From the team that brought you MAGLOCK[®], the magnetic helmet connection for forced-air systems. Introducing FLUIDLOGIC[™], the world's first, fully programmable, high-tech and hassle-free hydration systems for motorsports applications.

With more than 3 years of testing and development, FLUIDLOGIC[™] has been proven in the toughest motorsports events in the world. From the Baja 1000, to the Brickyard of Indy, our product development team has worked tirelessly to provide a system that has proven itself to keep drivers hydrated at speed in the heat of battle.

On-road, off-road, open-wheel, recreational and more! No matter if you're a professional or an amateur driver you will enjoy the ease of use that FLUIDLOGIC[™] offers.

With the simple touch of the microbutton FLUIDLOGIC[™] delivers fresh fluid, to the users lips, with programmed doses, at the desired strength. An LED light on the Microbutton can be programmed by the user to flash at a predetermined time to reminder the user to hydrate.

Magnetic connections, utilizing MAGLOCK[®] technology, allow Drivers to quickly and safely attach hydration to their Helmets for Forced-air or open-wheel applications. In the case of a, "Hot Extract", when every second counts, drivers and safety personnel can easily remove our system for the driver to exit the vehicle as quickly and safely as possible. The fear of further injury is virtually eliminated.

The future of hydration is here with $\mathsf{FLUIDLOGIC}^{\mathsf{TM}}$ in your vehicle. Welcome to the Hydration Nation!

HASSLE-FREE HYDRATION AT SPEED

Steering wheel mounted button allows you to hydrate at anytime, anywhere while doing battle.

HYDRATION DELIVERED EFFORTLESSLY TO YOUR LIPS

No more reaching for a hose and sucking to get the fluid flowing. Those days are over. Touch the button and fluid flows freely immediately and effortlessly.

FULLY PROGRAMMABLE TO HOW YOU LIKE TO DRINK

Program how much fluid is delivered with a single press, and how often the system reminds you to drink and at what strength the dose is delivered.

• EXPANDABLE CONTROL OF THE SYSTEM

Manage multiple FLUIDLOGIC[™] Systems and customize user profiles inside the FLUIDLOGIC[™] App.

PACE THE RACE AND FINISH STRONG

Program the system to deliver hydration on schedule, not over-drink and ensure you have fluid throughout the race.

FASTER AND EASIER RECOVERY

Consistent hydration is less taxing on the body. Our research shows that small frequent doses, hydrates more effectively. Keeping the body from overdosing and taxing the system. Recovery is more efficient and faster overall.

DESIGNED IN CALIFORNIA / PATENT FLUIDLOGIC.COM/PATENTS • RAINMAKER SOLUTIONS, INC. EL SEGUNDO CA 90245 FLUIDLOGIC.COM AND THE CIRCUMFERENTIAL BANDS AROUND THE FLUIDLOGIC.COM QUICK CONNECTS ARE TRADEMARKS OF RAINMAKER SOLUTIONS, INC. 2020 • MADE IN USA • FLUIDLOGIC.COM

HYDRATION FOR THE HUMAN RACE



INSTALLATION INSTRUCTIONS · PRODUCT SAFETY & LEGAL DISCLAIMER

IMPORTANT READ ALL INSTRUCTIONS CAREFULLY BEFORE INSTALLING, FAILURE TO DO SO MAY CAUSE PERSONAL INJURY OR DAMAGE TO PRODUCT AND/OR PROPERTY.

• Review the product packaging and contents prior to beginning the installation. Take care when opening the packaging and removing items. If a return is necessary it is best to return the product in its original packaging if possible.

• This instruction guide is provided as a GENERAL installation guide, some vehicles vary dimensionally and may require additional steps. If at any time you have any concerns about your ability to install this product please reach out to a qualified installation specialist to provide professional installation of this product.

• Test fit the product on the vehicle prior to any third party modifications and/or finishing. The manufacturer and/or retailer do not accept responsibility for third party charges, labor and/or third part replacement modifications. Some modifications may void the factory warranty.

• Exercise due-diligence when installing this product. The manufacturer and retailers of this product do not accept any responsibility for vehicle damage or personal injury resulting from the installation of this product. Careless installation and operation can result in serious injury or equipment damage.

• This product is for general off-highway use. All liability for installation and use rests with the owner/operator.

• INSTALLER: Once installation is complete, please return this guide along with other documentation included in this product back to the consumer for future reference. The manufacturer/retailers of this product do not guarantee this particular version will be available at a later date.

INJURY HAZARD

• Please complete a shop and tool inspection prior to beginning the installation.

• Always make sure you have a clean, dry and well lit work area.

