752-7	1	7:1 FLOW RESTRICTOR
36G	58752-8	1	8:1 FLOW RESTRICTOR
36H	58752-9	1	9:1 FLOW RESTRICTOR
36J	58752-10	1	10:1 FLOW RESTRICTOR

FIGURE 1-1

58693-1 VALVE ROD MUST BE INSTALLED WITH THE SLOTTED END TO THE LEFT SIDE OF GUN BLOCK WITH ACTUATING STEM DOWN AS SHOWN ON DWG.



MAGNUM VENUS PRODUCTS

GUN BLOCK ASSEMBLY - BPO PUTTY UNIT 58761-1

REV. A = D58761-1 WAS 12502-1

REV. B = ADDED 50058-1 ITEM 49 TO DWG. 9/20/02 JEM

REV. C = REMOVED INCORRECT ASSEMBLY NOTE, ITEM 37 WAS O-S-008A, ITEM 40 WAS O-S-007A, UPDATED NUMBERS TO ALPHA NUMERIC 10/21/14

D58761-1 REV. A 8-17-01

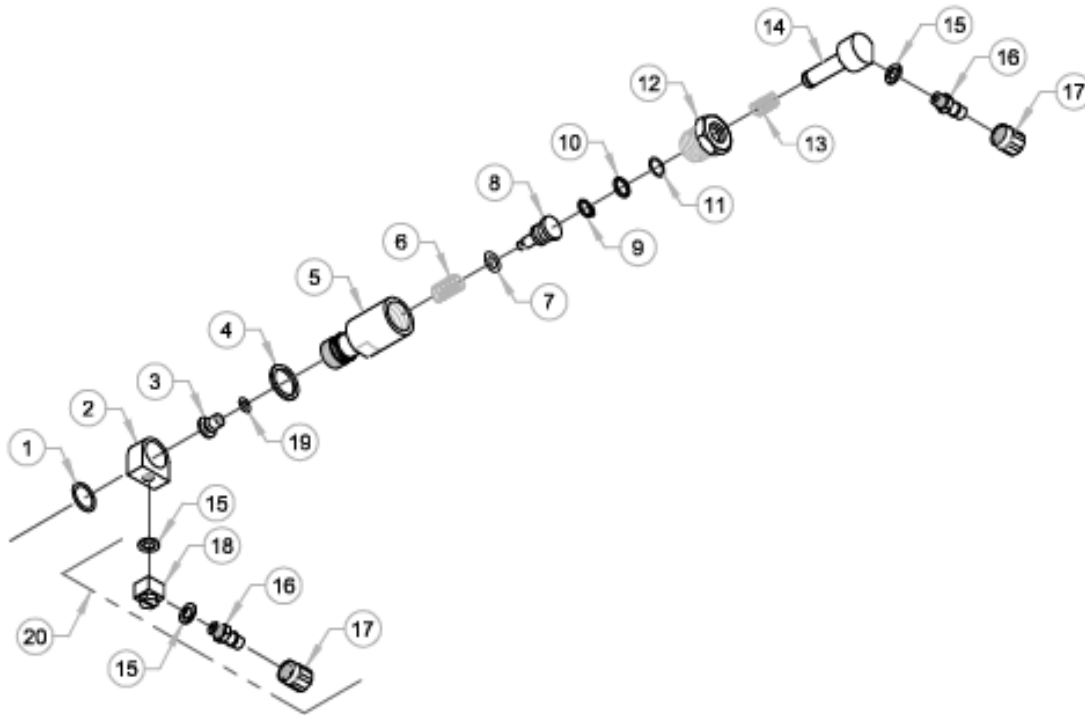
GUN BLOCK ASSY - BPO PUTTY UNIT 58761-1

PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	02030-1	3	SEAL
2	05244	2	3/8" STATIC MIXER
3	05500	1	PIPE THREAD SEAL
4	06284	1	FLUID CAP
5	06285	1	AIR CAP
6	06286	1	SEAL
7	06291	1	RETAINER RING
8	50056-1	2	MIXER HOUSING
9	58691-1	1	GUN BLOCK
10	5104-10-1	1	CENTER SPACER
11	5104-11-1	1	ACTUATING STEM
12	58694-1	2	CHECK FACE SEAL
13	03199	1	1/4" SS BALL
14	04319	1	SPRING
15	58752-4	1	FLOW RESTRICTOR BODY
16	02441-1	2	SEAL - GUN HEAD PLUG
17	58695-1	2	PLUG SEAL
18	58693-1	1	VALVE ROD
19	58692-3	1	MIX HOUSING
20	5104-21-1	2	FLUSH VALVE SPLIT SEAL
21	5104-22-1	2	FLUSH VALVE NECK
22	5104-23-1	2	FLUSH SEAL BODY
23	5104-24-1	2	FLUSH VALVE BODY
24	5104-25-1	2	FLUSH VALVE BUTTON
25	5104-26-1	2	FLUSH VALVE SEAL
26	HF-07F-04J-SS	1	BPO HOSE NIPPLE
27	5104-3-1	2	SECONDARY SEAL
28	58696-1	2	PLUG
29	5104-4-1	2	SPACER
30	5104-5-1	2	RESIN SEAL
31	9203-2-3	2	COMPRESSION SPRING
32	5104-7-1	2	PACKING RING
33	5104-8-1	2	PACKING NUT
34	5104-9-1	1	RESIN FITTING
35	F-CS-832-10-GR8	4	SOCKET HEAD CAP SCREW
36	O-E-3-904	2	O-RING
37	O-E-008	2	O-RING *DO NOT GREASE THIS O-RING*
38	58763-1	1	MIX HOUSING ADAPTER
39	02663-2	2	SOCKET BUTTON HEAD CAP SCREW
40	O-A-007	2	O-RING *DO NOT GREASE THIS O-RING*
41	7304-3-1	4	SEAL
42	7701-2-1	2	HOSE CLAMP
43	TRU-1021	2	ELBOW FITTING
44	7701-6-3	2	BARBED FITTING
45	7701-6-18	1	POLY ELBOW

