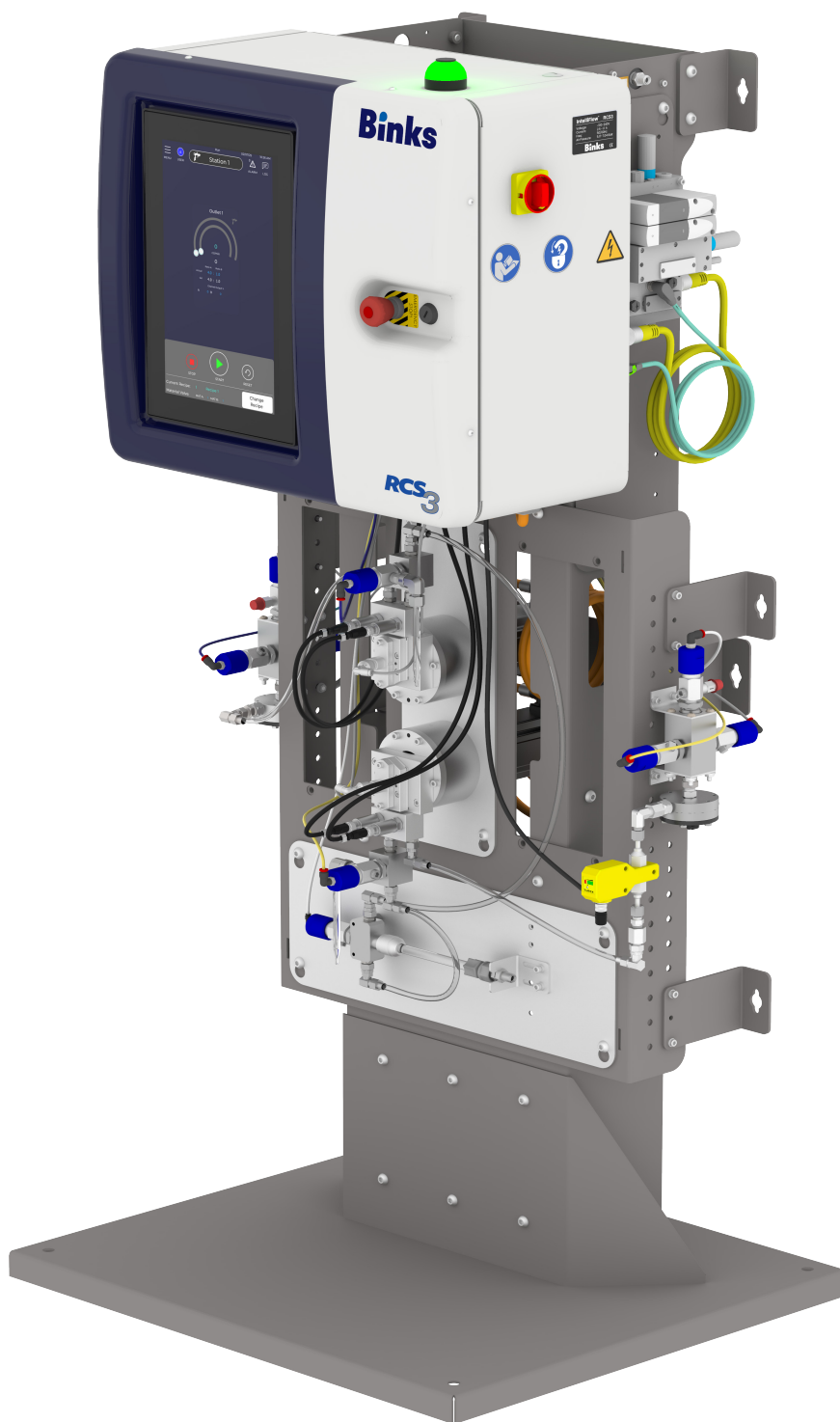




For additional information or copies of your service manual, please visit us online at:

binks.com/support/resource-library

Or use this QR code with your mobile device:

RCS3



Obey local or municipal regulations for product recycling and disposal.

ABOUT THIS MANUAL

ITS PURPOSE

The purpose of this manual is to help you get the most value from your Binks IntelliFlow™ system. It can help you to determine how to install, operate, maintain, and repair your equipment. It provides information and procedures for routine maintenance and servicing and offers diagnostic and repair procedures to follow when trouble occurs.

ITS CONTENTS

This manual is divided into chapters, each of which is divided into consecutively numbered sections.

Chapters will contain text, images, tables, or a combination of them.

Pages with images will have paragraphs and sentences with callout numbers that refer to their respective images, steps, and parts.

Procedures, once described in the text, are not normally repeated. When it is necessary to refer to another chapter or section, the reference will be given as chapter and section number. Cross references given without the use of the word "chapter" apply to sections or paragraphs in the current chapter.

Chapter 02 Table of Contents.

Chapter 03 EU Declaration of Conformity

Chapter 04 Safety: Safety, hazard, and warning rules.

Chapter 05 Spare Parts: Replacement parts and parts kits.

Chapter 06 Appendix – Kits, Accessories, and Spares: Repair kits, accessories, and spare parts for the RCS3.

Chapter 07 Manual Change Summary: The revisions and changes made to this manual.

Chapter 08 Warranty: Your equipment's warranty.

WHO SHOULD USE THIS GUIDE

This guide is intended for users with different levels of knowledge and experience with this system:

Installers: The person(s) who will locate and install this equipment.

Users: The person(s) who will learn how to operate this equipment.

Servicers: The person(s) who will service and maintain this equipment.

This guide assumes all persons who will install, use, operate, and service this equipment have some knowledge of the product and its operating system.

For information on the installation of this equipment, refer to RCS3 Installation Manual 77-3168-1.

For information on the operation of this equipment, refer to RCS3 Operation Manual 77-3168-2.

For information on the servicing and repair of this equipment, refer to RCS3 Service Guide 77-3168-3.

For programming information of this equipment, refer to RCS3 Programming Manual 77-3168-5.

MANUAL DISCLAIMER

All current and applicable certifications shown in this manual confirm Binks' adherence to the strict standards met to obtain the required regulatory compliances.

This manual was prepared with the most accurate information current at the time of publishing. Binks does not accept responsibility for errors in, or omissions from, the information contained herein.

Please get in touch with your distributor or Binks Customer Service for additional service information and assistance.

RCS3 RELATED MANUALS & PUBLICATIONS

Part Number	Description
77-3118	Low-Pressure Pneumatic Color Change Manual
77-3157	Flow Sensor Kit
77-3159	HMI Screen Protector
77-3160	Gun Flush Kit
77-3167	Dispense Pump Manual
77-3168-1	RCS3 Installation Manual
77-3168-2	RCS3 Operation Manual
77-3168-3	RCS3 Service Guide
77-3168-5	RCS3 Programming Manual
77-3169	RCS3 Gear Pump Installation Manual

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Product Description / Object of Declaration:	IntelliFlow RCS3
This Product is designed for use with:	Solvent & Waterbased Materials
Suitable for use in hazardous area:	
Protection Level:	Not Applicable
Notified Body and/or Nationally Recognized Testing Laboratory details and role:	TUV SUD America Inc, 141 14th St NW, New Brighton, MN 55112 USA. Nos NC721011127.1 and 092-721011127-00
	Low Voltage and EMC Assessment
This Declaration of Conformity / Incorporation is issued under the sole responsibility of the manufacturer:	Binks US LLC. 3760 Victoria St N Shoreview, MN 55126. USA
Representative authorised to compile the technical file	President @. Binks France SAS 5 Place Pierre Semard, 94130 Nogent sur Marne , Paris, France

EU Declaration of Conformity



This Declaration of Conformity / Incorporation is issued under the sole responsibility of the manufacturer:

Machinery Directive 2006/42/EC
 EMC Directive 2014/30/EU
 Low Voltage Directive 2014/35/EU
 RoHS Directive 2011/65/EU
 by complying with the following statutory documents and harmonised standards:
 EN 60204-1:2018 Safety of Machinery. Electrical equipment of machines
 BS EN 61000-3-2:2014 Electromagnetic compatibility (EMC) - Limits - Limits for harmonic current emissions
 BS EN 61000-3-3:2013 Electromagnetic compatibility (EMC) - Limits - Limitation for voltage changes, voltage fluctuations, and flicker in public low-voltage supply systems
 EN 61000-6-2:2005/AC:2005 Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments
 EN 61000-6-4:2007/A1:2011 Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments.
 UL 61010-1:2012 Ed.3+R:2019/CSA C22.2#61010-1-12:2012 Ed.3+U1;U2;A1 Electrical Equipment for Measurement, Control, and Laboratory Use; Part 1: General Requirements
 KS C 9610-6-2:2019 EMC Immunity Testing of Industrial Environments
 KS C 9610-6-4:2017 EMC Emission Testing of Industrial Environments
 EN 63000: 2018 Technical documentation for the assessment according to REACH
 IEC 61010-1:2010+AMD1:2016 Safety requirements for electrical equipment for measurement, control, and laboratory use. General requirements.
 FCC 47 CFR Part 15-Radio Frequency Devices, Subpart B – Unintentional Radiators
 ICES-001, Issue 5:2020 Class A Industrial, Scientific, and Medical (ISM) Equipment

Providing all conditions of safe use / installation stated within the product manuals have been complied with and also installed in accordance with any applicable local codes of practice.

Signed for and on behalf of
Binks US LLC:

Document Part No.

EN

F. A. Sutter

01/26/26

Executive President: Engineering and
Operations, Shoreview, MN, 55126.
USA

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04 SAFETY

04.1 SAFETY PRECAUTIONS

Before the operation, maintenance, or servicing of this Binks system, fully read and understand all technical and safety literature for your product. This manual contains information that is important for you to know and understand.

This information relates to USER SAFETY and the PREVENTION OF EQUIPMENT PROBLEMS.

To help you understand this information, we use recognizable ANSI Z535 and ISO warning boxes and symbols throughout this manual. Please obey these safety sections.

⚠ DANGER

DANGER! Indicates a hazardous situation that, if not avoided, will result in death or severe injury.

⚠ WARNING

WARNING! Indicates a hazardous situation that, if not avoided, could result in death or severe injury.

⚠ CAUTION

Caution! Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury, or equipment damage.

NOTICE

Notice: Indicates information considered important but not hazard related.

SAFETY

Safety: Indicates a type of safety instruction, or a separate panel on a safety placard, where specific safety-related instructions or procedures are described.

Careful study and continued use of this manual will provide a better understanding of the equipment functions and procedures.

This understanding will result in improved operation, efficiency, and longer, trouble-free service with faster and easier troubleshooting. If you need the necessary safety literature for your specific system, contact your local Binks representative or Binks directly.

NOTICE

This manual lists standard specifications and service procedures. Differences can occur between this literature and your equipment.

Differences in local or municipal codes, manufacturer or plant requirements, material delivery requirements, and more can make variations unpreventable. To find these differences, compare this manual to your system installation drawings and other applicable Binks equipment manuals.

⚠ WARNING

The user **MUST** read and be familiar with the Safety Section in this manual and the safety literature therein identified.

Only trained personnel can operate this equipment.

All personnel who operate, clean, or maintain this equipment **MUST** fully read and understand this manual! To operate and service the equipment, follow all **WARNINGS** and safety requirements.

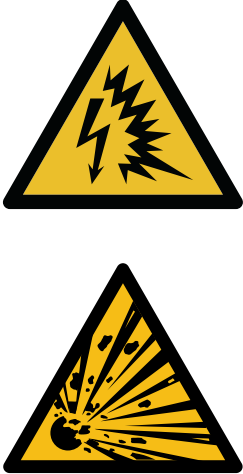
The user must be aware of and adhere to **ALL** local building and fire codes and ordinances, as well as **NFPA 33 AND EN 16985 SAFETY STANDARDS, LATEST EDITION**, or applicable country safety standards, before the installation, operation, or servicing of this equipment.

⚠ WARNING

The hazards shown on the pages that follow can occur during the normal use of this Binks equipment, but not all listed hazards will be applicable to your product model or equipment.

Repairs may only be performed by personnel authorized by Binks.

AREAS Indicate possible hazard occurrences	HAZARDS Indicate possible hazards	SAFEGUARDS Prevention of possible hazards
Spray Areas  	Fire Hazards Improper or unsatisfactory operation and maintenance procedures will cause a fire hazard. If the safety interlocks are disabled during operation, protection against accidental arcing is shut off and can cause a fire or explosion. Frequent Power Supply or Controller shutdown identifies a problem in the system. For this occurrence, a correction will be necessary	Fire extinguishing equipment must be present in the spray area. Periodically run a test to make sure the equipment stays usable. Keep spray areas clean to prevent the build-up of combustible residues. Do not smoke in the spray area. The high voltage supplied to the atomizer must be turned off before the equipment is cleaned, flushed or maintained. Spray booth ventilation must be kept at the rates as set by NFPA-33, OSHA, country, local, and municipal codes. If flammable or combustible solvents are used to clean the equipment, ventilate the area. Prevent electrostatic arcing. Maintain spark-safe work distance between the parts that get coated and the applicator. A span of one inch for every 10KV of the output voltage is necessary. Do an equipment test only in areas free of combustible material. The test may necessitate the high voltage to be on, but only as instructed. Non-factory replacement parts or unauthorized equipment modifications can cause a fire or injury. The key switch bypass is used only during setup operation. Do no production work with disabled safety interlocks. Set up and operate the paint procedure and equipment under NFPA-33, NEC, OSHA, local, municipal, country, and European Health and Safety Norms.

AREAS Indicate possible hazard occurrences	HAZARDS Indicate possible hazards	SAFEGUARDS Prevention of possible hazards
Spray Areas 	Explosion Hazard Improper or unsatisfactory operation and maintenance procedures will cause a fire or explosion hazard. If the safety interlocks are disabled during operation, protection against accidental arcing is shut off and can cause a fire or explosion. Frequent Power Supply or Controller shutdown identifies a problem in the system. For this occurrence, a correction will be necessary.	Prevent electrostatic arcing. Maintain spark-safe work distance between the parts that get coated and the applicator. A span of one inch for every 10KV of output voltage is necessary. Unless specifically approved for use in hazardous locations, put all electrical equipment outside of Class I or II, Division 1 or 2 hazardous areas in accordance with NFPA-33, or outside of Zone 2 or Zone 22 in accordance with EN standards. If equipped, set the current overload sensitivity as described in the related section of the equipment manual. If incorrectly set, the current overload sensitivity for protection against accidental arcing is turned off and can cause a fire or explosion. Frequent power supply shutdown indicates a problem in the system, which requires correction. Always turn off the control panel power before the system is flushed, cleaned, or servicing the spray system equipment. Make sure no objects are within the spark-safe work distance before the high voltage is turned on. The control panel must interlock with the ventilation system and conveyor in accordance with NFPA-33, EN 50176. Fire extinguishing equipment must be present in the spray area. Periodically run a test to make sure the equipment stays usable. Do an equipment test only in areas free of combustible material.
General Use and Maintenance 	Improper or unsatisfactory operation and maintenance procedures will cause a fire hazard. Personnel must be correctly trained in the operation and maintenance of this equipment.	Train all personnel in accordance with the requirements of NFPA-33, EN 60079-0. Before equipment operation, personnel must read and understand these instructions and safety precautions. Obey appropriate local, municipal, state, and national codes governing ventilation, fire protection, operation maintenance, and housekeeping. Reference OSHA, NFPA-33, EN Norms, and your insurance company requirements.

AREAS Indicate possible hazard occurrences	HAZARDS Indicate possible hazards	SAFEGUARDS Prevention of possible hazards
Spray Area High Voltage Equipment    	Electrical Discharge This equipment contains a high-voltage device that can cause an electrostatic induction on ungrounded objects. This electrical charge is capable of igniting coating materials. Insufficient ground will cause a spark hazard. A spark can ignite many coating materials and cause a fire or explosion.	Operators in the spray area and the parts to be sprayed must be sufficiently grounded. All conductive objects inside the spray area must be grounded. Hold the parts that get sprayed on conveyors or hangers that are correctly grounded. The resistance between the parts and the earth-ground must not be more than 1 MΩ. Refer to: NFPA-33. Before the equipment is operated, ground all operators. They cannot wear rubber-soled insulated shoes. Wear ground straps on wrists or legs for sufficient ground contact. Operators must not wear or carry ungrounded metal objects. When used, operators must make complete contact with the applicator handle and electrostatic applicator. Use conductive gloves or gloves with the palm section cut out. Operators must wear grounded footwear. NOTE: REFER TO NFPA-33 OR SPECIFIC COUNTRY SAFETY CODES FOR GUIDANCE TO CORRECTLY GROUND THE OPERATOR. Except for objects needed for the high-voltage process, all electrically conductive objects in the spray area are to be grounded. Supply a grounded conductive floor in the spray area. Always turn off the applicator voltage before the system is flushed, cleaned, or when servicing the spray system equipment. Unless specifically approved for use in hazardous locations, put all electrical equipment outside of Class I or II, Division 1 or 2 hazardous areas in accordance with NFPA-33, or outside of Zone 2 or Zone 22 in accordance with EN standards. Do not install an applicator into a fluid system if the solvent supply is ungrounded. Do not touch an energized applicator electrode.