• Always remove jewelry, loose fitting clothing and wear protective gloves and eye protection.

• Always use extreme caution when jacking or raising a vehicle for work. Set the emergency brake and use tire/wheel blocks and jack stands. Refer to the vehicle manufacturer hand book. Utilize the vehicle manufacturer's designated lifting points.

• Always use appropriate and adequate care in lifting parts during disassembly and installation. Seek help in lifting heavy or large items into place. Utilize jack stands and or lifting devices when lifting the vehicle.

• Always ensure products are secure during disassembly and installation.

• Always wear eye protection and take steps to protect any exposed skin during the installations. Drilling, cutting and grinding plastic and metal may create flying particles that can cause injury.

• Always use extreme caution when drilling, cutting and or grinding on a vehicle. Thoroughly inspect the area to be drilled, on both sides of material, prior to modification and relocate any objects that may become damaged.

• Always assemble and tighten all fasteners per the installation instructions.

• Always route electrical cables carefully. Avoid moving parts, parts that may become hot and rough, or sharp edges.

• Always insulate and protect all exposed wiring and electrical connections.

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POD

INVENTORY LIST



POD

TOOLS NEEDED





Locate the current location of your existing fluid reservoir. Bladders, insulated coolers or insulated bottles are all suitable devices. FluidLogic does not include a container with the kit as each vehicle requires its own suitable size and location

Take the Pod and install the Roll Bar Mount onto the Pod after identifying the correct orientation. The water flows from the "F" of FluidLogic[™] logo toward the "C" and outward to the user. Note, the Roll Bar Mount can be placed on the top or the bottom of the Pod depending on your preference.

LIOLOGIC



Using a 3mm Hex Key, install the Roll Bar Mount to the Pod. Please note, that the Mount also has threaded inserts so that it can be mounted to a plate or bulkhead in the vehicle.



for the reservoir.

Locate the Roll Bar Hose Clamp in the Pod to Dash Cable Bag. Fully open the included Roll Bar Hose Clamp using a 5/16" socket or driver.



Pass the Roll Bar Hose Clamp through the Roll Bar Mount and the Pod.



Select a safe location in the vehicle that is clear of impacts, foreign debris, heat, exhaust fumes etc.



Using a 5/16" socket or driver, tighten the Hose Clamp around the bar and securely mount the Pod inside the vehicle.



Locate the 1/4" Fluid Line.



Disconnect the CPC Connectors and take note of the male and female connectors and unwind the Fluid Line.



Connect the female connector to the inlet side of the Pod.



Once connected run the Fluid Line towards the fluid reservoir.

POD



Give the line plenty of slack to assure that once connected to the fluid reservoir there is no restrictions. Measure twice!



Assure the measurements are correct and cut the Fluid Line. Keep the remaining section of Fluid Line for use later in the installation. (Coaxial Section #13). Insure the cut is clean, and perpendicular to avoid any leaks, this is very important.



Take the supplied loose male CPC Connector and prepare to connect it to the fluid reservoir.



Slide the supplied Heat Shrink over the cut end of the Fluid Line.



Insert the male CPC Connector into the cut end of the Fluid Line. Once seated into position, slide the Heat Shrink over the end of the connection. Make sure to slide the Heat Shrink half-way onto the hexagonal CPC Connector end.



Once the Heat Shrink is properly aligned, heat the material with a heat gun, being careful not to over-heat the area.

POD



Insert the CPC Connector into the Bladder and locate it in its final storage location.



Locate the 12 Volt Cable.



Take the installed Gray Deutsch Connector and insert it into the rear inlet side of the Pod.



Make sure that when you insert the Gray Deutsch Connector you hear a secure, "Click" to assure that the part is inserted correctly.



Secure the 12 Volt Cable to the vehicle and run it towards the power source. In this instance, we are running both the 12 Volt Cable AND the Fluid Line together for a clean, efficient look. If using Zip Ties, be sure not to over tighten them as this may inhibit fluid flow.



Run the 12 Volt Cable to the power source in the vehicle and connect it to a 10 amp fuse circuit.



Locate the Pod to Dash Cable.



Align the arrow of the connector with the Pod and carefully connect the two. Once installed correctly, the connector will "Click" to confirm it is attached correctly.



Route the Pod to Dash Cable through the vehicle, working towards the dash, within the vicinity of the steering wheel.



Take the Pod to Dash Cable and mount the dash end directly to a secure area on or behind the dash or to the steering column, making sure to secure the Cable away from any moving parts that may damage or detach the Cable. An opening of 20mm will assure proper connection.