OPTIONAL PARTS AND ASSEMBLIES

ITEM	PART NO.	QTY	DESCRIPTION
46	5104-01-01-INT	2	FLUSH VALVE ASSEMBLY
47	5104-02-01	2	FLUSH ELBOW ASSEMBLY
48	50055-1	2	MIXER TUBE ASSEMBLY
49	50058-1	1	MIXER HOUSING W / FITTING ASSEMBLY



MAGNUM VENUS PLASTECH

Automatic Flush Valve Assembly

58742-1

REV - 08-11-07 BT2
 REV A - ADDED THREADLOCKER NOTE 10-12-08 BT2
 REV B - REMOVED THREADLOCKER NOTE 11-23-13 BT2

Automatic Flush Valve Assembly 58742-1

PARTS LIST

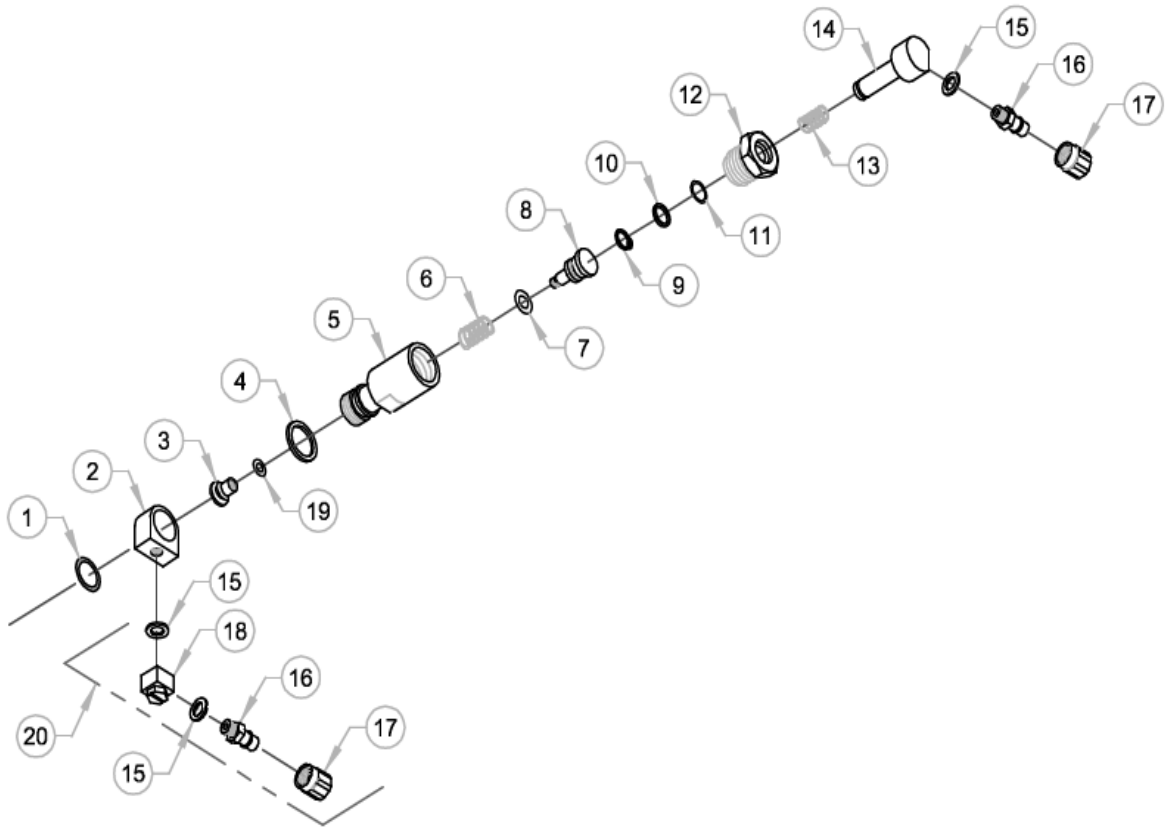
ITEM	PART NO.	QTY	DESCRIPTION
1	5104-21-1	1	FLUSH VALVE SPLIT SEAL
2	5104-22-1	1	FLUSH VALVE NECK
3	5104-23-1	1	FLUSH SEAL BODY
4	5104-26-1	1	FLUSH VALVE SEAL
5	58681-1	1	FLUSH VALVE BODY
6	9203-2-3	1	COMPRESSION SPRING
7	O-E-008	1	O-RING
8	5104-25-1	1	FLUSH VALVE BUTTON
9	00973	1	GRIP RING
10	58718-1	1	BACK UP RING
11	O-B-010	1	O-RING
12	58717-1	1	MANUAL / AUTO FLUSH BODY
13	04356	1	SPRING
14	58716-1	1	PUSH STEM
15	7304-3-1	3	NYLON SEAL
16	7701-6-3	2	BARB FITTING
17	7701-2-1	2	HOSE CLAMP
18	TRU-1021	1	ELBOW FITTING
19	O-E-007	1	O-RING