AREAS Indicate possible hazard occurrences	HAZARDS Indicate possible hazards	SAFEGUARDS Prevention of possible hazards
Spray Areas 	Toxic Fluid or Fumes Toxic fluids or fumes can cause severe injury or death if splashed in the eyes or on the skin, or if inhaled or swallowed.	Read the Safety Data Sheet (SDS) for instructions to know and understand how to handle the specific hazards of the fluids used, and the effects of long-term exposure. During the spray, clean, or servicing of equipment, or when in the work area, keep the work area fully ventilated. Always wear personal protective equipment (PPE) when in the work area or during equipment operation. Refer to the Personal Protective Equipment warnings in this manual. Store hazardous fluid in approved containers and refer to local, municipal, state, and national codes governing the disposal of hazardous fluids.
Spray Area and Equipment Use 	High-pressure fluid sprayed from the applicator, hose fittings, or ruptured/damaged components can pierce the skin. While this injury can appear as cut skin, this is a severe injury that can result in the amputation of the affected area.	Do not point or operate the spray applicator at the body part of a person. Do not put your hand or fingers over the applicator fluid nozzle or fittings in the hose or Proportioner. Do not try to stop or deflect leaks with your hand, glove, body, or shop rag. Do not “blowback” fluid, as the equipment is not an air spray system. Relieve pressure in the supply hoses and other equipment before the equipment is inspected, cleaned, or serviced. Use the lowest possible pressure to recirculate, purge, or troubleshoot the equipment. Examine the hoses, couplings, and fittings every day. Service or immediately replace parts that leak, are worn, or are damaged. Replace high-pressure hose sections. They cannot be recoupled or serviced.

AREAS Indicate possible hazard occurrences	HAZARDS Indicate possible hazards	SAFEGUARDS Prevention of possible hazards
Equipment and Fluids 	Skin and Clothing Burns Equipment surfaces and fluids can become very hot during operation.	Do not touch hot fluid or equipment during operation. Do not let clothing touch the equipment during operation or immediately after the equipment is stopped. Let the equipment fully cool before the examination or servicing of the component.
Pressurized Aluminum Parts    	The use of certain solvents and chemicals can cause equipment damage and severe personal injury.	Do not use 1,1,1-trichloroethane, methylene chloride or other halogenated hydrocarbon solvents or fluids that contain such solvents. These solvents can cause a severe chemical reaction and equipment rupture that results in equipment and property damage, serious bodily injury, or death.

AREAS Indicate possible hazard occurrences	HAZARDS Indicate possible hazards	SAFEGUARDS Prevention of possible hazards
Spray Areas 	Do Not Touch The effect of paint flow rates and formulations on the quality of atomization can cause the turbines to rotate at high speeds.	Do not use a rag or gloved hand against the bell edge to stop or slow down a bell during rotation. Do not try to clean the bell edge during rotation.

⚠ CAUTION

Only operate the equipment after you have read this section.

04.2 ADDITIONAL SAFETY INFORMATION

The IntelliFlow has an emergency stop (E-Stop) pushbutton on the main operator panel. During an emergency, all operations for the IntelliFlow will halt when the E-Stop is engaged. The operator must disengage the E-Stop and reset the system to recover from this state.

Observe all local or municipal safety measures and wear approved protective equipment when servicing this equipment. Clean all spilled chemicals and materials and do all work in a clean and organized environment to prevent personal injury and equipment damage.

⚠ DANGER

To prevent injury or electrocution while the system is under power, do not contact, disconnect, or manipulate electrical connections or devices. The main disconnect on the right side of the controller can be locked out. Follow the proper Lockout–Tagout (LOTO) procedures for internal controller electrical work.

Only qualified electrical personnel can perform the work if diagnosis and troubleshooting are not possible during working conditions.

⚠ WARNING

To prevent possible chemical spillage when personnel are not on site, air and fluid supplies for the equipment must be disabled when the equipment idles for an extended period, such as an end-of-day shutdown.

NOTICE

During the initial commission of the equipment and at periodic times throughout equipment life, visually examine all fluid fittings for leaks.

Periodically, it is necessary to visually examine all pieces of this equipment for signs of noticeable degradation due to chemicals or other conditions in the equipment's environment.

SAFETY

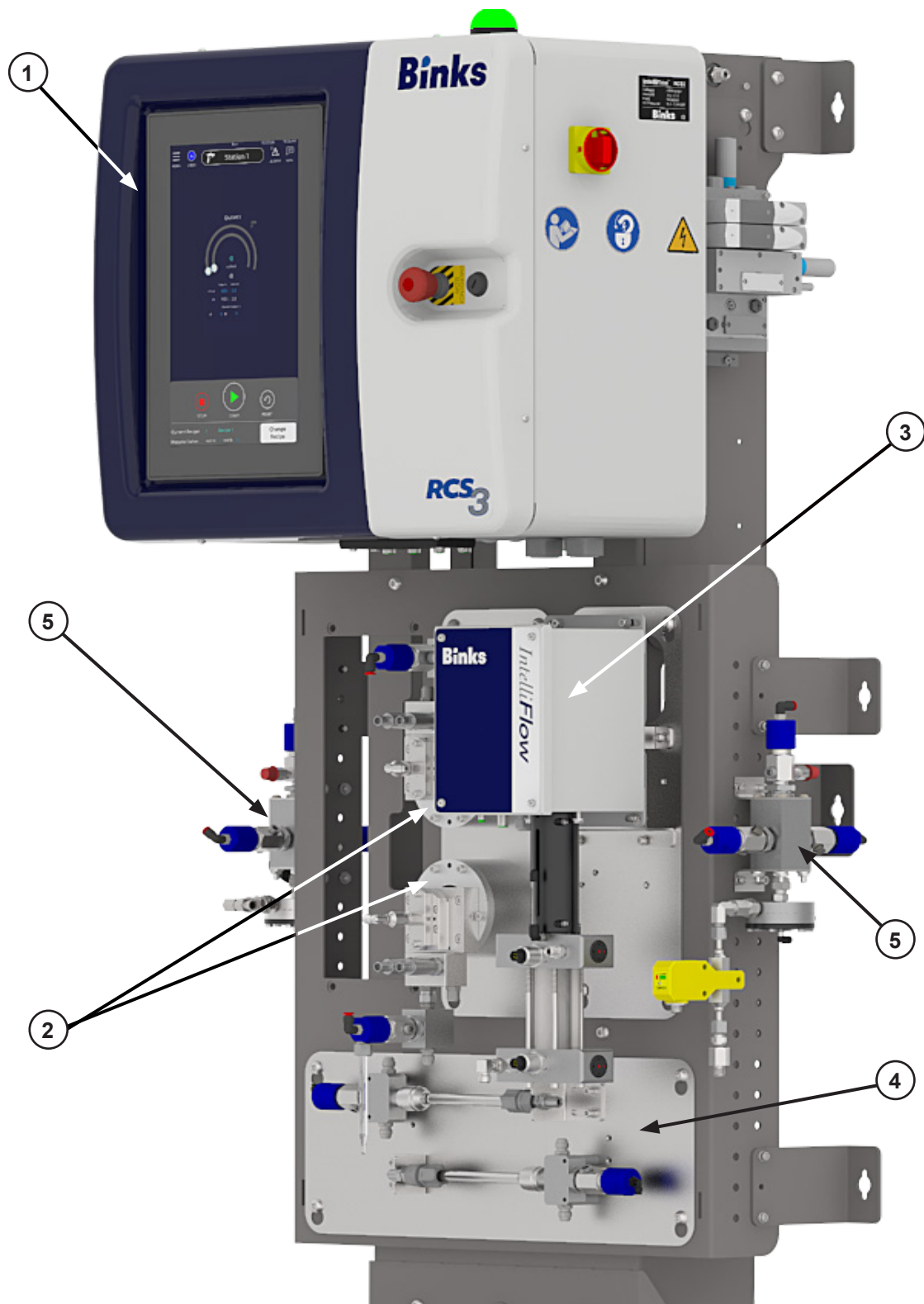
Obey local or municipal regulations that require installed fire suppression for equipment operation.

If the operation of this equipment, sensors, switches, or other ancillary equipment occurs in the presence of flammable gases and vapors, connect this equipment through intrinsic-safe or Zener barriers. Classify them as a "simple apparatus" or approve them for use in these areas.

05 RCS3 SPARE PARTS

The following chapter contains component views and spare parts tables for RCS3 assemblies and sub-assemblies.

05.1 TOP LEVEL ASSEMBLY



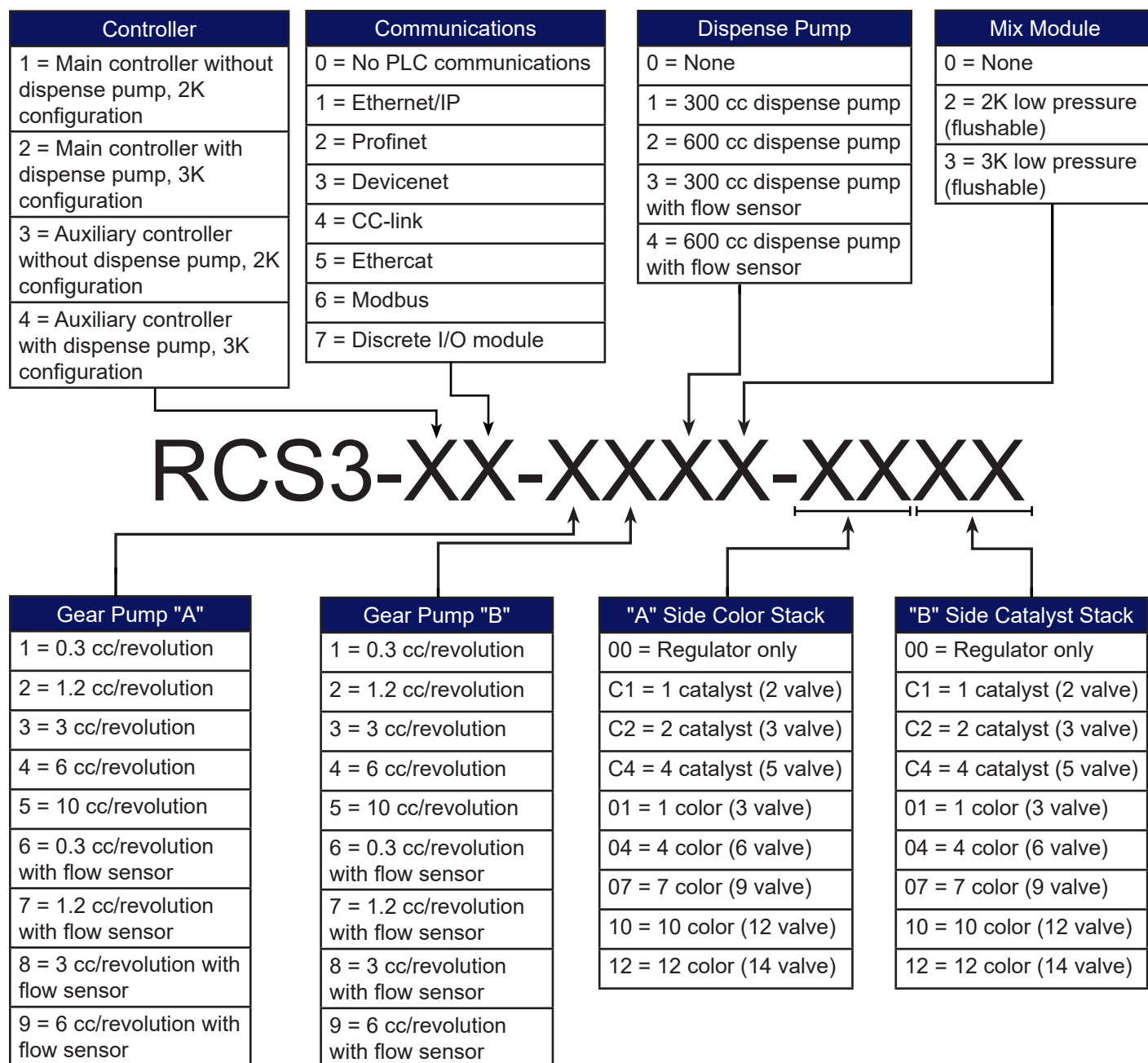
RCS3 TOP LEVEL ASSEMBLY (RCS3-XX-XXXX-XXXX)

Item	Part Number	Description	Section(s)
1	810-XX00	RCS3 CONTROLLER ASSEMBLY	5.4
2	810-8000-X	GEAR PUMP(S)	5.5
3	310-3300-05X	DISPENSE PUMP	5.6
4	310-3800-XX	MIX MODULE	5.7
5	310-650X-XXXX	RESIN AND CATALYST STACK(S)	5.8

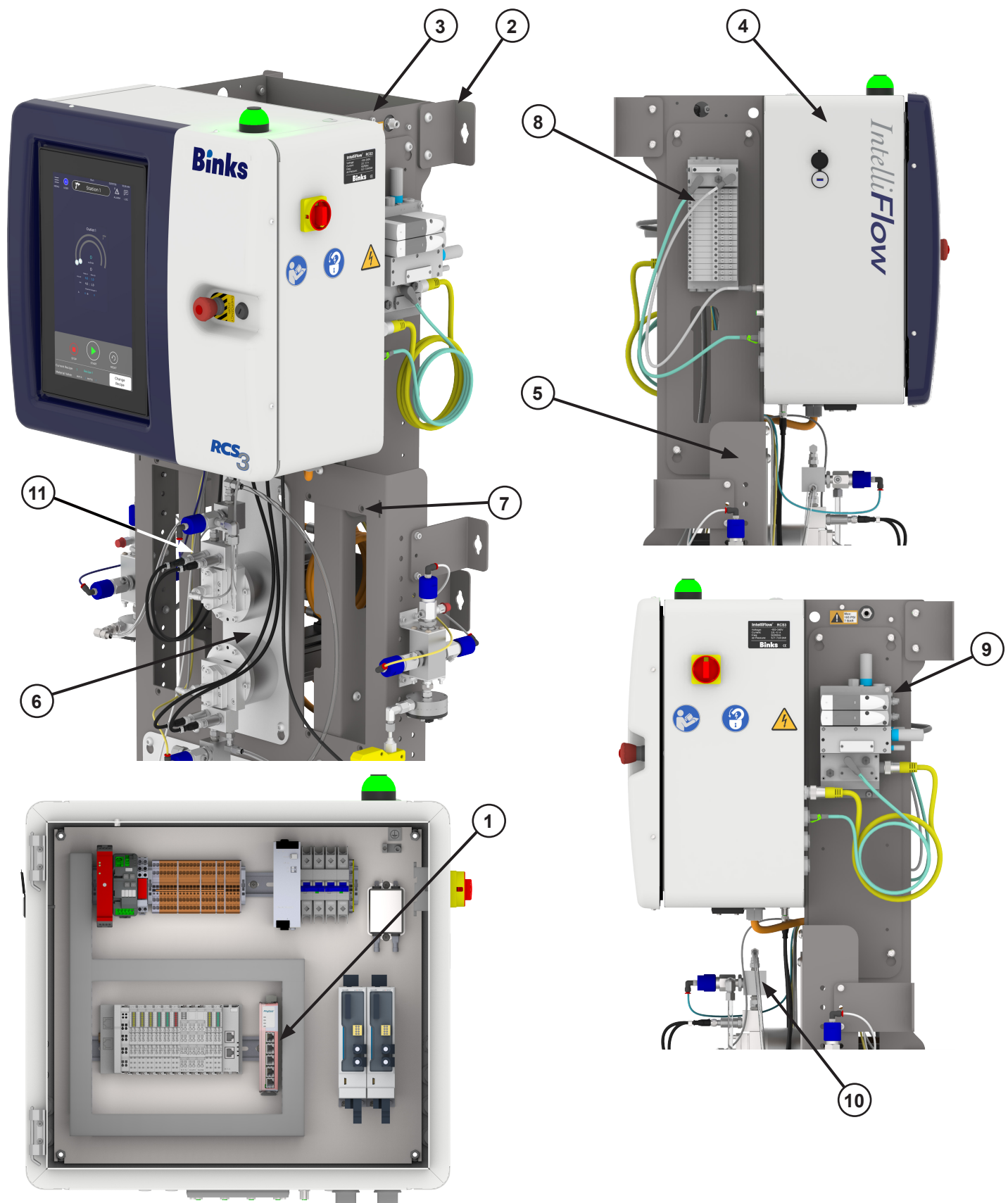
05.2 STANDARD 2K AUTOMATIC CONFIGURATIONS (RCS3-11-XXXX-XXCX)