Once the Pod to Dash Cable is run, note the arrow. Mount the arrow upward so that it is easily seen by the user.



POD

Locate the Microbutton Cable.



Take the connector and align the arrows. Push and rotate the collar counter-clockwise into the locking position. Route the Cable to the desired side of the steering wheel.



Find a location on the steering wheel face for the Microbutton. The location should be within thumbs reach and easily accessible while driving.



Secure the Microbutton using the supplied Zip Ties to the steering wheel. Cut off the excess Zip Tie material, rotate the wheel from lock to lock to assure the Cable does not interfere with the operation of the vehicle.



Download the FluidLogic[™] application from the Apple App Store. Scan the above code to do so.



Power the vehicle/Pod and open the FluidLogic[™] app to pair the device with your phone. You should be within a reasonable distance in order to pair the device successfully, using the QR Code located on the underside of the Pod packaging box lid or on the bottom side of the Pod itself.



Once paired, adjust the parameters and test the pump by pressing the Microbutton. No fluid is needed to test the system. Once the Microbutton is pressed, the pump will make an audible noise indicating it is operating.

POD





COAXIAL

INSTALLATION INSTRUCTIONS

COAXIAL

INVENTORY LIST



COAXIAL

TOOLS NEEDED





Once the Pod is completely installed, locate the Hub.



The Hub will be installed onto the forced air hose that attaches to the helmet. Find a clear section of the hose that is accessible to the user.



Using a sharp knife, pierce the hose making a clean cut in a 360 degree fashion. Expose the wire core and prepare to cut it.



Using wire cutters cut the wire to separate the hose sides completely.



Align the exterior elbow to face the output of the Pod. Note, the output side of the Hub is located INSIDE the Hub.



Apply a small amount of silicone onto the threads of the hose and thread the hub onto the hose in a counter-clockwise direction.



Locate the 6mm Hub Line.



Run the 6mm Hub Line through the open end of the hose that goes to the user's helmet.



Feed the 6MM Hub Line so that it runs through the entire Hose and exposes itself to the helmet end and has a few inches of extra Hub Line.



Take the 6MM Hub Line that is now run through the air hose and press it into the Legris.



Bring the air hose to the Hub, apply a small amount of silicone onto the threads, and thread the hose onto the Hub in a counter-clockwise direction.



Once complete, secure the hose, with zip ties making sure not to over tighten.



Locate the remaining piece of 1/4" Fluid Line that was provided from the Pod installation.



Take the male end of the CPC Connector and plug it into the output side of the Pod and run the Fluid Line towards the Hub.



Mark the Fluid Line, leaving a bit of extra Line so that it doesn't bind or kink. Use the end of the Elbow as a guide of where to cut the Line.



Using the Cutters, make a clean cut to the Fluid Line. Insure the cut is clean, and perpendicular to avoid any leaks, this is very important.



Slide the supplied Heat Shrink over the Fluid Line. Remove the Elbow, using a fingernail to depress the Legris, from the Hub. Insert it into the cut section of the Fluid Line.



Slide the Heat Shrink over the end, making sure to cover both the Fluid Line and the Legris. Make sure not to overheat the part.



Install the Elbow back into the Hub.



Locate the Hose Side of the Coaxial Maglock[®].



Moving to the end of the Forced-Air Hose, prepare to install the Hose Side Coaxial Maglock[®].



Take the Air Hose, now with the Fluid Line running through it, and mark the Fluid Line to be cut. Leave a bit of extra line so that it doesn't bind or kink. Use the orange line as a guide of where to cut. *Insure the cut is clean, and perpendicular to avoid any leaks, this is very important.*



Insert the 6mm Fluid Line into the Legris until it stops.



Bring the Air Hose to the Hose Side Coaxial Maglock[®], apply a small amount of silicone onto the hose threads and thread the Hub onto the hose in a counter-clockwise direction.



Locate the Maglock[®] Dock.



Magnetically attach the Dock to the Hose Side Maglock[®]. Before exposing the adhesive tape on the back of the dock, sit in the vehicle, find a suitable location to mount the Dock assuring that it doesn't interfere with user ingress and egress.



Remove the double-stick tape and mount the Dock in the desired location, usually on the roof. The adhesive will adhere quickly but allow up to 24hrs for it to completely bond.



Locate the AquaCom that fits the users specific Microphone. Included are two sizes, the Baja and the Pro. Baja shown above.



Take the AquaCom and moisten the inside the cavity to allow the microphone to easily slide into the AquaCom. Note, The microphone was removed from the helmet to show the installation in the best light possible. Removal of the microphone in not necessary for installation.