OPTIONAL PARTS AND ASSEMBLIES

ITEM	PART NO.	QTY	DESCRIPTION
20	5104-02-01	1	FLUSH ELBOW ASSEMBLY

FIGURE 1-1





MAGNUM VENUS PLASTECH

Automatic Flush Valve Assembly

58742-1-INT

REV - 07-19-10 BT2

REV A - REMOVED THREADLOCKER NOTE 11-23-13 BT2

Automatic Flush Valve Assembly 58742-1-INT

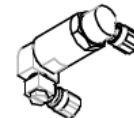
PARTS LIST

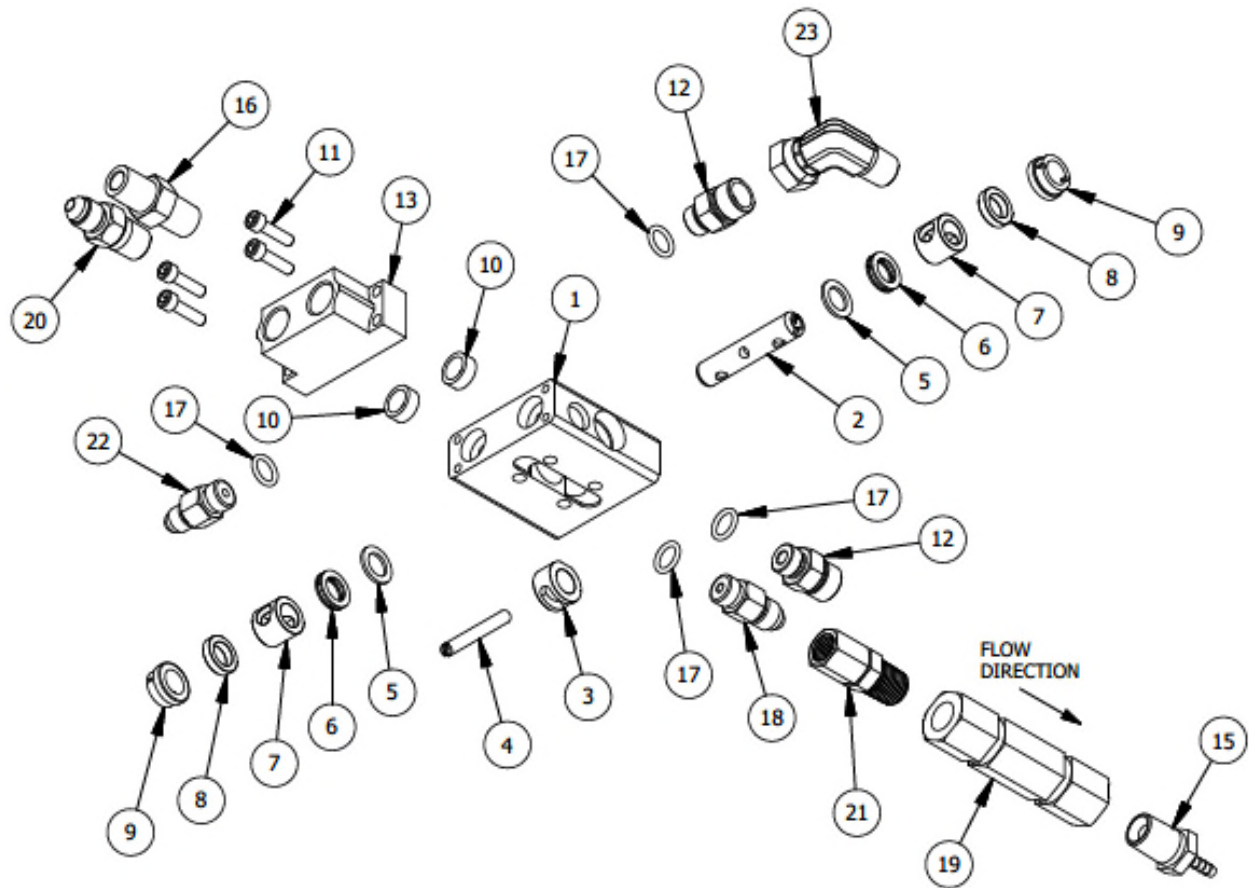
ITEM	PART NO.	QTY	DESCRIPTION
1	5104-21-1	1	FLUSH VALVE SPLIT SEAL
2	5104-22-1	1	FLUSH VALVE NECK
3	5104-23-1	1	FLUSH SEAL BODY
4	5104-26-1	1	FLUSH VALVE SEAL
5	58681-1	1	FLUSH VALVE BODY
6	9203-2-3	1	COMPRESSION SPRING
7	O-E-008	1	O-RING
8	5104-25-1	1	FLUSH VALVE BUTTON
9	00973	1	GRIP RING
10	58718-1	1	BACK UP RING
11	O-B-010	1	O-RING
12	58717-1	1	MANUAL / AUTO FLUSH BODY
13	04356	1	SPRING
14	58716-1	1	PUSH STEM
15	7304-3-1	3	NYLON SEAL
16	7701-6-3	2	BARB FITTING
17	7701-2-1	2	HOSE CLAMP
18	TRU-1021	1	ELBOW FITTING
19	O-A-007	1	O-RING