Package Number	Communication	Fluid Channels	Colors	Catalyst(s)	A-Side Pump	B-Side Pump
RCS3-11-4802-01C1	Ethernet I/P included	2K	1	1	6 cc/rev, 60-1200 cc/min	3 cc/rev, 30-600 cc/min
RCS3-11-4802-04C1	Ethernet I/P included	2K	4	1	6 cc/rev, 60-1200 cc/min	3 cc/rev, 30-600 cc/min
RCS3-11-4802-07C2	Ethernet I/P included	2K	7	2	6 cc/rev, 60-1200 cc/min	3 cc/rev, 30-600 cc/min
RCS3-11-4802-12C4	Ethernet I/P included	2K	12	4	6 cc/rev, 60-1200 cc/min	3 cc/rev, 30-600 cc/min
RCS3-11-4702-01C1	Ethernet I/P included	2K	1	1	6 cc/rev, 60-1200 cc/min	1.2 cc/rev, 12-240 cc/min
RCS3-11-4702-04C1	Ethernet I/P included	2K	4	1	6 cc/rev, 60-1200 cc/min	1.2 cc/rev, 12-240 cc/min
RCS3-11-4702-07C2	Ethernet I/P included	2K	7	2	6 cc/rev, 60-1200 cc/min	1.2 cc/rev, 12-240 cc/min
RCS3-11-4702-12C4	Ethernet I/P included	2K	12	4	6 cc/rev, 60-1200 cc/min	1.2 cc/rev, 12-240 cc/min
RCS3-11-4602-01C1	Ethernet I/P included	2K	1	1	6 cc/rev, 60-1200 cc/min	0.3 cc/rev, 3-60 cc/min
RCS3-11-4602-04C1	Ethernet I/P included	2K	4	1	6 cc/rev, 60-1200 cc/min	0.3 cc/rev, 3-60 cc/min
RCS3-11-4602-07C2	Ethernet I/P included	2K	7	2	6 cc/rev, 60-1200 cc/min	0.3 cc/rev, 3-60 cc/min
RCS3-11-4602-12C4	Ethernet I/P included	2K	12	4	6 cc/rev, 60-1200 cc/min	0.3 cc/rev, 3-60 cc/min
RCS3-11-3802-01C1	Ethernet I/P included	2K	1	1	3 cc/rev, 30-600 cc/min	3 cc/rev, 30-600 cc/min
RCS3-11-3802-04C1	Ethernet I/P included	2K	4	1	3 cc/rev, 30-600 cc/min	3 cc/rev, 30-600 cc/min
RCS3-11-3802-07C2	Ethernet I/P included	2K	7	2	3 cc/rev, 30-600 cc/min	3 cc/rev, 30-600 cc/min
RCS3-11-3802-12C4	Ethernet I/P included	2K	12	4	3 cc/rev, 30-600 cc/min	3 cc/rev, 30-600 cc/min
RCS3-11-3702-01C1	Ethernet I/P included	2K	1	1	3 cc/rev, 30-600 cc/min	1.2 cc/rev, 12-240 cc/min
RCS3-11-3702-04C1	Ethernet I/P included	2K	4	1	3 cc/rev, 30-600 cc/min	1.2 cc/rev, 12-240 cc/min
RCS3-11-3702-07C2	Ethernet I/P included	2K	7	2	3 cc/rev, 30-600 cc/min	1.2 cc/rev, 12-240 cc/min
RCS3-11-3702-12C4	Ethernet I/P included	2K	12	4	3 cc/rev, 30-600 cc/min	1.2 cc/rev, 12-240 cc/min
RCS3-11-3602-01C1	Ethernet I/P included	2K	1	1	3 cc/rev, 30-600 cc/min	0.3 cc/rev, 3-60 cc/min
RCS3-11-3602-04C1	Ethernet I/P included	2K	4	1	3 cc/rev, 30-600 cc/min	0.3 cc/rev, 3-60 cc/min
RCS3-11-3602-07C2	Ethernet I/P included	2K	7	2	3 cc/rev, 30-600 cc/min	0.3 cc/rev, 3-60 cc/min
RCS3-11-3602-12C4	Ethernet I/P included	2K	14	2	3 cc/rev, 30-600 cc/min	0.3 cc/rev, 3-60 cc/min

05.3 RCS3 STANDARD SYSTEM PART NUMBERING



05.4 RCS3 CONTROLLER ASSEMBLY



RCS3 CONTROLLER ASSEMBLY (RCS3-AB-XXXX-XXXX)

Item	Part Number	Description	Quantity
1	SEE TABLE B	OPTIONAL COMMUNICATIONS	-
2	-	FLUID AND CONTROL FRAME ASSEMBLY	1
3	310-3900	AIR MANIFOLD ASSEMBLY	1
4	810-6100-01*	RCS3 MAIN ENCLOSURE ASSEMBLY	-
	810-6100-02*	RCS3 AUXILIARY ENCLOSURE ASSEMBLY	-
5	-	FLUID FRAME	1
6	-	MOTOR MODULE ASSEMBLY	1
7	20-7040	BHCS M10X1.5, 20MM LG, 18-8 SST	**
8	310-6960-01	MOUNTED VTUG PANEL ASSEMBLY W/ECAT (32 SOLENOID)	1
9	310-6940-01	MOUNTED VTEM PANEL ASSEMBLY W/CPX/ECAT (2 VALVE)	1
10	310-8000	CALIBRATION BLOCK ASSEMBLY	1
11	810-8050	TRANSDUCER, PRESSURE	4
-	-	3/8" TUBING BLACK	4
-	-	HOSE FITTING 3/8" OD X 1/4" ID X 1/4" NPS(F) SWIVEL	3
-	-	FITTING, 1/4NPS(M) X 3/8" AN	4
-	-	3/8" OD X 1/4" ID X 1/4" NPS FEMALE	5
-	-	NHA-4X2.7 5/32" OD X .106" ID NYLON .025" WALL YELLOW	4 FT
-	-	3/8" OD 1/4" ID TEFLON PAINT HOSE, 290 PSI WP	6.5 FT
-	-	NHA-4X2.7 5/32" OD X .106" ID NYLON .025" WALL BLUE	3 FT

*Not a sellable part number.

**For units without dispense pumps, the quantity is 8. For units with dispense pumps, 12.

TABLE A: CONTROLLER OPTIONS

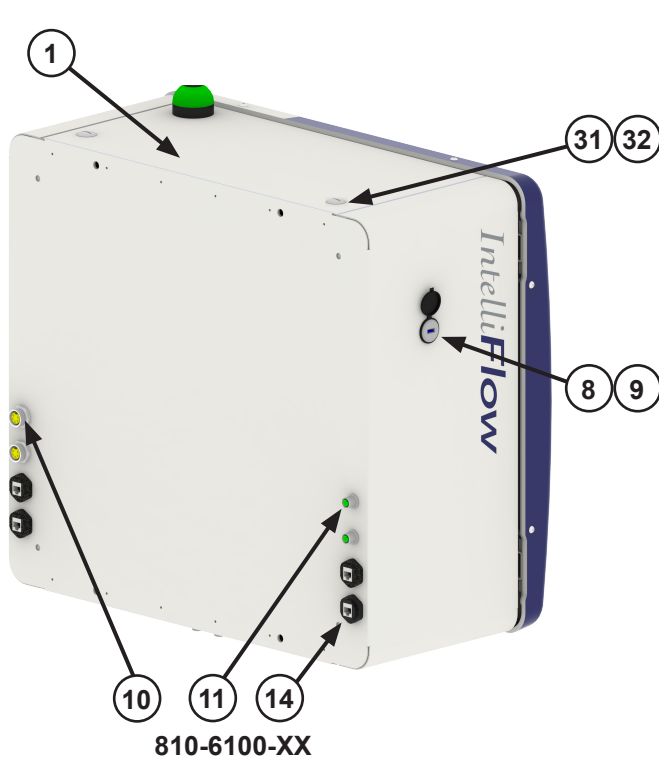
Digit	Part Number*	Description	Quantity
1	810-C200	RCS3 MAIN CONTROLLER WITHOUT DISPENSE PUMP (2K MAIN)	1
2	810-C300	RCS3 MAIN CONTROLLER WITH DISPENSE PUMP (3K MAIN)	1
3	810-A200	RCS3 AUXILIARY CONTROLLER WITHOUT DISPENSE PUMP (2K AUX)	1
4	810-A300	RCS3 AUXILIARY CONTROLLER WITH DISPENSE PUMP (3K AUX)	1

*Not sellable part numbers.

TABLE B: OPTIONAL COMMUNICATIONS

Digit	Part Number	Description	Quantity
0	-	NO PLC COMMUNICATIONS	-
1	310-4142	ETHERNET/IP	1
2	310-4143	PROFINET	1
3	310-4144	DEVICENET	1
4	310-4145	CC-LINK	1
5	310-4146	ETHERCAT	1
6	310-4164	MODBUS TCP	1
7	310-4930	DISCRETE I/O MODULE	1

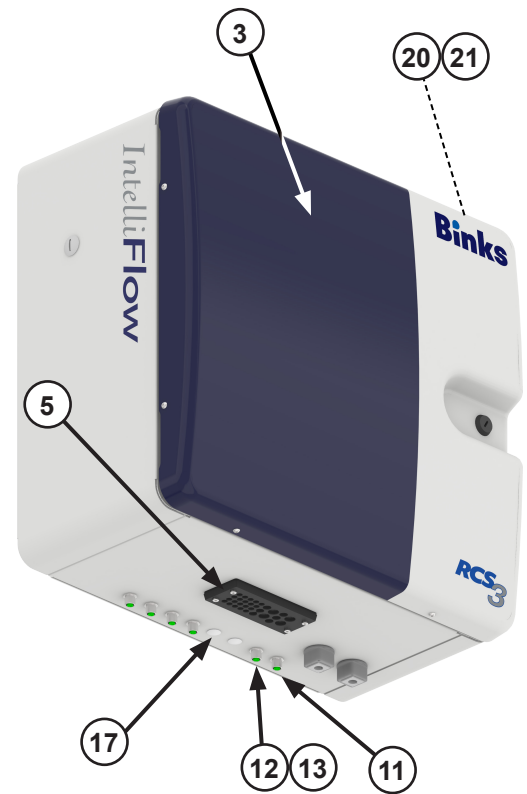
05.4.1 RCS3 ENCLOSURE ASSEMBLY



810-6100-01 RCS3 MAIN ENCLOSURE

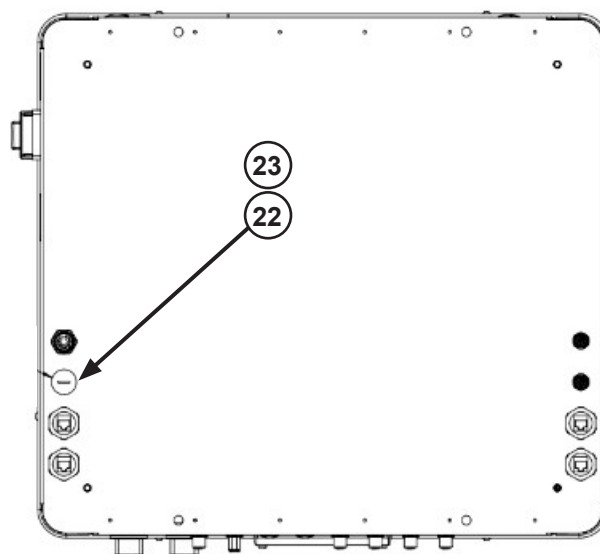
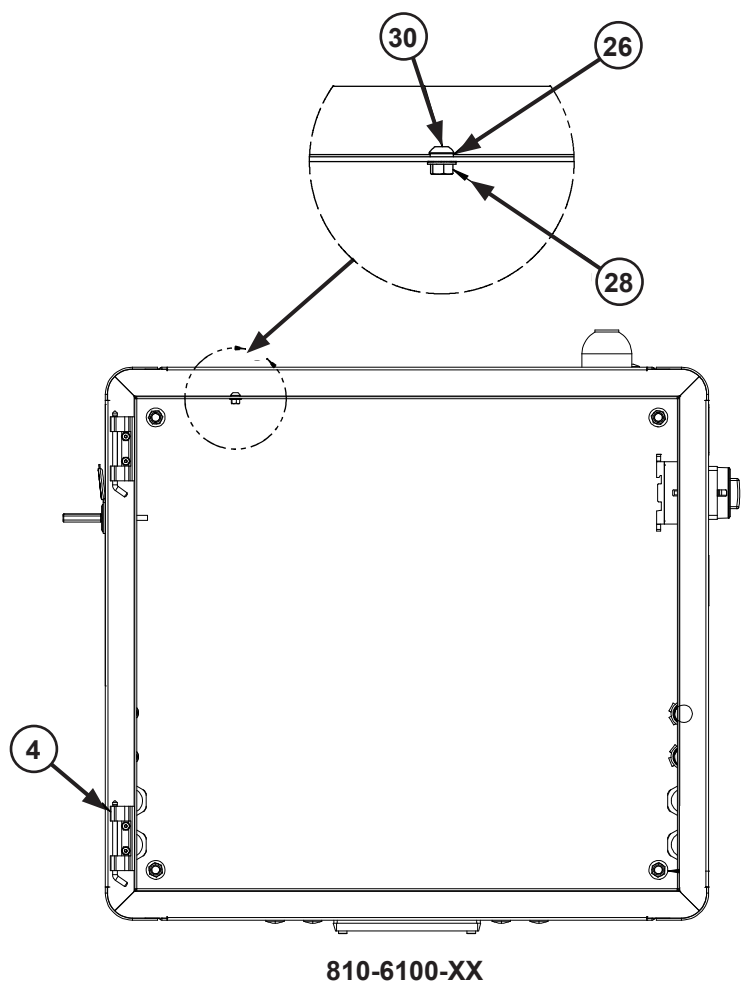
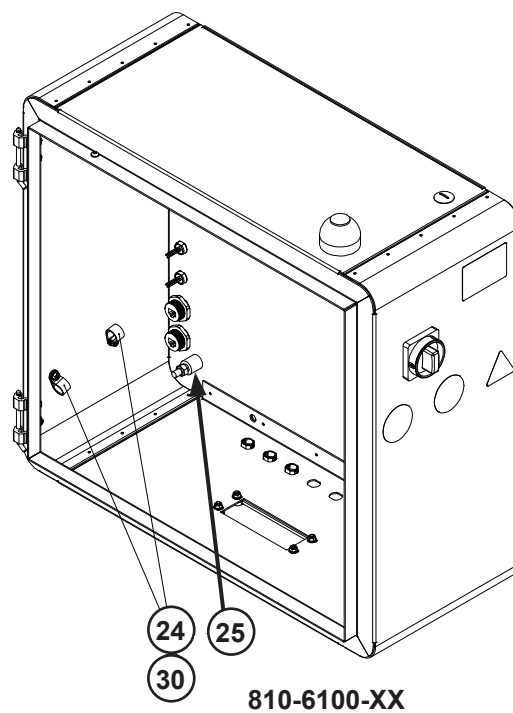
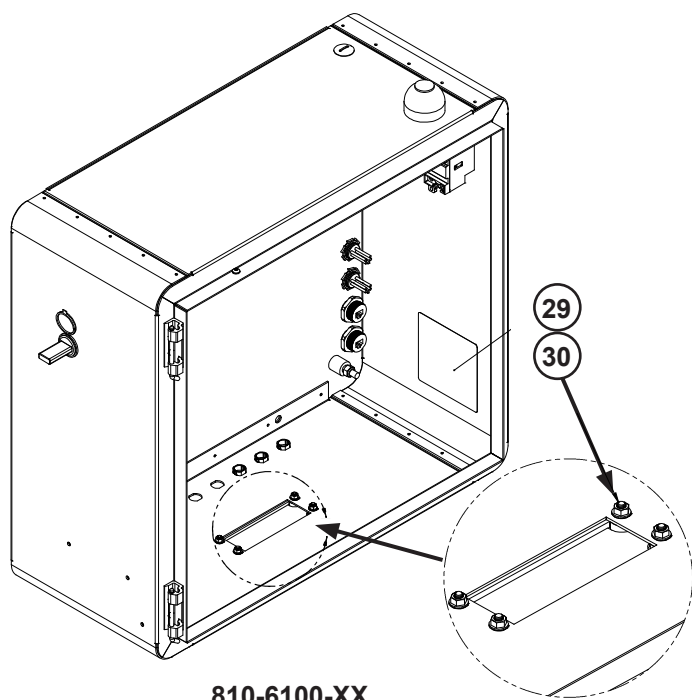