Gently slide the AquaCom over the microphone being careful not to damage the microphone or the AquaCom.





Here is an example of the finished installation.



Locate the 4mm AquaCom Line.



Run the 4mm AquaCom Line into the AquaCom's Grey Legris.



Run the 4mm AquaCom Line through the interior of the helmet making sure not to kink the line.



Have the 4mm AquaCom Line exit through the forced-air barbed opening on the Helmet.



Locate the Helmet Side of the Coaxial Maglock®.



Take the 4mm AquaCom Line, now running through the barbed opening of the helmet, and mark the Water Line to be cut, leaving a bit of extra line so that it doesn't bind or kink. Use the orange line as a guide of where to cut. Insure the cut is clean, and perpendicular to avoid any leaks, this is very important.



Run the 4mm AquaCom Line into the Helmet Side Coaxial Maglock[®] Legris. Use pliers, if needed as the working space may be limited.



Using the supplied allen wrench, place the Maglock onto the barb and tighten the Helmet Side Coaxial Maglock[®] onto the helmet. DO NOT OVER-TIGHTEN!!!



Test the connection of the Helmet Side and Hose Side Coaxial Maglock[®]. Place the helmet onto the user and prepare to use the system. Adjust the Aquacom closely to the users lips and prepare to take a drink of fluid.



Power the vehicle/Pod. The user should purse their lips and prepare for fluid to flow. Depress the Microbutton and drink. Test to make sure fluid is flowing properly. If priming is needed, see troubleshooting section below for instructions.



Use the FluidLogic[™] app to adjust to the users specifications. Welcome to the Hydration Nation!





INSTALLATION INSTRUCTIONS



INVENTORY LIST





TOOLS NEEDED





Locate the FluidLogic $^{\rm TM}$ Helmet Side Flush 360 and Hose.



Make sure that the location is free and clear of any obstructions and will not interfere with any safety devices, such as head and neck mounts, etc. We suggest running the Flush 360 along the chin bar.



Clean and prep the location on the helmet. Remove the 3M VHB backing and apply with firm, even pressure.



Tuck the 4mm Hose Line between the cheek padding and the inner shell of the helmet making sure not to kink the line so fluid can flow properly.



Locate the AquaCom that fits your specific microphone. Included are two sizes, the AquaCom Baja and the AquaCom Pro. AquaCom Baja shown above.



Take the AquaCom and moisten the inside of the cavity to allow the AquaCom to easily slide onto the microphone.

FLUSH 360.



Gently slide the AquaCom over the microphone being careful not to damage the microphone or the AquaCom.



Here is an example of the finished installation.



Run the 4mm line from the Flush 360 through the interior of the helmet to the AquaCom. Trim any extra line off and install the end into the Aquacom's Legris. *Insure the cut is clean, and straight to avoid any leaks, this is very important.*



Locate the Flush 360 Hose Side Line.



Take the male end of the CPC Connector and plug it into the output side of the Pod. It will be the side with the "C" of "FluidLogic™" on it.



Secure the Water Line coming from the Pod towards the helmet. In this instance, using zip ties, be sure not to over tighten them as over-tightening may inhibit fluid flow.

FLUSH 360



Run the Hub Line through the vehicle and approximate the length of the Line needed to reach the user's helmet.



Remove the Flush 360 from the Hub Line by depressing the Grey Legris. Cut the 6mm Hub Line with hose cutters and make sure to leave a few extra inches to assure the user has enough line to move freely. *Insure the cut is clean, and perpendicular to avoid any leaks, this is very important.*



Slide the 6mm Hub Line into the Hose Side of the Flush 360 Legris Connector until the Hose stops.



Place the helmet in the seat location and assure that the line allows for free movement. Move the helmet to the left, right, up and down. If there is excess line, remove the line from the Legris by simply depressing the gray collar and trim to fit.



Place the helmet onto the user and test fit the Flush 360. Power and prime the system and test to make sure fluid is flowing properly. Adjust the Flush 360 to the user's liking.

Use the FluidLogic[™] app to adjust to the user's specifications. Welcome to the Hydration Nation!



HYDRATION FOR THE HUMAN RACE,



USER INSTRUCTIONS



DOWNLOAD THE FLUIDLOGIC APP.



APP

This is a basic instruction on what steps need to take place in order to connect your system.

You can customize your systems name, add a photo and register your system.

IMPORTANT READ ALL INSTRUCTIONS CAREFULLY BEFORE USAGE. FAILURE TO DO SO MAY CAUSE PERSONAL INJURY OR DAMAGE TO PRODUCT AND/OR PROPERTY.