OPTIONAL PARTS AND ASSEMBLIES

ITEM	PART NO.	QTY	DESCRIPTION
20	5104-02-01	1	FLUSH ELBOW ASSEMBLY

FIGURE 1-1





MAGNUM VENUS PRODUCTS

RECIRCULATION GUN BLOCK

PRTM-RG-1100

REV:D 03/23/2016

SHEET 1 / 2

8/10/2009

Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	58691-1	1	1:1 GUN HEAD
2	58693-1	1	VALVE ROD
3	5104-10-1	1	CENTER SPACER
4	5104-11-1	1	ACTUATING STEM
5	5104-3-1	2	SECONDARY SEAL
6	5104-4-1	2	RELIEF SPACER
7	5104-5-1	2	RESIN SEAL
8	5104-7-1	2	PACKING RING
9	5104-8-1	2	PACKING NUT
10	58694-1	2	CHECK FACE SEAL
11	F-CS-832-10-GR8	4	SOCKET HEAD CAP SCREW
12	5104-9-1	2	RESIN FITTING
13	DUO-4201	1	SEPARATE STREAM BLOCK
15	CPRV-1002-A	1	CPRV HOSE FITTING
16	PF-HN-04	1	HEX NIPPLE
17	O-E-3-904	4	O-RING
18	HF-07F-04J-SS	1	HOSE FITTING
19	CV-INV-04-SS	1	ADJUSTABLE CHECK VALVE
20	PF-HN-04-04J-SS	1	HEX NIPPLE
21	PF-SW-04-04J-SS	1	PIPE SWIVEL
22	HF-07F-03J-SS	1	HOSE FITTING
23	PF-SE-SW-04	1	SWIVEL STREET ELBOW