810-6100-01 RCS3 MAIN ENCLOSURE



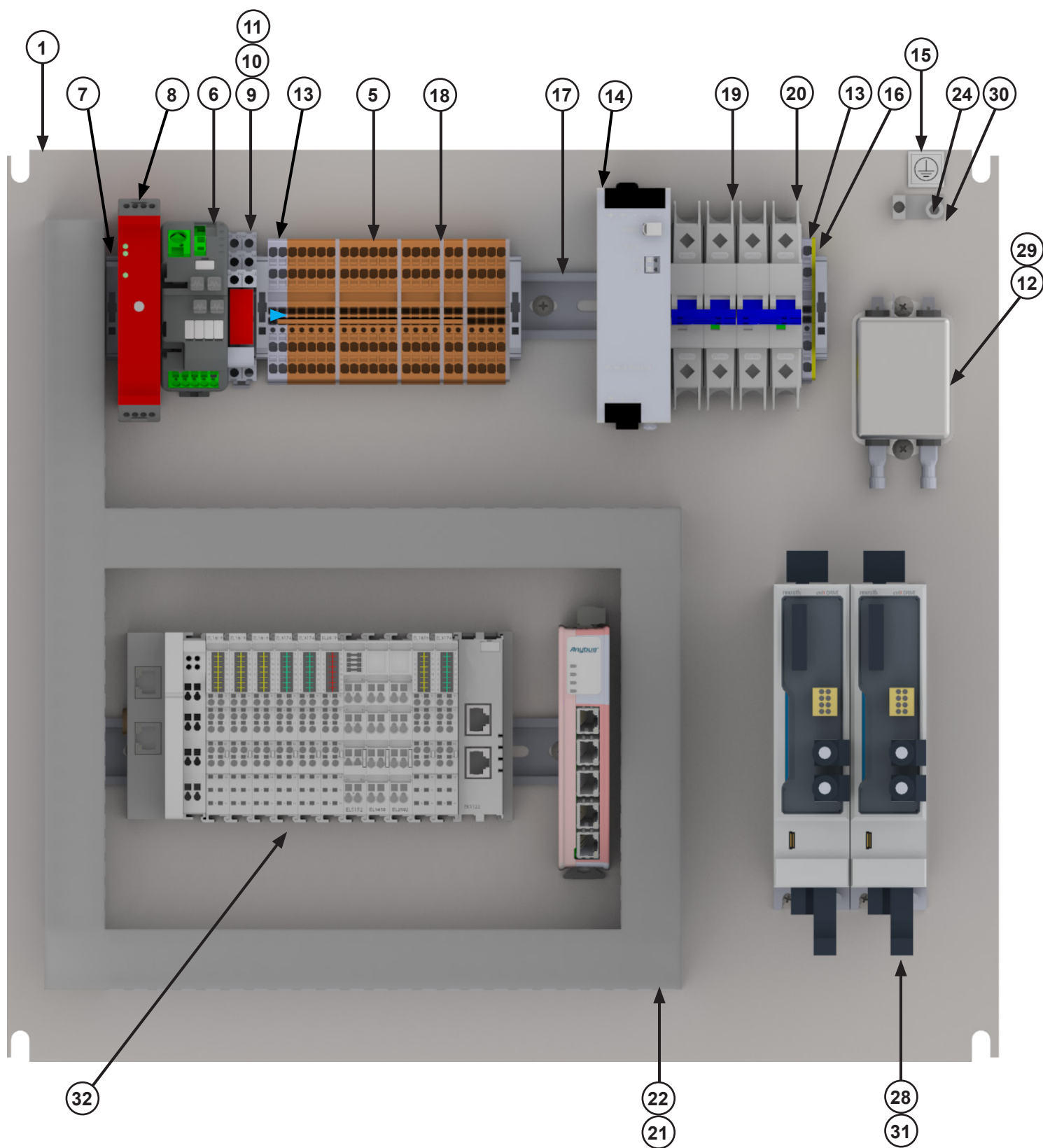
810-6100-02 RCS3 AUXILIARY ENCLOSURE

05.4.1 RCS3 ENCLOSURE ASSEMBLY (CONTINUED)



RCS3 ENCLOSURE ASSEMBLY (PART NUMBER 810-6100-XX)				
Item	Part Number	Description	Quantity	
			Main Enclosure (-01)	Auxiliary Enclosure (-02)
1	-	ENCLOSURE ASSEMBLY, RCS3	1	
2	-	ENCLOSURE DOOR ASSEMBLY	1	-
3	-	ENCLOSURE DOOR ASSEMBLY, NO SCREEN	-	1
4	-	DOOR HINGE KIT	2	2
5	-	CABLE, ENTRY PLATE	1	1
6	240-5160	7 COLOR STACK LIGHT WITH AUDIBLE ALARM	1	-
7	240-5159	ROTARY DISCONNECT	1	1
8	-	CABLE, USB, PANEL MOUNT, 1M	1	1
9	-	USB WATERPROOF COVER	1	1
10	-	BULKHEAD CONNECTOR, 7/8" 5 POLE	1	1
11	-	BULKHEAD CONNECTOR, M12, 5PIN	7	7
12	-	BULKHEAD, M12, 5PIN, M2L, 1M	-	1
13	-	LOCKING NUT EMI/RFI PRF M16 X 1.5	-	1
14	-	ETHERNET BULKHEAD, RJ45 FEMALE	5	4
15	-	ICOTEK KVT32-45036	2	2
16	-	KT 12 GY GROMMET	2	2
17	-	.625" - .550" HOLE PLUG	3	2
18	-	PLUG PG13	1	1
19	20-7070	LOCKING NUT PG13	1	1
20	-	PLUG, PANEL, PG 21, GRAY	-	1
21	-	LOCKING NUT, PG 21 THREAD, GRAY	-	1
22	-	PLUG, PANEL, PG 16, GRAY	-	1
23	-	PG16 LOCKNUT GRAY PA	-	1
24	-	LOOP CLAMP, 5/8" ID, NYLON	2	2
25	-	SPACER FOR BACK PANEL	4	4
26	-	BHCS, M5 X 0.8, 8 MM LONG, 18-8	1	1
27	-	SHCS M5 X 0.8 MM, 20 MM LONG, LOW PROFILE	4	4
28	-	FLAT WASHER, M5, 18-8	5	5
29	-	SERRATED FLANGE LOCKNUT, M8	4	4
30	-	SERRATED FLANGE LOCKNUT, M5 X 0.8, 18-8	8	8
31	-	PLUG M16	1	1
32	-	LOCKING NUT M16	1	1

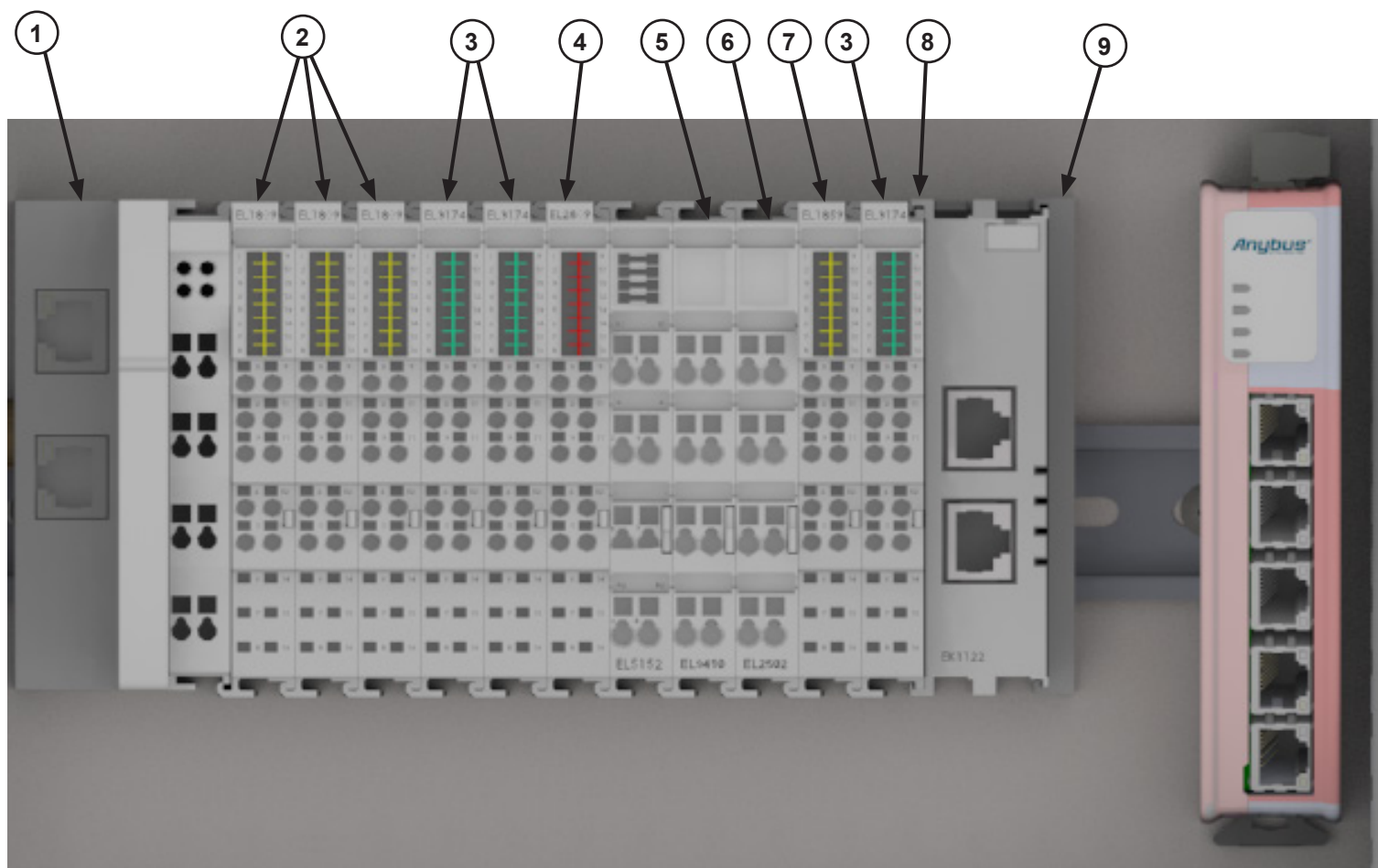
05.4.2 ELECTRONICS PANEL



RCS3 ELECTRONICS PANEL ASSEMBLY (PART NUMBER 810-6200-XX*)						
Item	Part Number	Description	Quantity			
			-11	-10	-21	-22
1	-	ELECTRONICS BACK PANEL	1	1	1	1
2	-	JUMPER 2 POLE	1	1	1	1
3	-	JUMPER 6 POLE	1	1	1	1
4	-	JUMPER 4 POLE	2	2	2	2
5	-	A/B PUSH TB, 2.5, GRAY	22	22	22	22
6	310-4104	ELECTRONIC CIRCUIT PROTECTION	1	1	1	1
7	310-4124	RETAINER	8	8	6	6
8	-	A/B GUARDMASTER SAFETY RELAY	1	1	1	1
9	-	8 PIN SOCKET	1	1	1	1
10	240-5185	SAFETY RELAY	1	1	1	1
11	-	A/B SURGE SUPPRESSOR, DIODE, 220V	1	1	1	1
12	310-4126	LINE FILTER, 6A, 2 STAGE	1	1	1	1
13	-	A/B TB, 2.5, GROUND	4	4	4	4
14	310-6147	POWER SUPPLY, 24VDC, 240W, 10A	1	1	1	1
15	-	GROUNDING LABEL	1	1	1	1
16	-	A/B TERMINAL BLOCK END, YELLOW	1	1	1	1
17	-	PHOENIX DIN RAIL, 2M LONG	27"	27"	27"	27"
18	-	A/B TERMINAL BLOCK END, GRAY	6	6	6	6
19	240-5176	CIRCUIT BREAKER, 5 AMP	1	1	1	1
20	-	CIRCUIT BREAKER, 2 POLE, 6A, 240V	1	1	1	1
21	-	PANDUIT 1" X 4" GRAY	47.5"	47.5"	47.5"	47.5"
22	-	PANDUIT COVER GRAY 1" WIDE	47.5"	47.5"	47.5"	47.5"
24	20-7043	SHCS, M6X1, 12MM LG, 18-8	1	1	1	1
25	-	CABLE, ETHERNET, 5 FT (NOT SHOWN)	3	3	3	3
26	-	CABLE, ETHERNET, 3 FT (NOT SHOWN)	5	5	5	5
27	-	CAT6 SHLD RJ45, 1FT, YELLOW (NOT SHOWN)	1	1	1	1
28	810-2319	DRIVE, SERVO MOTOR, RCS3	2	2	2	2
29	-	TERMINAL, FEMALE, 16-14 AWG, .250" X .032" TAB	2	2	2	2
30	-	CONNECTOR, ALUMINUM SOLDERLESS, 4-14 AWG	1	1	1	1
31	810-7000-1.5	DRIVE MOTOR CABLE, -XXM	2	2	2	2
32	810-6200-XX	I/O BLOCK ASSEMBLY (SECTION 05.4.3)	1	1	1	1

*The top level configuration number of 810-6200-XX is dependent on and mirrors I/O block assembly configuration. If the I/O block assembly channel configuration is -20 then 810-6200-XX will be 810-6200-20.

05.4.3 I/O BLOCK ASSEMBLY

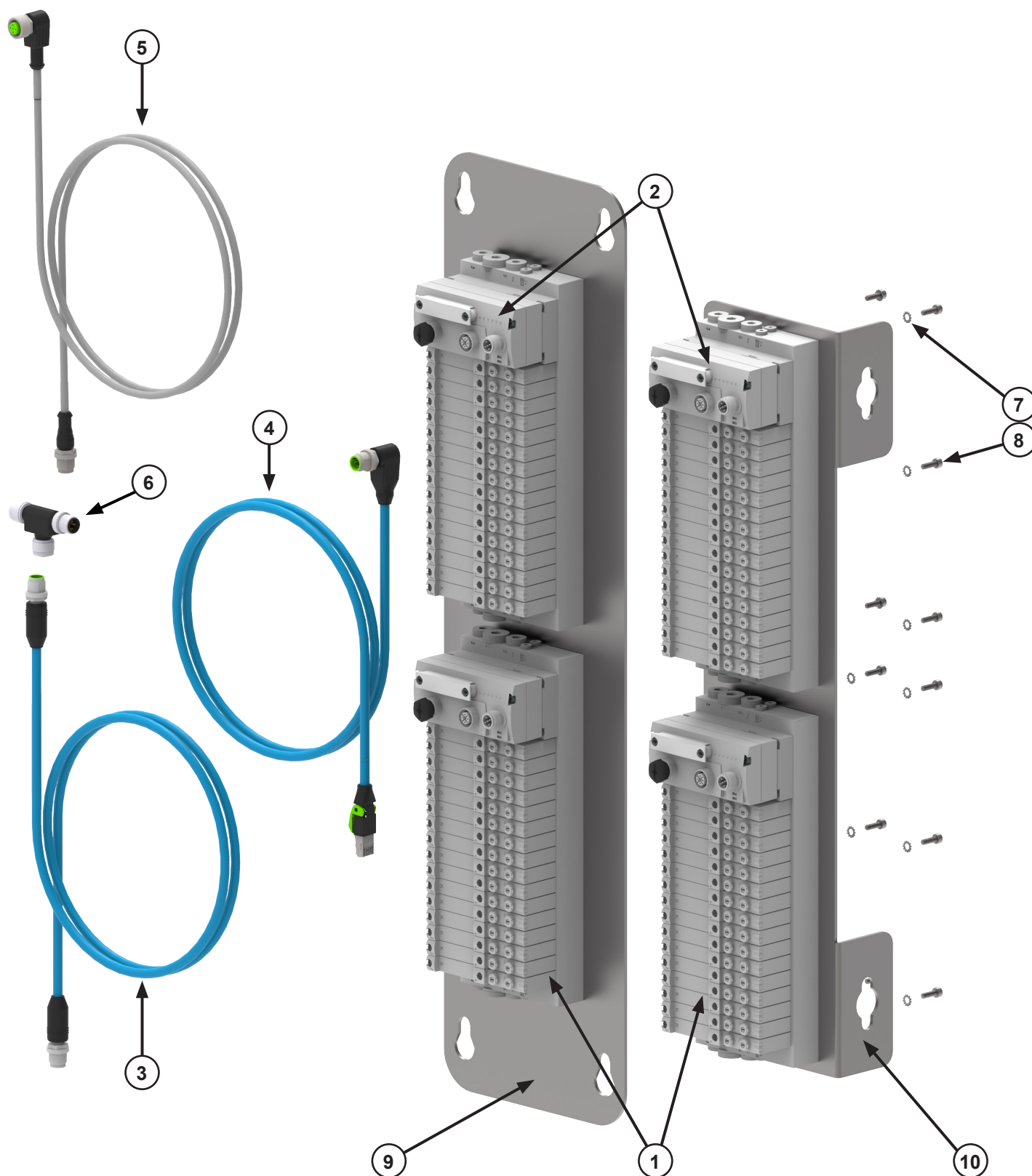


810-6200-11 I/O CONFIGURATION

I/O BLOCK ASSEMBLY (PART NUMBER 810-6200-XX*)						
Item	Part Number	Description	Quantity			
			-11	-10	-21	-20
1	–	ECAT COUPLER	1	1	1	1
2	240-5243	ECAT 16CH DIGI IN 24VDC 3MS	3	3	-	-
3	240-5174	4 CHANNEL ANALOG INPUT	3	2	2	1
4	240-5171	16 CHANNEL OUTPUT	1	1	-	-
5	240-5245	ECAT PSU	1	-	1	-
6	240-5173	1 PWM	1	-	1	-
7	240-5258	ECAT DIGI COMBI 8DI 8DO	1	-	1	-
8	EK1122	ETHERCAT EXT MOD	1	1	1	1
9	–	BUS END CAP	1	1	1	1

*These are configuration part numbers only, not parts that can be ordered.

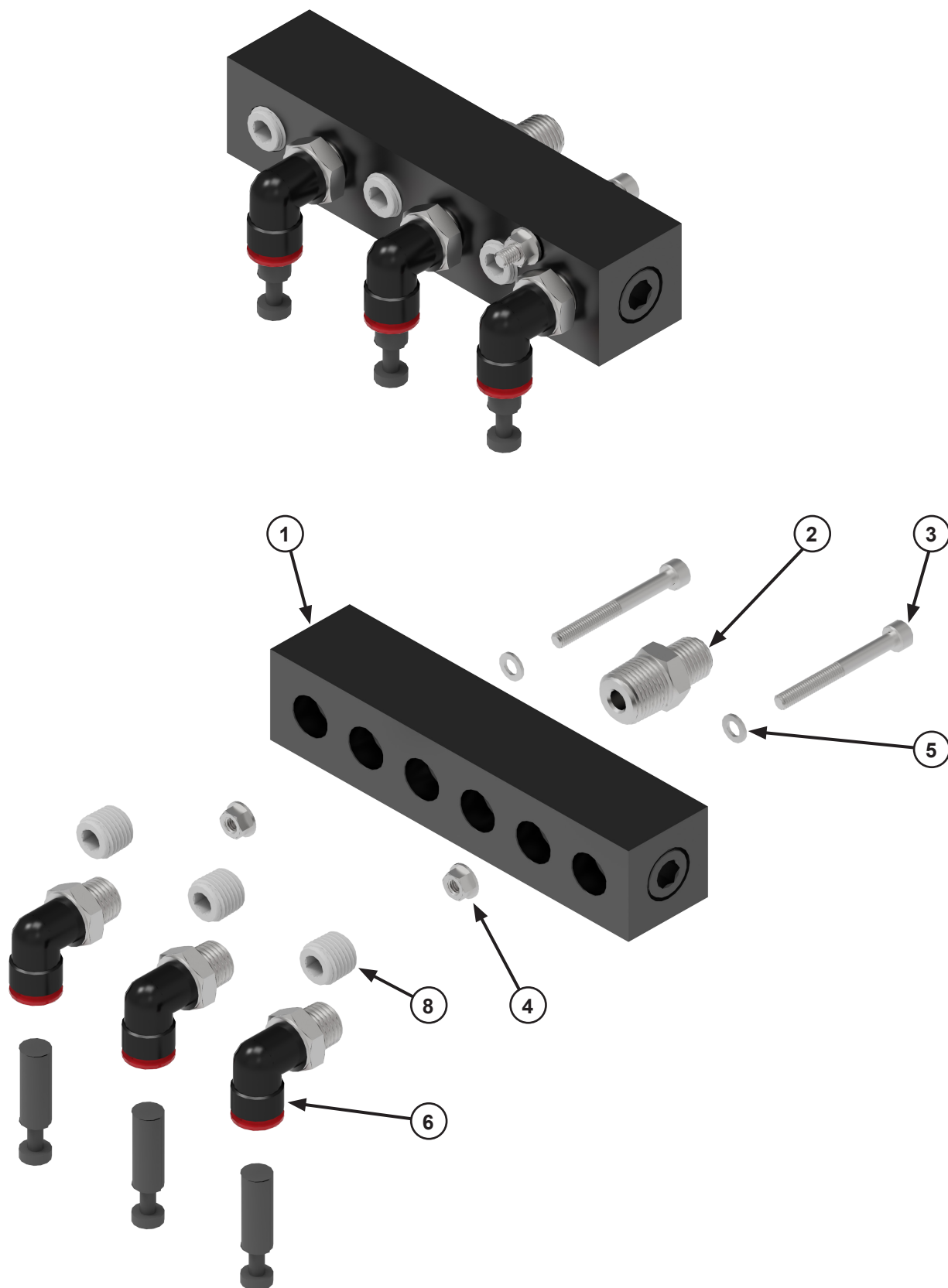
05.4.4 SOLENOID MANIFOLDS



SOLENOID MANIFOLDS (VTUG PANEL) (PART NUMBER 310-6960-01)

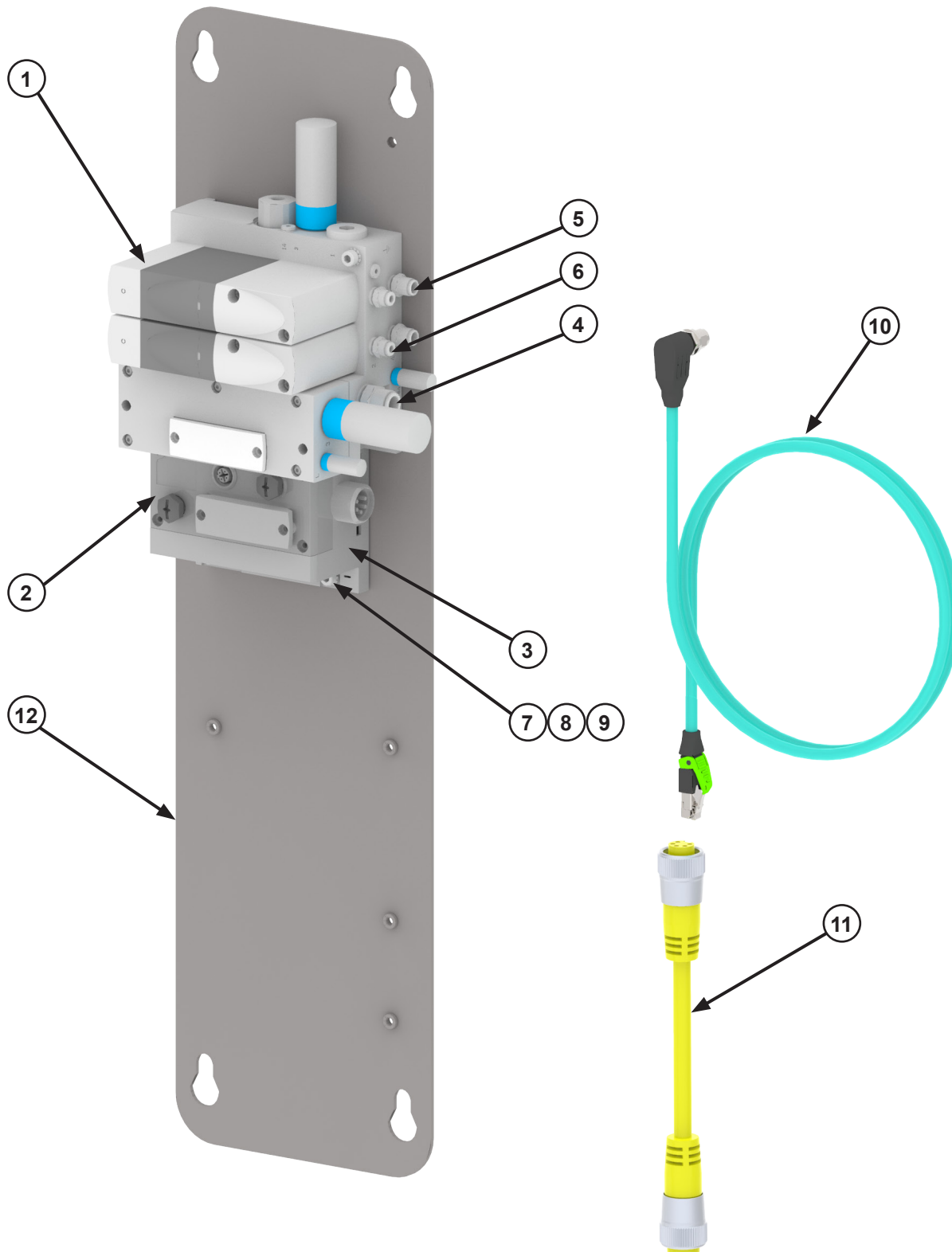
Item	Part Number	Description	Quantity
1	310-3920	VALVE MANIFOLD 32 SOLENOID BANK	1
2	310-6921	VTUG BUS NODE W/ECAT	1
3	310-4133	CABLE, CAT 5E, M12, 1M	-
4	310-4136	CABLE, ETHERNET, RJ45-90DEG M1	1
5	310-4148	CABLE, M12, 5 PIN, 0.3M, 90°	1
6	310-4195	TEE, M12 5 PIN	-
7	–	TOOTH WASHER, M4, 18-8	6
8	–	SHCS, M4, 12MM, 18-8	6
9	310-2800	SOLENOID MOUNTING PANEL	1
10	310-2812	VTUG WALL MOUNTING BRACKET	–

05.4.5 AIR MANIFOLD ASSEMBLY



AIR MANIFOLD ASSEMBLY (PART NUMBER 310-3900)			
Item	Part Number	Description	Quantity
1	–	AIR MANIFOLD	1
2	–	3/8" NPT (M) X 1/4" NPS (M)	1
3	–	SHCS, M5X0.8, 45MM LG, 18-8	2
4	–	SERRATED FLANGE LOCKNUT, M5X0.8, 18-8	2
5	–	FLAT WASHER, M5, 18-8	2
6	–	MALE ELBOW 3/8 TUBE X 1/4NPT	3
7	–	MAX AIR CAUTION LABEL (NOT SHOWN)	1
8	–	PIPE PLUG, 1/4"	3

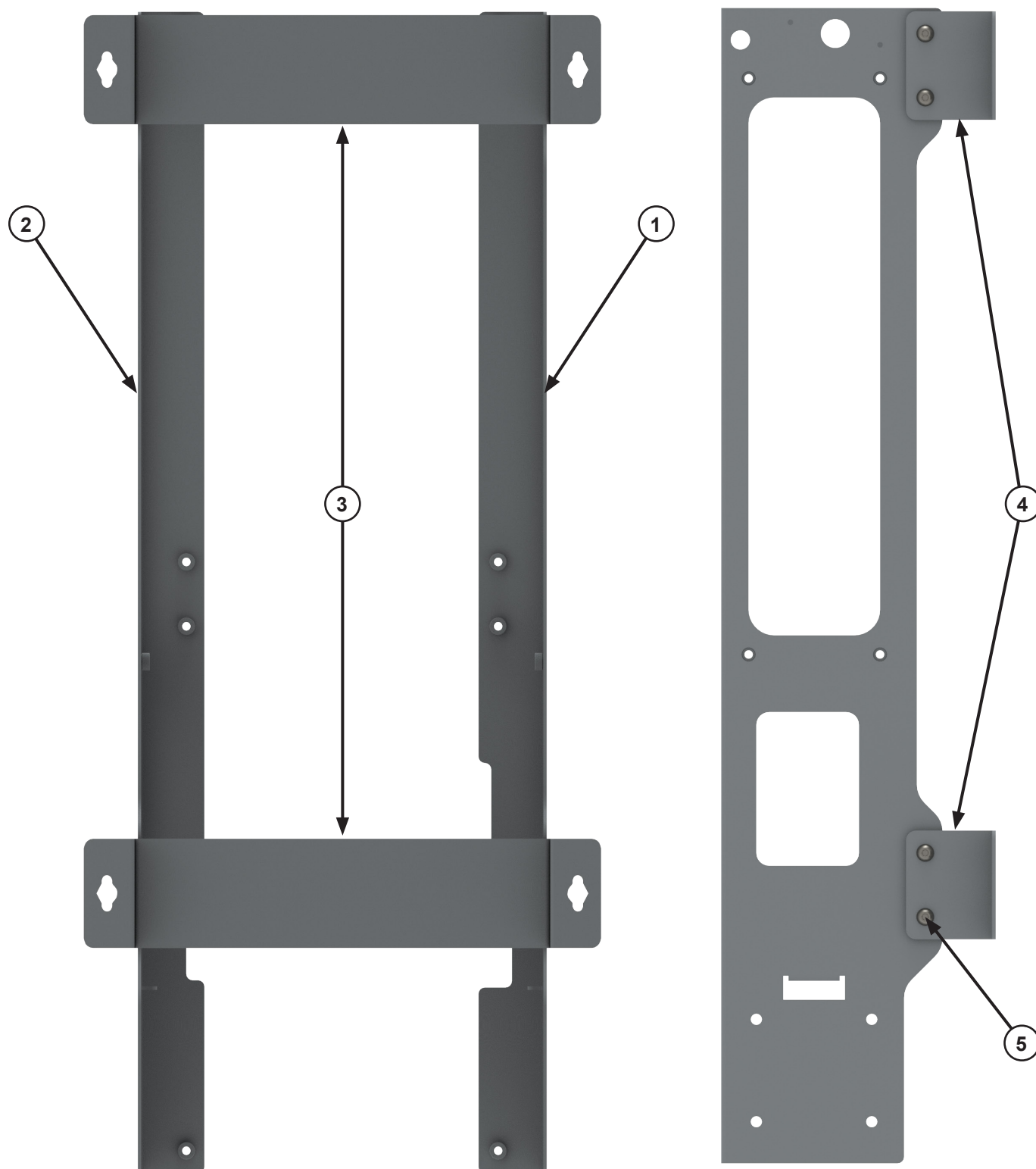
05.4.6 PRESSURE REGULATOR MODULE



PRESSURE REGULATOR MODULE (PART NUMBER 310-6940-01)

Item	Part Number	Description
1	310-6910	PRESSURE MANIFOLD ASSEMBLY, 2 REGULATORS
2	–	COMM MODULE, FOR VTEM REGULATORS
3	–	PNEUMATIC MUFFLER (W/310-3911)
4	–	G3/8 - 3/8" TUBE VTEM INLET
5	–	G1/8 - 1/4" TUBE VTEM to MVR
6	–	G1/8 - 4 MM TUBE VTEM to HGB
7	–	VTUG MOUNTING BOLTS
8	–	VTUG MOUNTING WASHERS
9	–	VTUG MOUNTING TOOTHED WASHERS
10	–	CBL, ETHERNET, RJ45-M12-90, 1M
11	–	CBL, MINI (7/8"), 5P, 2M, F-M
12	–	VTEM MOUNTING BRACKET

05.4.7 FLUID AND CONTROL FRAME ASSEMBLY



FLUID AND CONTROL FRAME ASSEMBLY			
Item	Part Number	Description	Quantity
1	-	CONTROL MOUNTING FRAME MEMBER 1	1
2	-	CONTROL MOUNTING FRAME MEMBER 2	1
3	-	FRAME BRACE	2
4	-	WALL MOUNTING BRACKET	4
5	-	BUTTON HEAD HEX DRIVE - M10X1	24

05.5 GEAR PUMP OPTIONS

RCS3 TOP-LEVEL ASSEMBLY (RCS3-XX-CDXX-XXXX)

Part Number	Description	Quantity
SEE TABLE C	GEAR PUMP A OPTION	-
SEE TABLE D	GEAR PUMP B OPTION	-