MAGNUM VENUS PRODUCTS

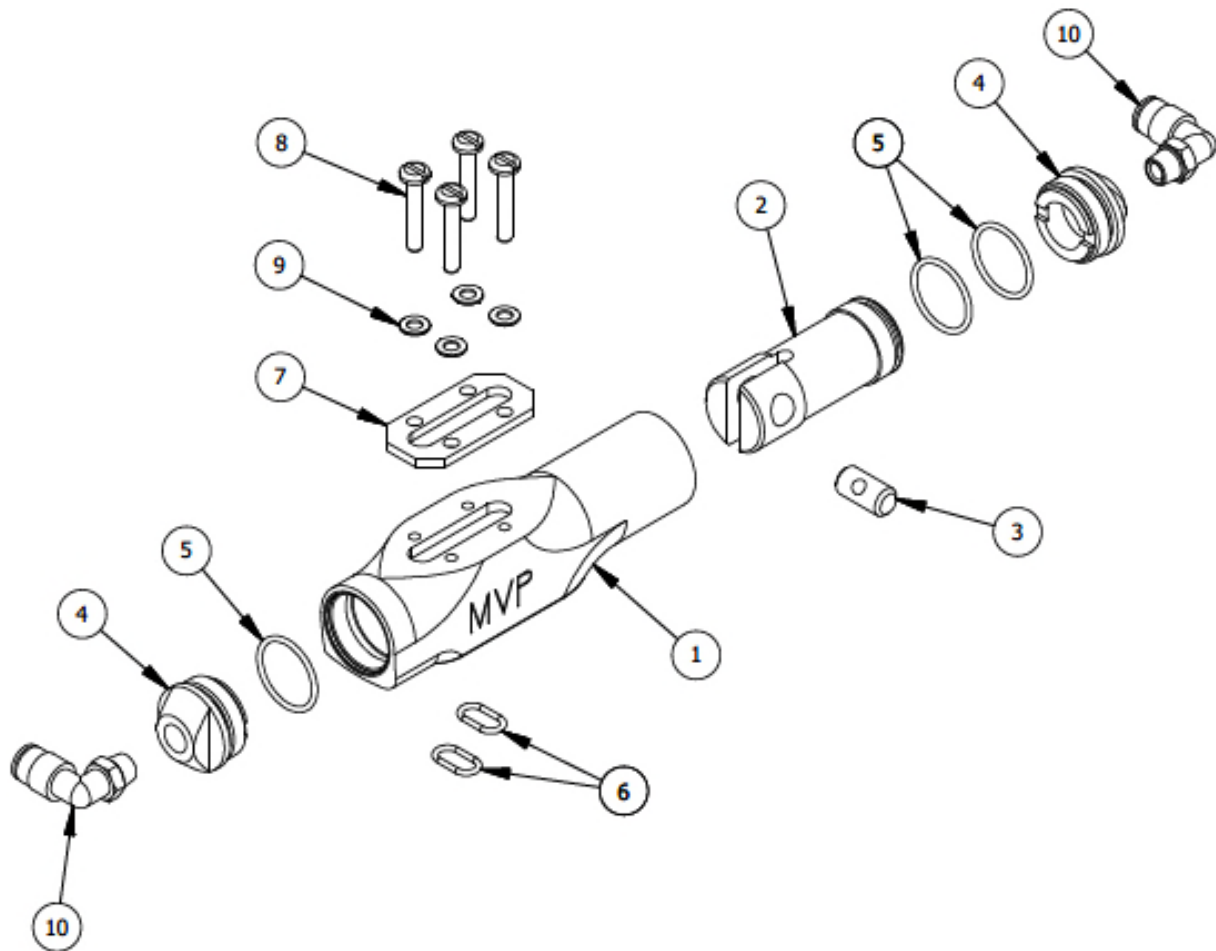
RECIRCULATION GUN BLOCK

PRTM-RG-1100

REV:D 03/23/2016

SHEET 2 / 2

8/10/2009



MAGNUM VENUS PLASTECH

ACTUATOR ASSEMBLY

PRTM-RG-1200-A

REV:

SHEET 1 / 2

8/10/2009

Parts List			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	58631-1	1	CYLINDER BODY ASSY. - CLASSIC PRO
2	5106-7-1	1	ACTUATING PISTON
3	5106-5-1	1	ACTUATOR BUSHING
4	5106-4-1	2	CYLINDER CAP
5	O-V-020	3	O-RING
6	O-V-013	2	O-RING
7	5106-2-1	1	ACTUATOR SEAL
8	5106-6-1	4	MOUNTING SCREW
9	5106-3-1	4	MOUNTING SEAL
10	MPH-2539	2	MALE ELBOW

MAGNUM VENUS PLASTECH

ACTUATOR ASSEMBLY













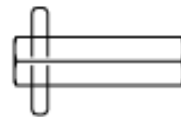







PRTM-RG-1200-A

REV:


SHEET 2 / 2

8/10/2009

CPD-4000-A-RK
MAJOR REPAIR KIT – PRO DUO GUN


2 PC		O-B-010 O-RING	6 PCS		7304-3-1 NYLON SEAL
2 PC		O-E-007 O-RING	2 PC		5104-21-1 SPLIT SEAL
2 PC		O-E-008 O-RING *DO NOT GREASE THIS O-RING*			
2 PC		O-E-3-904 O-RING	2 PCS		5104-7-1 PACKING RING
2 PCS		O-V-013 O-RING	2 PC		5104-5-1 TEFLON RESIN SEAL
3 PCS		O-V-020 O-RING	1 PC		5107-27-3 TURBULENT MIXER
2 PCS		58694-1 FACE SEAL	1 PC		6705-1-1 PACKING BIT
2 PCS		58695-1 PLUG SEAL	2 PCS		02441-1 SEAL
4 PCS		5106-3-1 GUN BLOCK SEAL	2 PCS		03199 STAINLESS BALL 1/4"
2 PCS		5104-3-1 SECONDARY SEAL	2 PCS		04319 STAINLESS SPRING
2 PC		5104-26-1 FLUSH VALVE SEAL			


CPD-4000-A-INV-RK
REPAIR KIT


4 PC  O-E-3-904 O-RING


2 PCS  O-V-013 O-RING


3 PCS  O-V-020 O-RING


2 PCS  58694-1 FACE SEAL

2 PCS  5104-7-1 PACKING RING


2 PC  5104-5-1 TEFLON RESIN SEAL

4 PCS  5106-3-1 GUN BLOCK SEAL

2 PCS  5104-3-1 SECONDARY SEAL

1 PC  6705-1-1 PACKING BIT


CPD-4000-A-INV-RK
REPAIR KIT


4 PC  O-E-3-904 O-RING

2 PCS  O-V-013 O-RING


3 PCS  O-V-020 O-RING

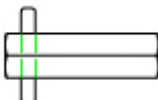
2 PCS  58694-1 FACE SEAL

2 PCS  5104-7-1 PACKING RING









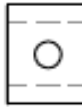


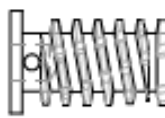

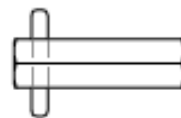








2 PC  5104-5-1 TEFLON RESIN SEAL

4 PCS  5106-3-1 GUN BLOCK SEAL




















2 PCS  5104-3-1 SECONDARY SEAL

1 PC  6705-1-1 PACKING BIT






















CPD-4000-RK
MAJOR REPAIR KIT – PRO DUO GUN

2 PC		O-E-007 O-RING			
2 PC		O-E-008 O-RING *DO NOT GREASE THIS O-RING*	4 PCS		7304-3-1 NYLON SEAL
2 PC		O-E-3-904 O-RING	2 PC		5104-21-1 SPLIT SEAL
1 PC		O-D-010 O-RING	2 PCS		5104-7-1 PACKING RING
2 PCS		O-U-011 O-RING	2 PC		5104-5-1 TEFLON RESIN SEAL
2 PCS		O-U-109 O-RING			
2 PCS		O-V-013 O-RING	1 PC		5107-27-3 TURBULENT MIXER
3 PCS		O-V-020 O-RING	1 PC		6705-1-1 PACKING BIT
2 PCS		58694-1 FACE SEAL	2 PCS		02441-1 SEAL
2 PCS		58695-1 PLUG SEAL	2 PCS		03199 STAINLESS BALL 1/4"
4 PCS		5106-3-1 GUN BLOCK SEAL	2 PCS		04319 STAINLESS SPRING
2 PCS		5104-3-1 SECONDARY SEAL			
2 PC		5104-26-1 FLUSH VALVE SEAL			






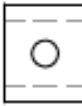











CPD-5000-A-RK
MAJOR REPAIR KIT – PRO DUO GUN

2 PC		O-B-010 O-RING	2 PC		5104-21-1 SPLIT SEAL
2 PC		O-E-007 O-RING			
2 PC		O-E-008 O-RING *DO NOT GREASE THIS O-RING*	2 PCS		5104-7-1 PACKING RING
2 PC		O-E-3-904 O-RING	2 PC		5104-5-1 TEFLON RESIN SEAL
2 PCS		O-V-013 O-RING	1 PC		6705-1-1 PACKING BIT
3 PCS		O-V-020 O-RING	2 PCS		02441-1 SEAL
2 PCS		58694-1 FACE SEAL	2 PCS		03199 STAINLESS BALL 1/4"
2 PCS		58695-1 PLUG SEAL	2 PCS		04319 STAINLESS SPRING
4 PCS		5106-3-1 GUN BLOCK SEAL			
2 PCS		5104-3-1 SECONDARY SEAL			
2 PC		5104-26-1 FLUSH VALVE SEAL			
6 PCS		7304-3-1 NYLON SEAL			



















CPD-5000-RK
MAJOR REPAIR KIT – PRO DUO GUN

2 PC		O-E-007 O-RING	4 PCS		7304-3-1 NYLON SEAL
2 PC		O-E-008 O-RING *DO NOT GREASE THIS O-RING*			
2 PC		O-E-3-904 O-RING	2 PC		5104-21-1 SPLIT SEAL
1 PC		O-D-010 O-RING	2 PCS		5104-7-1 PACKING RING
2 PCS		O-U-011 O-RING			
2 PCS		O-U-109 O-RING	2 PC		5104-5-1 TEFLON RESIN SEAL
2 PCS		O-V-013 O-RING	1 PC		6705-1-1 PACKING BIT
3 PCS		O-V-020 O-RING	2 PCS		02441-1 SEAL
2 PCS		58694-1 FACE SEAL	2 PCS		03199 STAINLESS BALL 1/4"
2 PCS		58695-1 PLUG SEAL	2 PCS		04319 STAINLESS SPRING
4 PCS		5106-3-1 GUN BLOCK SEAL			
2 PCS		5104-3-1 SECONDARY SEAL			
2 PC		5104-26-1 FLUSH VALVE SEAL			








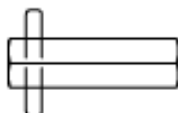









CPD-5000-SILO-RK
MAJOR REPAIR KIT – PRO DUO GUN

2 PC		O-E-3-904 O-RING		
1 PC		O-D-010 O-RING		
2 PCS		O-S-012 O-RING	2 PCS	 5104-7-1 PACKING RING
2 PCS		O-U-011 O-RING	2 PC	 5104-5-1 TEFLON RESIN SEAL
2 PCS		O-U-109 O-RING		
2 PCS		O-V-013 O-RING	1 PC	 6705-1-1 PACKING BIT
3 PCS		O-V-020 O-RING	2 PCS	 02441-1 SEAL
2 PCS		58694-1 FACE SEAL	2 PCS	 03199 STAINLESS BALL 1/4"
2 PCS		58695-1 PLUG SEAL	2 PCS	 04319 STAINLESS SPRING
4 PCS		5106-3-1 GUN BLOCK SEAL		
2 PCS		5104-3-1 SECONDARY SEAL		





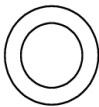

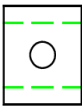


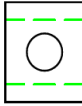

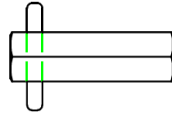
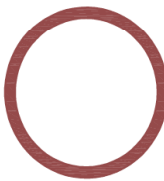









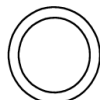
CPD-5000-SNZ-RK
MAJOR REPAIR KIT – PRO DUO GUN

2 PCS		O-E-012 O-RING (PACKAGE IN SEPARATE BAG) (REPLACES BLACK O-RING ON F-SP-07F PLUG)		
2 PC		O-E-3-904 O-RING	2 PCS	 5104-7-1 PACKING RING
1 PC		O-D-010 O-RING		
2 PCS		O-U-011 O-RING	2 PC	 5104-5-1 TEFLON RESIN SEAL
2 PCS		O-U-109 O-RING	1 PC	 6705-1-1 PACKING BIT
2 PCS		O-V-013 O-RING	2 PCS	 02441-1 SEAL
3 PCS		O-V-020 O-RING	2 PCS	 03199 STAINLESS BALL 1/4"
2 PCS		58694-1 FACE SEAL	2 PCS	 04319 STAINLESS SPRING
2 PCS		58695-1 PLUG SEAL		
4 PCS		5106-3-1 GUN BLOCK SEAL	1 PC	 O-E-026 O-RING
2 PCS		5104-3-1 SECONDARY SEAL		