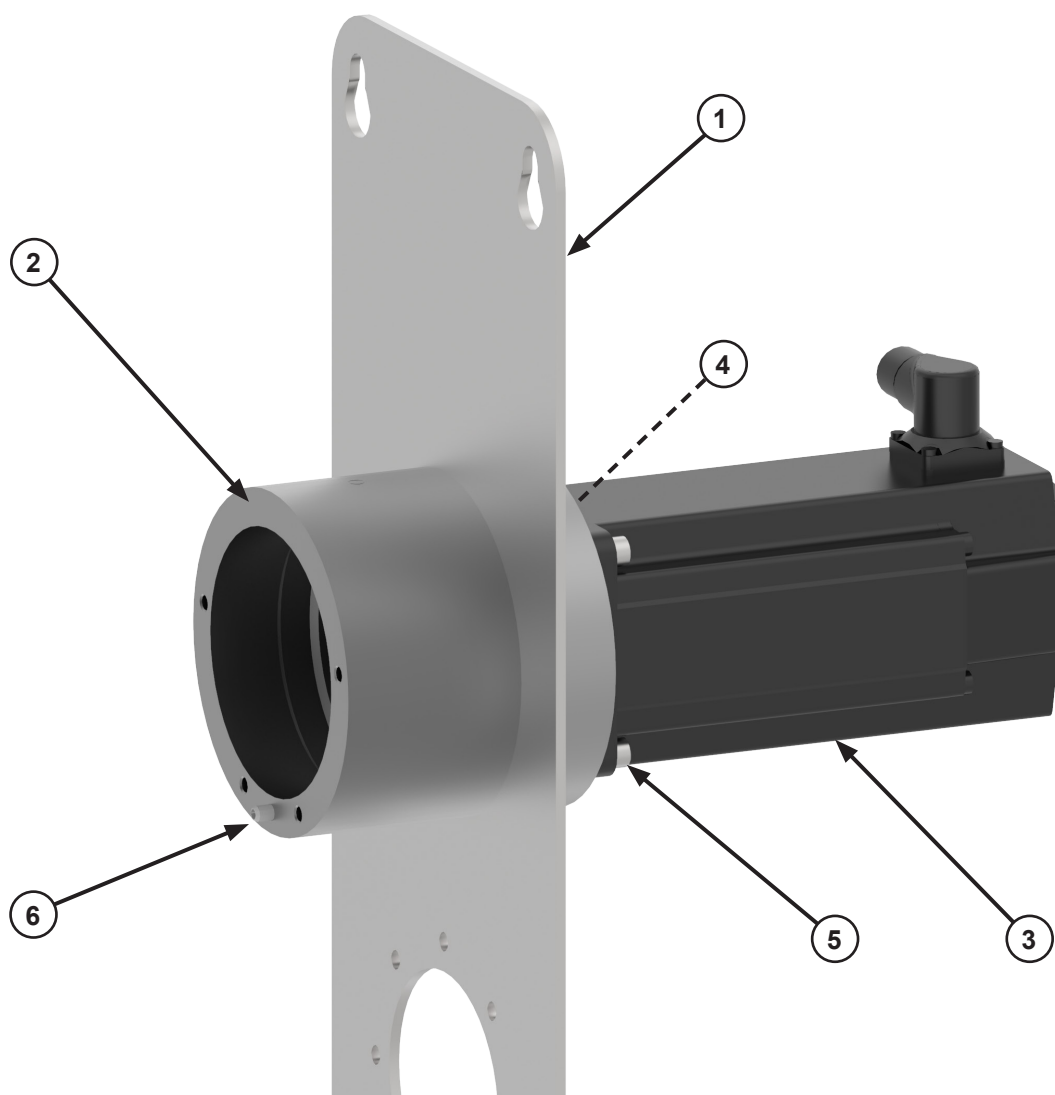
TABLE C: GEAR PUMP A

Digit	Part Number	Description	Quantity
1	810-8000-1	0.3 CC/REV	1
2	810-8000-2	1.2 CC/REV	1
3	810-8000-3	3 CC/REV	1
4	810-8000-4	6 CC/REV	1
5	810-8000-5	10 CC/REV	1
6	810-8000-1 + 810-5201	0.3 CC/REV WITH FLOW SENSOR	1
7	810-8000-2 + 810-5201	1.2 CC/REV WITH FLOW SENSOR	1
8	810-8000-3 + 810-5201	3 CC/REV WITH FLOW SENSOR	1
9	810-8000-4 + 810-5201	6 CC/REV WITH FLOW SENSOR	1

TABLE D: GEAR PUMP B

Digit	Part Number	Description	Quantity
1	810-8000-1	0.3 CC/REV	1
2	810-8000-2	1.2 CC/REV	1
3	810-8000-3	3 CC/REV	1
4	810-8000-4	6 CC/REV	1
5	810-8000-5	10 CC/REV	1
6	810-8000-1 + 810-5201	0.3 CC/REV WITH FLOW SENSOR	1
7	810-8000-2 + 810-5201	1.2 CC/REV WITH FLOW SENSOR	1
8	810-8000-3 + 810-5201	3 CC/REV WITH FLOW SENSOR	1
9	810-8000-4 + 810-5201	6 CC/REV WITH FLOW SENSOR	1

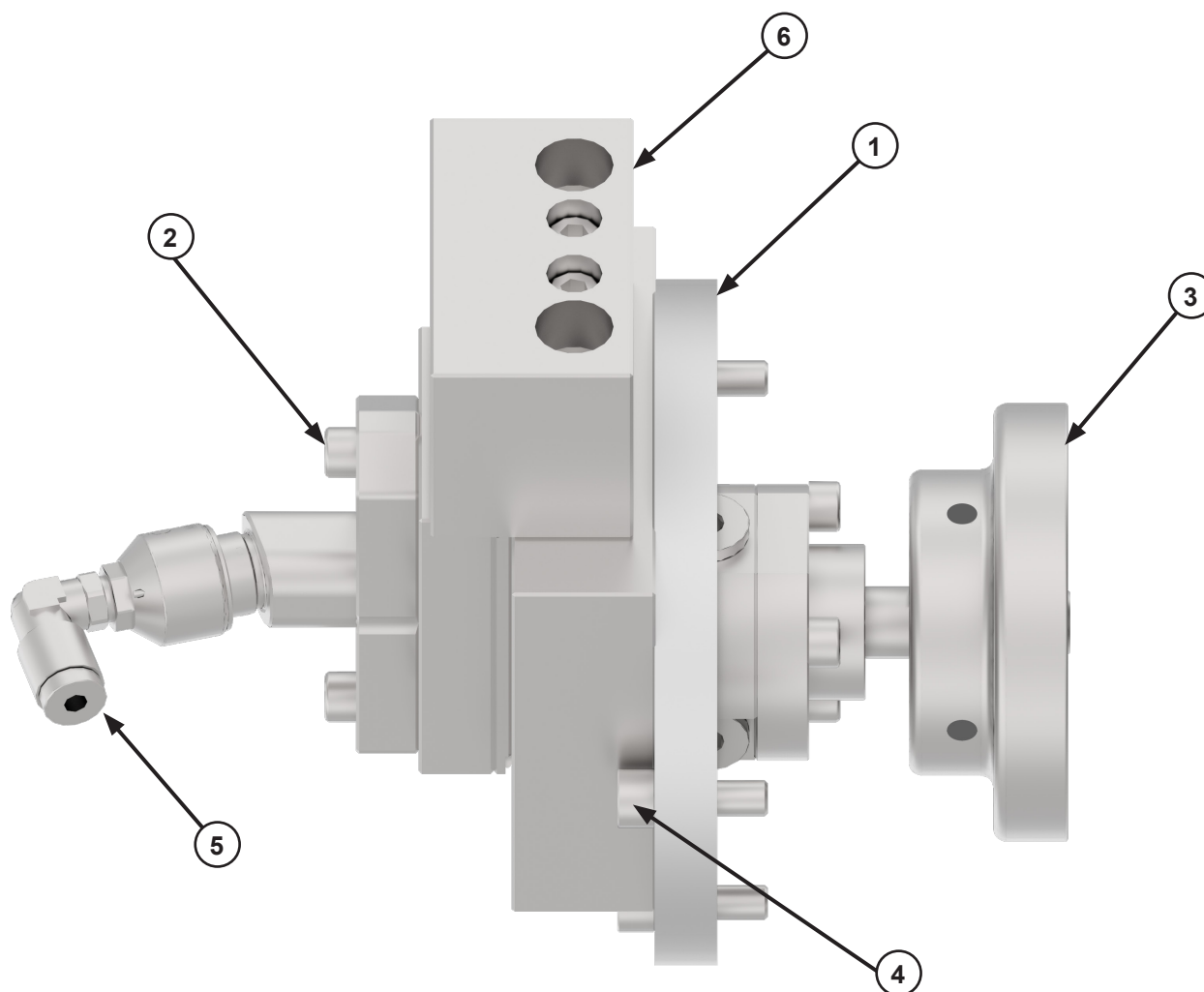
05.5.1 MOTOR MODULE ASSEMBLY



MOTOR MODULE ASSEMBLY			
Item	Part Number	Description	Quantity
1	-	PANEL, PUMP	1
2	-	PUMP COLLAR	2
3	-*	MOTOR, ASSEMBLY	2
4	-	SHCS, M6 X 14 MM, 18-8	8
5	-	SHCS, M6 X 35 MM, 18-8	8
6	-	SLOTTED SPRING PIN, 18-8	2

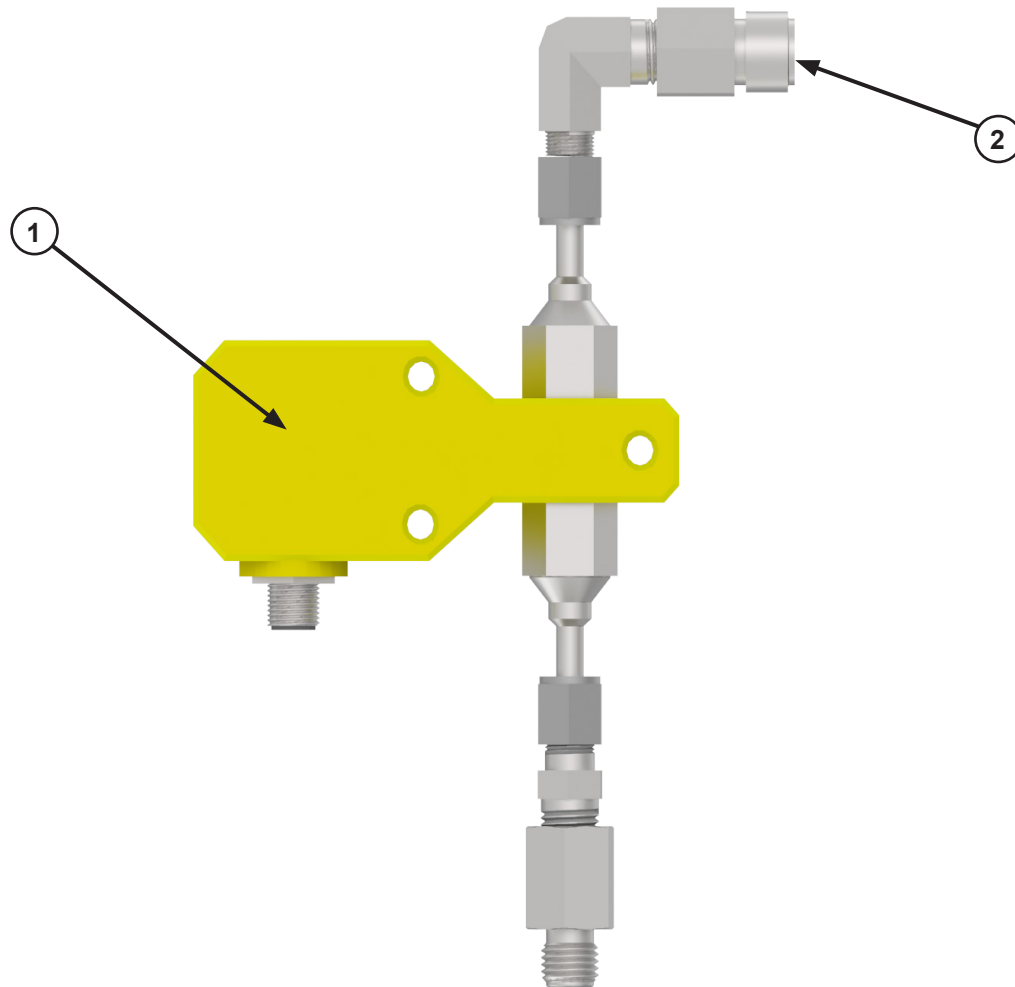
*See 06 Appendix – Kits, Accessories, and Spares for orderable spare part number.

05.5.2 GEAR PUMP ASSEMBLY



GEAR PUMP ASSEMBLY (810-8000-X)			
Item	Part Number	Description	Quantity
1	-	FLANGE, PUMP	1
2	-	SHCS, M6 X 25MM, 18-8	4
3	-	COUPLER, MAGNETIC, 12MM	1
4	-	SHCS, M6 X 18MM, 18-8	4
5	-	NHA-4X2.7 5/32" OD X .106" ID NYLON .025" WALL GREY	4'
6	SEE TABLE C AND D	PUMP, GEAR, X.XCC/REV	1

05.5.3 RCS3 FLOW SENSOR

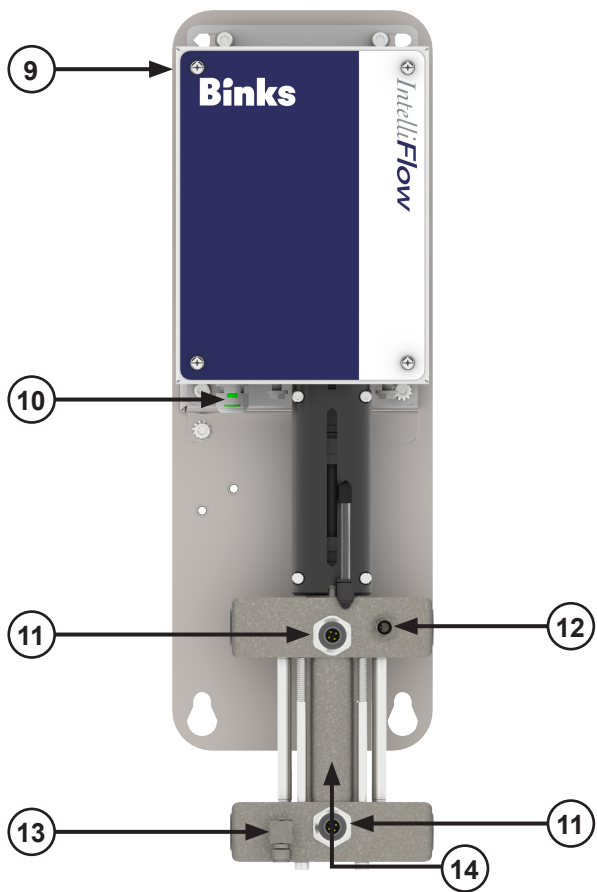
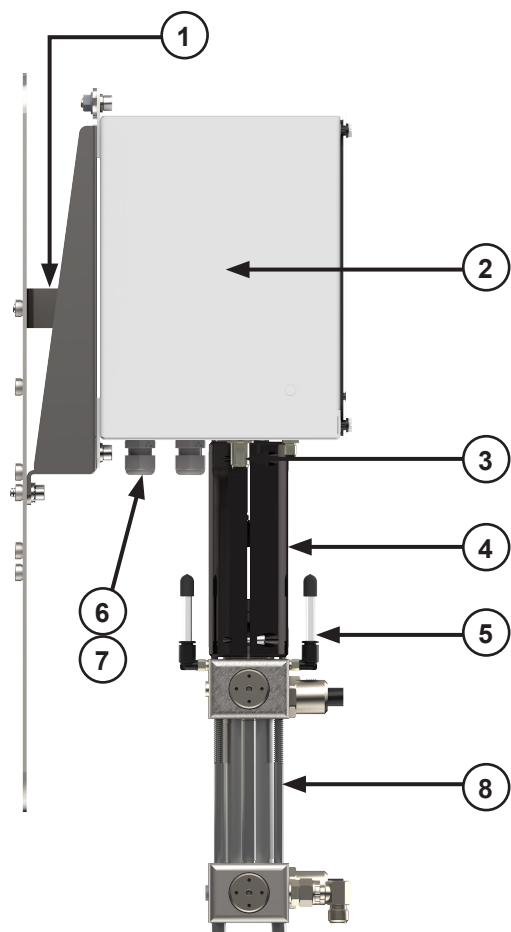


RCS3 Flow Sensor (810-5201)			
Item	Part Number	Description	Quantity
1	240-5201	FLOW SENSOR KIT	1
2	6-4T(F)	3/8" NPS(M) X 1/4" NPT(F)	1

05.6 DISPENSE PUMP

300 cc and 600 cc options. See manual 77-3167 Dispense Pump Service Manual for servicing.

RCS3 TOP-LEVEL ASSEMBLY (RCS3-XX-XXEX-XXXX)			
Digit	Part Number	Description	Quantity
0	-	NONE	-
1	310-3300-051	300 CC DISPENSE PUMP	-
2	310-3300-052	600 CC DISPENSE PUMP	-
3	310-3300-051+ 240-5201	300 CC DISPENSE PUMP WITH SENSOR	
4	310-3300-052+ 240-5201	600 CC DISPENSE PUMP WITH SENSOR	



DISPENSE PUMP (PART NUMBER 310-3300-05(1/2)*)			
Item	Part Number	Description	Quantity
1	—	PUMP ENCLOSURE MOUNT	1
2	—	DISPENSE PUMP ENCLOSURE	1
3	—	BULKHEAD, M12, 5 PIN, M2L, 1M	1
4	240-5348	LINEAR MOTOR ASSEMBLY	1
5	240-3117	OIL RESERVOIR ASSEMBLY	2
6	—	NYLON STRESS RELIEF FITTING, PG9	2
7	—	GRAY NYLON LOCKING NUT, PG9	2
8	240-5136-XXX	DISPENSE PUMP*	1
9	310-3301	FLUID CONTROL PANEL	1
10	310-4161	BULKHEAD, M8, 4 PIN, M2L, 0.5 MM	1
11	240-5186	PRESSURE SENSOR, 0-500 PSI	2
12	4T-4	FITTING, 1/4" NPT(M) X 1/4" NPS(M)	2
13	4SN-4-90	ELBOW FITTING, 1/4" NPS(M) x 1/4" NPS(F)	1
14	240-5187	CABLE M12 4-PIN CABLE, 2M	5

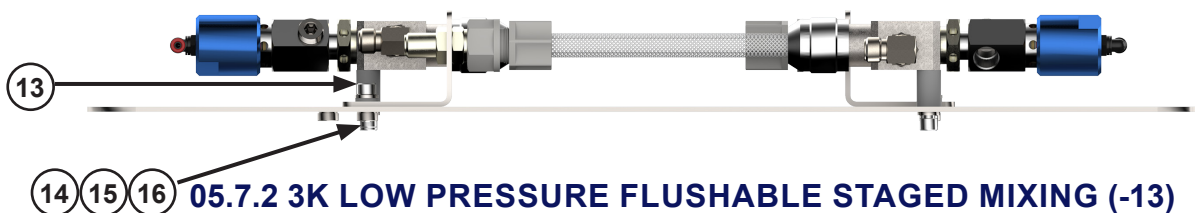
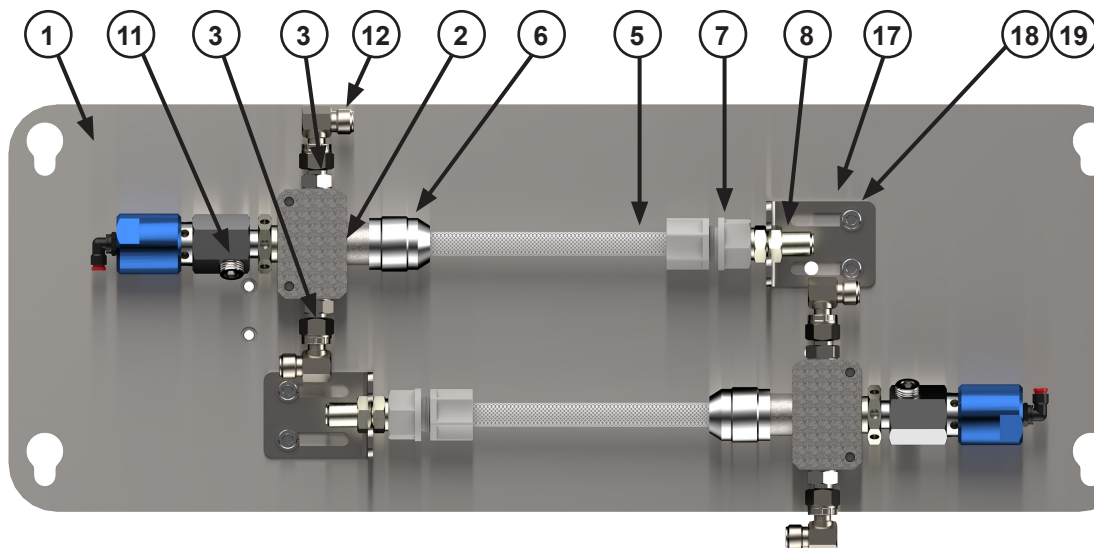
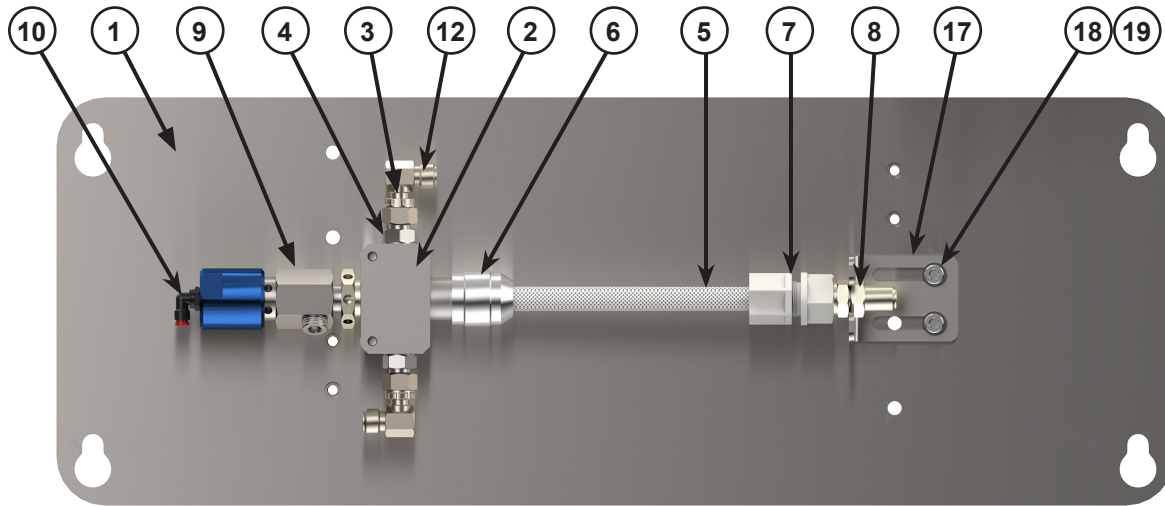
*300 cc (-051) or 600 cc (-052).

For detailed parts list please refer to 77-3167 Dispense Pump Service Manual.

05.7 MIX MODULES

RCS3 TOP-LEVEL ASSEMBLY (RCS3-XX-XXXF-XXXX)

Digit	Part Number	Description	Quantity
0	-	NONE	-
2	310-3800-11	2K LOW PRESSURE (FLUSHABLE)	-
3	310-3800-13	3K LOW PRESSURE (FLUSHABLE)	-



FLUID MIX PANEL – 2K AND 3K LP FLUSHABLE (PART NUMBER 310-3800-XX)

Item	Part Number	Description	2K Low Pressure Flushable (-11) Quantity	3K Low Pressure Flushable Staged Mixing (-13) Quantity
1	–	FLUID MIX PANEL WELDMENT	1	1
2	78015-00	2K MIX BLOCK	1	2
3	22-280	CHECK VALVE ASSEMBLY	2	4
4	22-285	SEAL	2	4
5	LSMM0056-00	3/8" ID x 18 ELEMENT MIXER	1	2
6	LSMM0057	MIX TUBE RETAINING KIT	1	2
7	–	FITTING, 1/2" ODT x 3/8" NPT (F), ACETAL	1	2
8	6T-4RB	FITTING, 3/8" NPT (M) x 1/4" NPS (M), BULKHEAD	1	2
9	CCV-503-SS	VALVE ASSEMBLY	1	2
10	JML-532-2T	1/8" NPT (M) x 5/32" TUBE ELBOW	1	2
12	4SN-4-90	FITTING, ELBOW, 1/4" NPS (M) x 1/4" NPS (F)	2	4
13	–	SPACER, 1/2" OD, 1/4" ID, 3/4" LG	2	4
14	–	SHCS, 1/4"-20, 1-7/8" LG, 18-8	2	4
15	–	WASHER, LOCK, 1/4", 18-8	2	4
16	–	WASHER, FLAT, 1/4", 18-8	4	8
17	–	MIXER MOUNT BRACKET	1	2
18	–	WASHER, LOCK, 18-8	–	4
19	–	SHCS, M6 x 1, 14MM LG, 18-8	2	4
28	–	LOCK WASHER, M6, 18-8	2	–

05.8 RESIN AND CATALYST STACKS

RCS3 TOP-LEVEL ASSEMBLY (RCS3-XX-XXXX-GGHH)

Part Number	Description	Quantity
SEE TABLE G	RESIN STACK OPTION	-
SEE TABLE H	CATALYST STACK OPTION	-

TABLE G: RESIN STACK OPTION

Digit	Part Number	Description	Quantity
00	310-6501-0001	REGULATOR ONLY	1
C1	310-6502-0201	1 CATALYST (2 VALVE)	1
C2	310-6502-0301	2 CATALYST (3 VALVE)	1
C4	310-6502-0501	4 CATALYST (5 VALVE)	1
01	310-6501-0311	1 COLOR (3 VALVE)	1
04	310-6501-0611	4 COLOR (6 VALVE)	1
07	310-6501-0911	7 COLOR (9 VALVE)	1
10	310-6501-1211	10 COLOR (12 VALVE)	1
12	310-6501-1411	12 COLOR (14 VALVE)	1

TABLE H: CATALYST STACK OPTION

Digit	Part Number	Description	Quantity
00	310-6501-0001	REGULATOR ONLY	1
C1	310-6502-0201	1 CATALYST (2 VALVE)	1
C2	310-6502-0301	2 CATALYST (3 VALVE)	1
C4	310-6502-0501	4 CATALYST (5 VALVE)	1
01	310-6501-0311	1 COLOR (3 VALVE)	1
04	310-6501-0611	4 COLOR (6 VALVE)	1
07	310-6501-0911	7 COLOR (9 VALVE)	1
10	310-6501-1211	10 COLOR (12 VALVE)	1
12	310-6501-1411	12 COLOR (14 VALVE)	1

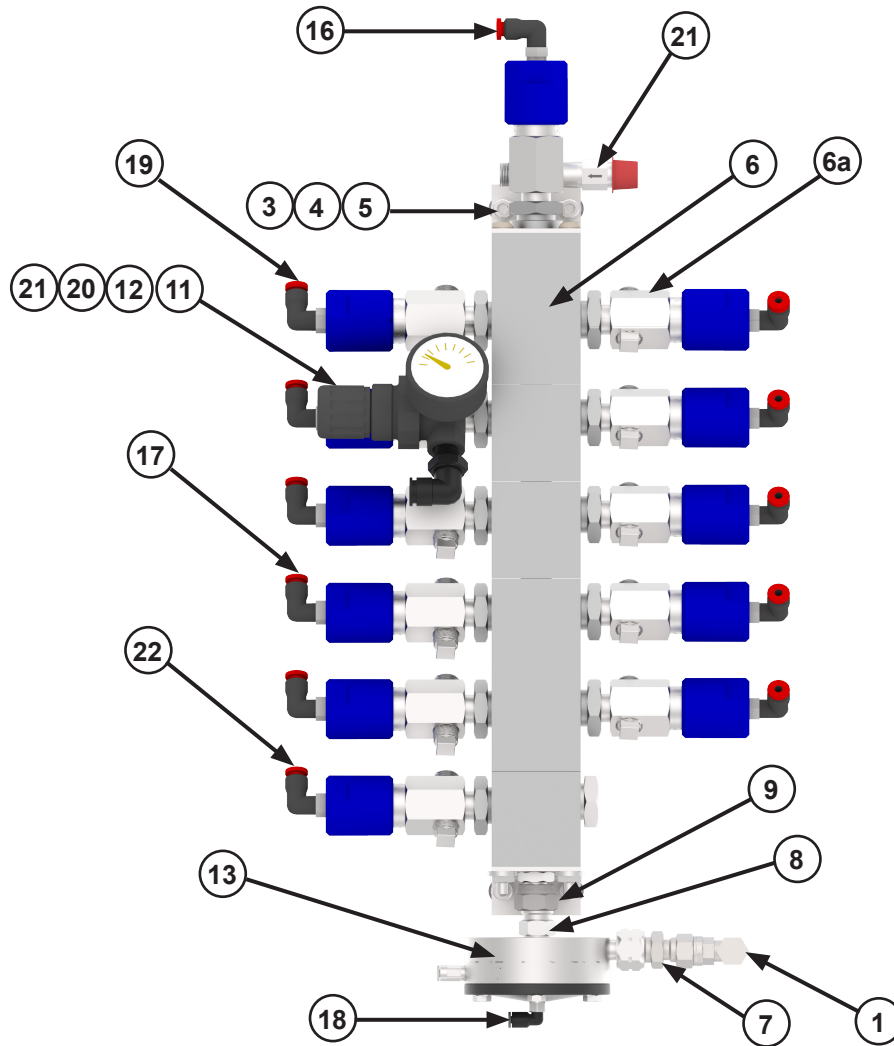
05.8.1 RESIN STACK WITH OPTIONAL AUTOMATIC FLUID PRESSURE REGULATOR

See 77-3118 Low-Pressure Color Change Valve Stacks for servicing and additional information on low-pressure color stacks (part number 240-5100). Refer to SB-6-HGB-R5 HGB Flow Regulator manual for more details on the regulator.

NUMBER OF VALVES
03 - 3 valves
06 - 6 valves
09 - 9 valves
12 - 12 valves
14 - 14 valves

REGULATOR TYPE
11 - Automatic Regulator
12 - Manual Regulator

310-6501-XXXX



310-6501-1211

12-valve resin stack, low-pressure air push, auto regulator

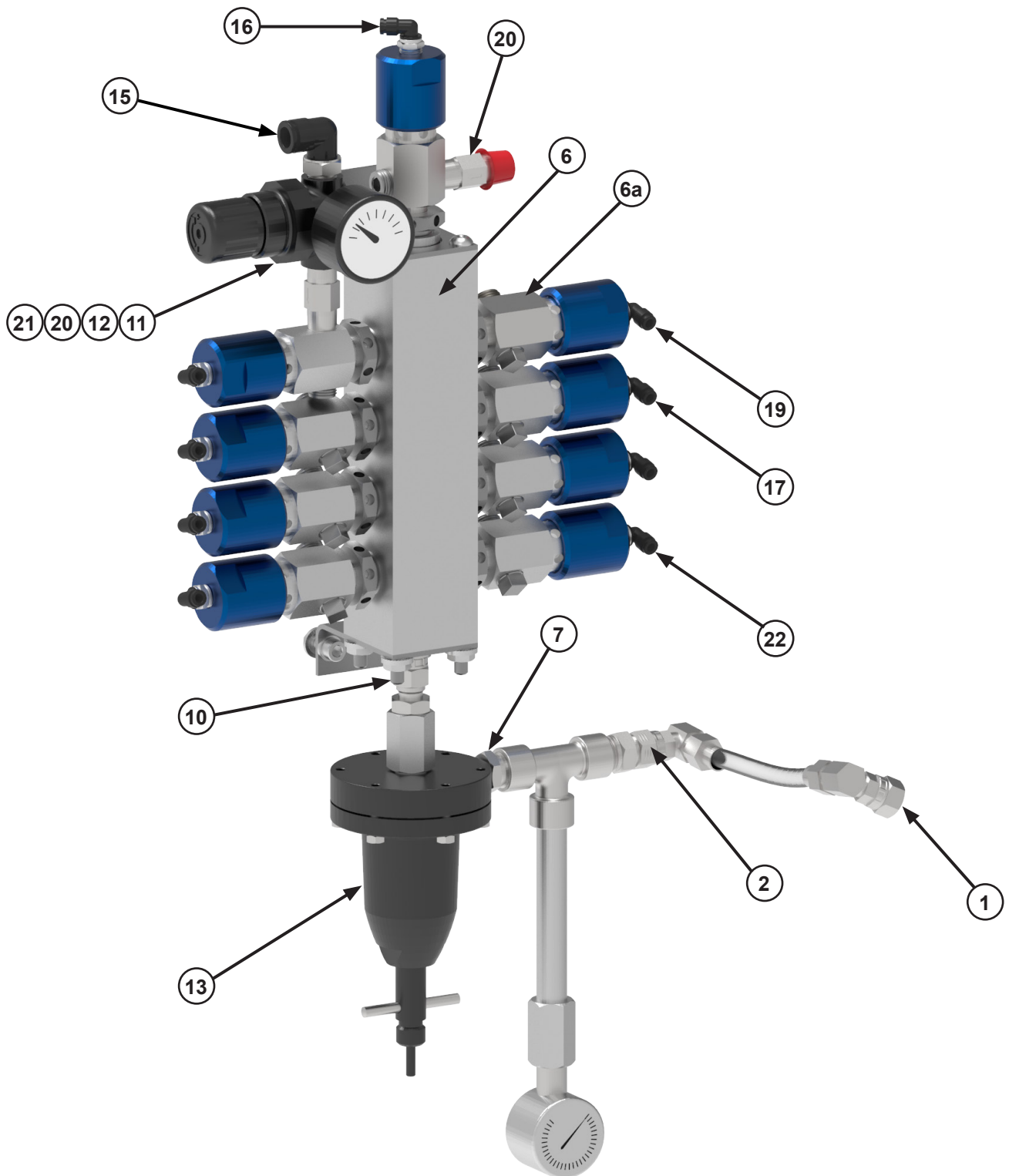
RESIN STACK WITH OPTIONAL AUTOMATIC FLUID PRESSURE REGULATOR

Item	Part Number	Description	Quantity/Model				
			-0311	-0611	-0911	-1211	-1411
1	1414-SS-90-T	HOSE FITTING 3/8" OD X 1/4" ID X 1/4" NPS (F) SWIVEL	2	2	2	2	2
2	1438-SS-90-T	HOSE FITTING 3/8" OD X 1/4" ID X 3/8" NPS (F) SWIVEL, 90	-	-	-	-	-
3	—	SHCS M6X1, 16MM LG, 18-8	4	4	4	4	4
4	—	FLAT WASHER, M6, 18-8	4	4	4	4	4
5	—	SERRATED FLANGE LOCKNUT, M6X1M	4	4	4	4	4
6	240-5103	LP COLOR STACK, 3 VALVE	1	-	-	-	-
	240-5106	LP COLOR STACK, 6 VALVE	-	1	-	-	-
	240-5109	LP COLOR STACK, 9 VALVE	-	-	1	-	-
	240-5112	LP COLOR STACK, 12 VALVE	-	-	-	1	-
	240-5114	LP COLOR STACK, 14 VALVE	-	-	-	-	1
6a*	CCV-503-SS	COLOR CHANGE VALVE	3	6	9	12	14
7	4-6	FITTING, 1/4" NPS (M) x 3/8" NPS (M)	1	1	1	1	1
8	4-6B	FITTING, 1/4" NPS (M) X 3/8" BSP (M)	-	-	-	-	-
9	4SN-6JIC	FITTING, 1/4" NPS (F) SWIVEL X 3/8" JIC (M)	-	-	-	-	-
10	6SN-6JIC	FITTING, 3/8" NPS (F) SWIVEL X 3/8" JIC (M)	1	1	1	1	1
11	A10857-00	AIR REGULATOR	1	1	1	1	1
12	GA-338	1/8" NPT BACK MOUNT GAUGE (0-160 PSI), 1 1/2" DIA	1	1	1	1	1
13	HGB-510-R1-CO	HGB FLUID PRESSURE REGULATOR ASSEMBLY	1	1	1	1	1
14	FEP-0604	3/8" OD 1/4" ID TEFLON PAINT HOSE, 290 PSI WP	1.25	1.5	1.66	1.83	2.0
15	NHA-375275-BL	3/8" TUBING BLACK	4	4	4	4	4
16	NHA-532	NHA-4X2.7 5/32" OD X .106" ID NYLON .025" WALL NATURAL	4	4	4	4	4
17	NHA-532B	NHA-4X2.7 5/32" OD X .106" ID NYLON .025" WALL BLUE	4	14	31.5	38	42
18	NHA-532G	NHA-4X2.7 5/32" OD X .106" ID NYLON .025" WALL GREEN	3.5	4	4.5	4.75	5
19	NHA-532S	NHA-4X2.7 5/32" OD X .106" ID NYLON .025" WALL SILVER	4	4	4	4	4
20	SSV-809	CHECK VALVE 1/4NPT (M) X 1/4NPT (M)	2	2	2	2	2
21	JML-38-4T	MALE ELBOW 3/8 TUBE X 1/4NPT	1	1	1	1	1
22	JML-532-2T	MALE ELBOW 5/32 TUBE X 1/8NPT	3	6	9	12	14
23	—	BRACKET, REGULATOR	-	-	-	-	-
24	—	BHCS, M5X0.8, 8MM LG, 18-8	-	-	-	-	-

*Part sold separately. See CCV-503-SS Color Change Valve Service Manual for more information on color change valves.