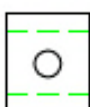

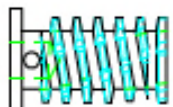

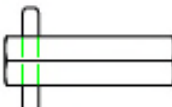










CPD-6000-A-RK
MAJOR REPAIR KIT – PRO DUO GUN

2 PC		O-E-007 O-RING	2 PC		5104-21-1 SPLIT SEAL
2 PC		O-E-008 O-RING *DO NOT GREASE THIS O-RING*	2 PCS		5104-7-1 PACKING RING
2 PC		O-E-3-904 O-RING	2 PC		5104-5-1 TEFLON RESIN SEAL
2 PCS		O-V-013 O-RING	1 PC		6705-1-1 PACKING BIT
3 PCS		O-V-020 O-RING	2 PCS		02441-1 SEAL
2 PCS		58694-1 FACE SEAL	2 PCS		03199 STAINLESS BALL 1/4"
2 PCS		58695-1 PLUG SEAL	2 PCS		04319 STAINLESS SPRING
4 PCS		5106-3-1 GUN BLOCK SEAL			
2 PCS		5104-3-1 SECONDARY SEAL			
2 PC		5104-26-1 FLUSH VALVE SEAL			










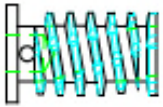

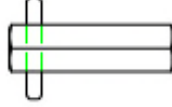







CPD-6000-HO-RK
MAJOR REPAIR KIT – PRO DUO GUN

2 PC		O-E-007 O-RING	2 PC		5104-21-1 SPLIT SEAL
2 PC		O-E-008 O-RING *DO NOT GREASE THIS O-RING*			
2 PC		O-E-3-904 O-RING	2 PCS		5104-7-1 PACKING RING
1 PC		O-D-010 O-RING	1 PC		5104-5-1 TEFLON RESIN SEAL
2 PCS		O-U-011 O-RING			
2 PCS		O-U-109 O-RING	1 PC		5104-5-1-HO TEFLON RESIN SEAL
2 PCS		O-V-013 O-RING	1 PC		6705-1-1 PACKING BIT
3 PCS		O-V-020 O-RING	1 PC		02441-1 SEAL
1 PC		58694-1 FACE SEAL	1 PC		03199 STAINLESS BALL 1/4"
1 PC		58694-1-HO FACE SEAL	1 PC		ALS-2018 STAINLESS BALL 11/32"
3 PCS		58695-1 PLUG SEAL	2 PCS		04319 STAINLESS SPRING
4 PCS		5106-3-1 GUN BLOCK SEAL			
2 PCS		5104-3-1 SECONDARY SEAL			
2 PC		5104-26-1 FLUSH VALVE SEAL			








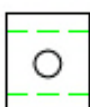

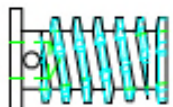

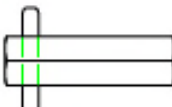










CPD-8000-RK
MAJOR REPAIR KIT — PRO DUO GUN

2 PC		O-E-3-904 O-RING	1 PC		7304-3-1 NYLON SEAL
1 PC		O-D-010 O-RING	2 PC		5104-21-1 SPLIT SEAL
2 PCS		O-U-011 O-RING	2 PCS		5104-7-1 PACKING RING
2 PCS		O-U-109 O-RING	2 PC		5104-5-1 TEFLON RESIN SEAL
2 PCS		O-V-013 O-RING	2 PCS		5107-27-3 TURBULENT MIXER
3 PCS		O-V-020 O-RING	1 PC		6705-1-1 PACKING BIT
1 PC		02030-1 SEAL	2 PCS		02441-1 SEAL
1 PC		02149-1 NOZZLE SEAL	2 PCS		03199 STAINLESS BALL 1/4"
2 PCS		58694-1 FACE SEAL	2 PCS		04319 STAINLESS SPRING
2 PCS		58695-1 PLUG SEAL			
4 PCS		5106-3-1 GUN BLOCK SEAL			
2 PCS		5104-3-1 SECONDARY SEAL			
2 PC		5104-26-1 FLUSH VALVE SEAL			
















CPD-8000-A-RK
MAJOR REPAIR KIT – PRO DUO GUN

2 PC		O-E-3-904 O-RING	1 PC		7304-3-1 NYLON SEAL
2 PCS		O-V-013 O-RING	2 PC		5104-21-1 SPLIT SEAL
3 PCS		O-V-020 O-RING	2 PCS		5104-7-1 PACKING RING
1 PC		02030-1 SEAL	2 PC		5104-5-1 TEFLON RESIN SEAL
1 PC		02149-1 NOZZLE SEAL	2 PCS		5107-27-3 TURBULENT MIXER
2 PCS		58694-1 FACE SEAL	1 PC		6705-1-1 PACKING BIT
2 PCS		58695-1 PLUG SEAL	2 PCS		02441-1 SEAL
4 PCS		5106-3-1 GUN BLOCK SEAL	2 PCS		03199 STAINLESS BALL 1/4"
2 PCS		5104-3-1 SECONDARY SEAL	2 PCS		04319 STAINLESS SPRING
2 PC		5104-26-1 FLUSH VALVE SEAL			
















CPD-8000-RK
MAJOR REPAIR KIT — PRO DUO GUN

2 PC		O-E-3-904 O-RING	1 PC		7304-3-1 NYLON SEAL
1 PC		O-D-010 O-RING	2 PC		5104-21-1 SPLIT SEAL
2 PCS		O-U-011 O-RING	2 PCS		5104-7-1 PACKING RING
2 PCS		O-U-109 O-RING	2 PC		5104-5-1 TEFLON RESIN SEAL
2 PCS		O-V-013 O-RING	2 PCS		5107-27-3 TURBULENT MIXER
3 PCS		O-V-020 O-RING	1 PC		6705-1-1 PACKING BIT
1 PC		02030-1 SEAL	2 PCS		02441-1 SEAL
1 PC		02149-1 NOZZLE SEAL	2 PCS		03199 STAINLESS BALL 1/4"
2 PCS		58694-1 FACE SEAL	2 PCS		04319 STAINLESS SPRING
2 PCS		58695-1 PLUG SEAL			
4 PCS		5106-3-1 GUN BLOCK SEAL			
2 PCS		5104-3-1 SECONDARY SEAL			
2 PC		5104-26-1 FLUSH VALVE SEAL			















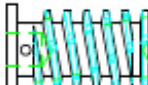
58744-1
MAJOR REPAIR KIT - 1:1 PRO GUN

2 PCS		O-E-007 O-RING
2 PCS		O-E-008 O-RING
2 PCS		O-E-3-904 O-RING
2 PCS		7304-3-1 NYLON SEAL
4 PCS		5106-3-1 GUN BLOCK SEAL
2 PCS		5104-3-1 SECONDARY SEAL
2 PCS		5104-26-1 FLUSH VALVE SEAL
2 PCS		5104-21-1 SPLIT SEAL
2 PCS		5104-7-1 PACKING RING
2 PCS		58695-1 PLUG SEAL
2 PCS		58694-1 CHECK FACE SEAL
2 PCS		03199 STAINLESS BALL 1/4"
2 PCS		04319 STAINLESS SPRING
2 PCS		5104-5-1 TEFLON RESIN SEAL
1 PC		5107-27-2 CRITICAL MIXER















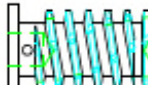
58744-1
MAJOR REPAIR KIT - 1:1 PRO GUN

2 PCS		O-E-007 O-RING
2 PCS		O-E-008 O-RING
2 PCS		O-E-3-904 O-RING
2 PCS		7304-3-1 NYLON SEAL
4 PCS		5106-3-1 GUN BLOCK SEAL
2 PCS		5104-3-1 SECONDARY SEAL
2 PCS		5104-26-1 FLUSH VALVE SEAL
2 PCS		5104-21-1 SPLIT SEAL
2 PCS		5104-7-1 PACKING RING
2 PCS		58695-1 PLUG SEAL
2 PCS		58694-1 CHECK FACE SEAL
2 PCS		03199 STAINLESS BALL 1/4"
2 PCS		04319 STAINLESS SPRING
2 PCS		5104-5-1 TEFLON RESIN SEAL
1 PC		5107-27-2 CRITICAL MIXER

58744-1-INT
MAJOR REPAIR KIT –
1:1 PRO GUN INTERNATIONAL

2 PCS		O-A-007 O-RING
2 PCS		O-E-008 O-RING
2 PCS		7301-14-904 O-RING
2 PCS		7304-3-1 NYLON SEAL
4 PCS		5106-3-1 GUN BLOCK SEAL
2 PCS		5104-3-1 SECONDARY SEAL
2 PCS		5104-26-1 FLUSH VALVE SEAL
2 PCS		5104-21-1 SPLIT SEAL
2 PCS		5104-7-1 PACKING RING
2 PCS		58695-1 PLUG SEAL
2 PCS		58694-1 CHECK FACE SEAL
2 PCS		03199 STAINLESS BALL 1/4"
2 PCS		04319 STAINLESS SPRING
2 PCS		5104-5-1 TEFLON RESIN SEAL
1 PC		5107-27-2 CRITICAL MIXER

58744-1-INT
MAJOR REPAIR KIT –
1:1 PRO GUN INTERNATIONAL

2 PCS		O-A-007 O-RING
2 PCS		O-E-008 O-RING
2 PCS		7301-14-904 O-RING
2 PCS		7304-3-1 NYLON SEAL
4 PCS		5106-3-1 GUN BLOCK SEAL
2 PCS		5104-3-1 SECONDARY SEAL
2 PCS		5104-26-1 FLUSH VALVE SEAL
2 PCS		5104-21-1 SPLIT SEAL
2 PCS		5104-7-1 PACKING RING
2 PCS		58695-1 PLUG SEAL
2 PCS		58694-1 CHECK FACE SEAL
2 PCS		03199 STAINLESS BALL 1/4"
2 PCS		04319 STAINLESS SPRING
2 PCS		5104-5-1 TEFLON RESIN SEAL
1 PC		5107-27-2 CRITICAL MIXER



CORPORATE HEADQUARTERS

2030 Falling Waters Rd, Suite 350, Knoxville, TN 37922 · USA · Tel: (865) 686-5670

DISTRIBUTION AND PURCHASING

642 Barbrow Ln, Knoxville, TN 37932 · USA · Tel: (865) 684-4416

TECHNOLOGY CENTER AND MANUFACTURING

1862 Ives Ave, Kent, WA 98032 · USA · Tel (253) 854-2660 · Fax (253) 854-1666

E-mail: info@mvpind.com

For a list of international distributors, visit our website at :

www.mvpind.com/mvp-international