05.8.2 RESIN STACK WITH MANUAL FLUID PRESSURE REGULATOR

See 77-3118 Low-Pressure Color Change Valve Stacks for servicing and additional information on low-pressure color stacks (part number 240-5100).



310-6501-0912

9-valve resin stack, low-pressure air push, manual regulator shown

RESIN STACK WITH MANUAL FLUID PRESSURE REGULATOR

Item	Part Number	Description	Quantity/Model				
			-0312	-0612	-0912	-1212	-1412
1	1414-SS-90-T	HOSE FITTING 3/8" OD X 1/4" ID X 1/4" NPS (F) SWIVEL	1	1	1	1	1
2	1438-SS-90-T	HOSE FITTING 3/8" OD X 1/4" ID X 3/8" NPS (F) SWIVEL, 90	1	1	1	1	1
3	—	SHCS M6X1, 16MM LG, 18-8	4	4	4	4	4
4	—	FLAT WASHER, M6, 18-8	4	4	4	4	4
5	—	SERRATED FLANGE LOCKNUT, M6X1M	4	4	4	4	4
6	240-5103	LP COLOR STACK, 3 VALVE	1	-	-	-	-
	240-5106	LP COLOR STACK, 6 VALVE	-	1	-	-	-
	240-5109	LP COLOR STACK, 9 VALVE	-	-	1	-	-
	240-5112	LP COLOR STACK, 12 VALVE	-	-	-	1	-
	240-5114	LP COLOR STACK, 14 VALVE	-	-	-	-	1
6a*	CCV-503-SS	COLOR CHANGE VALVE	3	6	9	12	14
7	4-6	FITTING, 1/4" NPS (M) x 3/8" NPS (M)	-	-	-	-	-
8	4-6B	FITTING, 1/4" NPS (M) X 3/8" BSP (M)	1	1	1	1	1
9	4SN-6JIC	FITTING, 1/4" NPS (F) SWIVEL X 3/8" JIC (M)	1	1	1	1	1
10	6SN-6JIC	FITTING, 3/8" NPS (F) SWIVEL X 3/8" JIC (M)	-	-	-	-	-
11	A10857-00	AIR REGULATOR	1	1	1	1	1
12	GA-338	1/8" NPT BACK MOUNT GAUGE (0-160 PSI), 1 1/2" DIA	1	1	1	1	1
13	HGB-609-9-R38	MANUAL FLUID REGULATOR ASSEMBLY	1	1	1	1	1
14	FEP-0604	3/8" OD 1/4" ID TEFLON PAINT HOSE, 290 PSI WP	1.25	1.5	1.66	1.83	2.0
15	NHA-375275-BL	3/8" TUBING BLACK	4	4	4	4	4
16	NHA-532	NHA-4X2.7 5/32" OD X .106" ID NYLON .025" WALL NATURAL	4	4	4	4	4
17	NHA-532B	NHA-4X2.7 5/32" OD X .106" ID NYLON .025" WALL BLUE	4	14	31.5	38	42
18	NHA-532G	NHA-4X2.7 5/32" OD X .106" ID NYLON .025" WALL GREEN	-	-	-	-	-
19	NHA-532S	NHA-4X2.7 5/32" OD X .106" ID NYLON .025" WALL SILVER	4	4	4	4	4
20	SSV-809	CHECK VALVE 1/4NPT (M) X 1/4NPT (M)	2	2	2	2	2
21	JML-38-4T	MALE ELBOW 3/8 TUBE X 1/4NPT	1	1	1	1	1
22	JML-532-2T	MALE ELBOW 5/32 TUBE X 1/8NPT	3	6	9	12	14
23	—	BRACKET, REGULATOR	-	-	-	-	-
24	—	BHCS, M5X0.8, 8MM LG, 18-8	-	-	-	-	-

*Part sold separately. See CCV-503-SS Color Change Valve Service Manual for more information on color change valves.

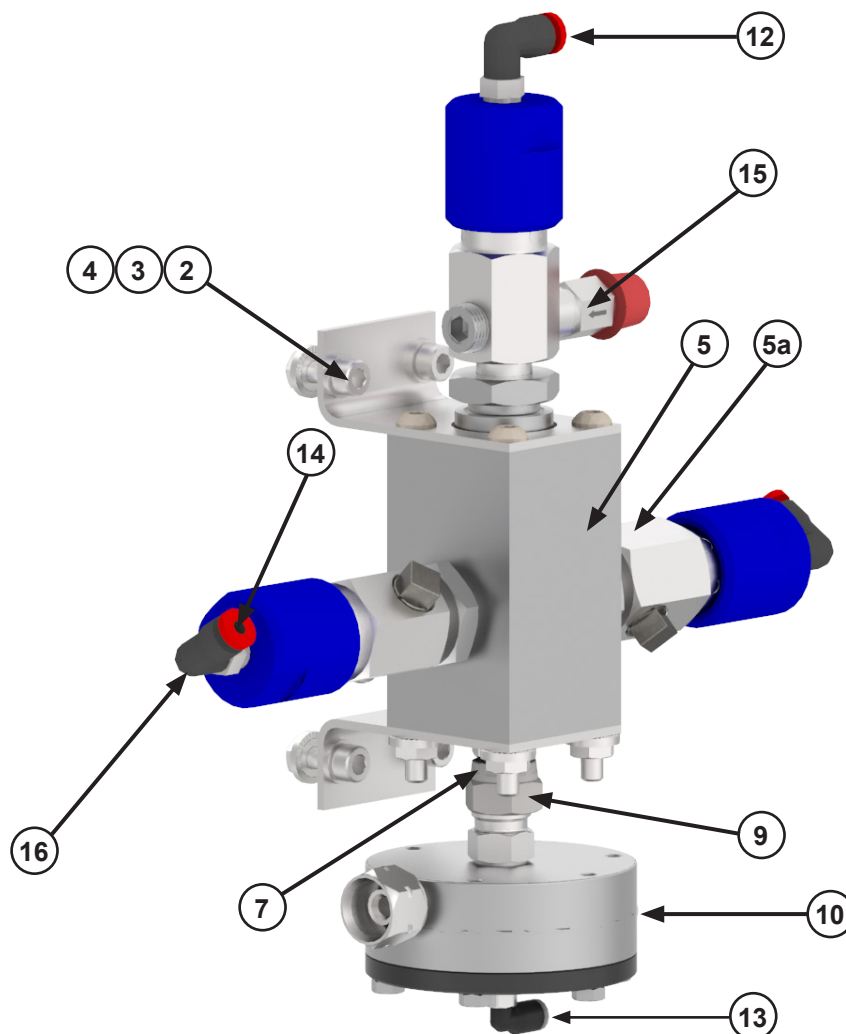
05.8.3 CATALYST STACK

See 77-3118 Low-Pressure Color Change Valve Stacks for servicing and additional information on low-pressure color change stacks (part number 240-5100). Refer to SB-6-HGB-R5 HGB Flow Regulator manual for more details on the regulator.

NUMBER OF VALVES
02 - 2 valves
03 - 3 valves
05 - 5 valves

REGULATOR TYPE
00 - Manual Regulator
01 - Automatic Regulator

310-6502-XXXX



310-6502-0301

3-valve catalyst stack, automatic regulator shown

CATALYST STACK (PART NUMBER 310-6502-XXXX)

Item	Part Number	Description	Quantity/Model					
			-0200	-0201	-0300	-0301	-0500	-0501
1	1414-SS-90-T	HOSE FITTING 3/8" OD X 1/4" ID X 1/4" NPS (F) SWIVEL	1	2	1	2	1	2
2	—	SHCS M6X1, 16MM LG, 18-8	4	4	4	4	4	4
3	—	FLAT WASHER, M6, 18-8	4	4	4	4	4	4
4	—	SERRATED FLANGE LOCKNUT, M6X1M	4	4	4	4	4	4
5	240-5103	LP COLOR STACK, 3 VALVE	-	-	1	1	-	-
	240-5105	LP COLOR STACK, 5 VALVE	-	-	-	-	1	1
	240-5102	LP COLOR STACK, 5 VALVE	1	1	-	-	-	-
5a*	CCV-503-SS	COLOR CHANGE VALVE	3	6	9	12	14	
6	4-6	FITTING, 1/4" NPS (M) X 3/8" NPS (M)	-	1	-	1	-	1
7	4-6JIC	FITTING, 1/4" NPS (M) X 3/8" AN	1	-	1	-	1	-
8	4T-6TF	1/4 NPT (M) X 3/8" TF	1	-	1	-	1	-
9	6SN-6JIC	FITTING, 3/8" NPS (F) SWIVEL X 3/8" JIC (M)	-	1	-	1	-	1
10	HGB-510-R1-CO	HGB FLUID PRESSURE REGULATOR ASSEMBLY	-	1	-	1	-	1
11	FEP-0604	3/8" OD X 1/4" ID TEFLON PAINT HOSE, 290 PSI WP	1.16	1.16	1.16	1.16	1.25	1.25
12	NHA-532	NHA-4X2.7 5/32" OD X .106" ID NYLON .025" WALL NATURAL	4	4	4	4	4	4
13	NHA-532G	NHA-4X2.7 5/32" OD X .106" ID NYLON .025" WALL GREEN	-	3	-	3	-	3
14	NHA-532Y	NHA-4X2.7 5/32" OD X .106" ID NYLON .025" WALL YELLOW	4	4	7	7	14	14
15	SSV-809	CHECK VALVE 1/4NPT (M) X 1/4NPT (M)	1	1	1	1	1	1
16	JML-532-2T	MALE ELBOW 5/32 TUBE X 1/8 NPT	2	2	3	3	5	5

*Part sold separately. See CCV-503-SS Color Change Valve Service Manual for more information on color change valves.

06 APPENDIX – KITS, ACCESSORIES, AND SPARES

KITS, ACCESSORIES, AND SPARES	
Part Number	Description
310-2002	FLOOR STAND KIT
310-5008	FLUID PANEL COVER
310-8030	SCREEN PROTECTOR KIT
HGB-510-R1-CO	HGB INLET PRESSURE REGULATOR
310-4002	15" HMI, PROGRAMMED
74151-01	FLUID REGULATOR, 2 STAGE, DR-1, 1:2 (NEED 4SN-2T & 4SN-4SN FITTINGS)
74151-11	FLUID REGULATOR, 2 STAGE, DR-1, 1:1 (NEED 4SN-2T & 4SN-4SN FITTINGS)
240-5203	REMOTE COLOR CHANGE KIT - 7 RECIPE
310-5203	REMOTE COLOR CHANGE KIT - 14 RECIPE
72-2341	SWIVEL ADAPTER 100 MESH
310-6171	WI-FI MODULE WITH ANTENNA
240-5205-1	GUN FLUSH BOX KIT, 1 GUN
240-5205-2	GUN FLUSH BOX KIT, 2 GUN
240-3198-C	FLUSH BOX SADDLE - BINKS 2100
240-3198-D	FLUSH BOX SADDLE - BINKS TROPHY TOUCH UP
240-3198-F	FLUSH BOX SADDLE - BINKS TROPHY AA
240-3198-G	FLUSH BOX SADDLE - DEVILBISS JGA / JGHV
240-3198-H	FLUSH BOX SADDLE - RANSBURG VECTOR
240-3198-J	FLUSH BOX SADDLE - DEVILBISS GTI PRO LITE
240-3198-K	FLUSH BOX SADDLE - DEVILBISS ADVANCE HD
240-3198-L	FLUSH BOX SADDLE - RANSBURG RANSFLEX
240-3198-M	FLUSH BOX SADDLE - BINKS TROPHY
240-3198-X	FLUSH BOX SADDLE - DVX
310-4930	DISCRETE I/O MODULE
310-4142	COMMS GATEWAY, ETHERNET IP
310-4143	COMMS GATEWAY, PROFINET
310-4144	COMMS GATEWAY, DEVICENET
310-4145	COMMS GATEWAY, CC-LINK
310-4146	COMMS GATEWAY, ETHERCAT
310-4164	COMMS GATEWAY, MODBUS TCP
310-4051	SOLENOID BANK ADD-ON KIT W/ECAT
810-2813-32	WALL MOUNTED SOLENOID BANK W/ECAT (32 SOL)
810-2813-64	WALL MOUNTED SOLENOID BANK W/ECAT (64 SOL)
810-7100	SERVO MOTOR, RCS3 GEAR PUMP
810-8050	TRANSDUCER, PRESSURE
240-5201	CATALYST FLOW SENSOR KIT (NEED 6-4T(F) FITTING)
6-4T(F)	ADAPTER FOR FLOW SENSOR KIT
KK-4841	CCV REPAIR KIT, LP
22-280	CHECK VALVE
SSV-809	CHECK VALVE

KITS, ACCESSORIES, AND SPARES

Part Number	Description
LSMM0056-00	STATIC MIXER
310-3915	PROPORTIONAL VALVE, INDIVIDUAL REPLACEMENT
310-3925	SOLENOID VALVE, INDIVIDUAL REPLACEMENT
13742-01	AIR FLOW SWITCH
240-5189	AIR CUT OFF VALVE
CCV-503-SS	CCV VALVE, LP
240-51XX	LOW PRESSURE COLOR STACK, XX = 01 - 31, 1 TO 31 VALVES
810-8000-1	SPARE GEAR PUMP ASSEMBLY (0.3CC/REV)
810-8000-2	SPARE GEAR PUMP ASSEMBLY (1.2 CC/REV)
810-8000-3	SPARE GEAR PUMP ASSEMBLY (3 CC/REV)
810-8000-4	SPARE GEAR PUMP ASSEMBLY (6 CC/REV)
810-8000-5	SPARE GEAR PUMP ASSEMBLY (10 CC/REV)
810-7000-1.5	DRIVE MOTOR EXTENSION CABLE, 1.5M
810-7000-10	DRIVE MOTOR EXTENSION CABLE, 10M
810-7000-20	DRIVE MOTOR EXTENSION CABLE, 20M
810-7000-27	DRIVE MOTOR EXTENSION CABLE, 27M
810-2319	RCS3, MOTOR DRIVE, PROGRAMMED
310-4185-025	EXTENSION CABLE, M12M-M12F, 4 WIRE, SHLD, 25FT
310-4185-050	EXTENSION CABLE, M12M-M12F, 4 WIRE, SHLD, 50FT
310-4185-075	EXTENSION CABLE, M12M-M12F, 4 WIRE, SHLD, 75FT
310-4185-100	EXTENSION CABLE, M12M-M12F, 4 WIRE, SHLD, 100FT
78015-00	MIX MANIFOLD ASSEMBLY, LP, WITH SOLVENT FLUSH

MANUAL CHANGE SUMMARY

Date	Description	Version
06/2026	Initial release.	R1.0

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WARRANTY POLICY

This product is covered by Binks' materials and workmanship limited warranty.

The use of parts or accessories from sources other than Binks will void all warranties. Failure to follow reasonable maintenance guidance provided can invalidate the warranty.

For specific warranty information, please contact Binks.

For technical assistance or to locate an authorized distributor, contact one of our international sales and customer support locations listed below.

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