Scan the QR Code on the Pod or underside of the Pod's Box Packaging Lid with your camera. If preferred, you can enter it manually. If inputting the code manually, use the 12 digit code located directly below the QR Graphic.

Register your FluidLogic[™] system. Enter your name, email, birthdate and activity you are using the system with and Upload.

connect to the App.

IMPORTANT READ ALL INSTRUCTIONS CAREFULLY BEFORE USAGE. FAILURE TO DO SO MAY CAUSE PERSONAL INJURY OR DAMAGE TO PRODUCT AND/OR PROPERTY.



Once paired, name the Pod to associate which driver or vehicle the system is installed in.

The user can take or upload a photo to customize the user profile.

Manual Mode: Manual allows the user to adjust the Volume of fluid delivered (in milliliters) with a single button press. Level 3 is a good place to start. Long pressing the button will override the setting and deliver fluid as long as it's held. Strength adjusts how forceful the delivery is. The selection of Semi-Auto introduces Interval, which allows the user to choose how often they will be alerted to drink by the LED button mounted on the steering wheel. Selecting Advanced Configuration will bring controls for the LED alert. IMPORTANT READ ALL INSTRUCTIONS CAREFULLY BEFORE USAGE. FAILURE TO DO SO MAY CAUSE PERSONAL INJURY OR DAMAGE TO PRODUCT AND/OR PROPERTY.



The user can control both the Idle LED Brightness to match in-cabin lighting and the Alert LED Brightness. The Alert LED will blink 3 times when it reaches its interval and stay lit to show that an alert has passed. Press the LED Button to deliver fluid and restart the interval cycle.

The Presets selector sits above the Mode buttons. The user can select recommended hydration configurations.

A check mark will be displayed once pairing with the Pod is complete. Welcome to the Hydration Nation!

Press apply to sync your device with the adjusted parameters.

HYDRATION FOR THE HUMAN RACE

MAINTAINING THE SYSTEM

• It is extremely important to clean your FluidLogic[™] system after use, especially if using drink mixes or additives. If the system has not been used for a prolonged period of time please inspect the lines to assure no issues with the system.

• To clean the system, fill the bladder with hot water and 2 tablespoons of baking soda or cleaning tablets. Mix the solution inside your reservoir/water containment device making sure to thoroughly mix the contents and allow to sit for 15 minutes.

• Power on the FluidLogic[™] system, connect the reservoir/water containment device and flush the entire system with all the contents. Allow to sit for 15 minutes.

• Refill your reservoir/water containment device with hot water and mild soap making sure to flush all the previous solution through.

• Refill your reservoir/water containment device with fresh water and flush the system for a final time.

• Disconnect the hoses at the Pod and Hub and allow the water inside to completely drain out of the lines. If necessary, gently blow air from one end of the line to push out any remaining water and allow system to completely dry.

• If the system requires additional cleaning, remove and replace the Lines before use.

• For prolonged storage, please completely drain down the system.

WARRANTY

Rainmaker Solutions Inc. warranties this product to be free from defects in material or workmanship for a period of two (2) years following the date of purchase, provided that the product is used in a proper environment. This limited warranty does not cover failures due to abuse, accidental damage or when repairs have been made

●By the original owner

or attempted by anyone other than Rainmaker Solutions, Inc. and its Authorized Service Representatives. A defective product, meeting the warranty conditions set forth herein, will be replaced or repaired at the discretion of Rainmaker Solutions Inc.

FLUIDLOGIC.COM

HYDRATION FOR THE HUMAN BAGE

TROUBLE SHOOTING

• If the Water Lines are void of fluid the system will need to be primed. Priming consists of allowing the Pod to push out any air in the system until fluid reaches the Pod from the reservoir.

1. On occasion you will need to help the Pod bring the fluid into the pump. If the Pod needs assistance to pull the fluid to the pump, perform the following steps.

A. Please disconnect the Water Line where it attaches to the Hub's Elbow. Power the system and press the Microbutton. This should allow fluid to flow more freely through the system and should remedy the problem.

B. If the problem persists please disconnect the 1/4" Fluid Line from the output side of the Pod. The left side as you face it, closest to the "F". Note that water flows from the "F" of FluidLogic™ logo toward the "C" and outward to the user.

C. Bring the hose to your mouth and apply suction to the Line. Once the fluid has come to the end of the Line attach it back onto the Pod and run the system to remove any remaining air from the Fluid Lines.

2. If the problem persists please check the Lines to assure that none of them have become kinked inhibiting the flow of fluid through the system. If a Line has become kinked you can remedy the problem with the following steps:

A. Heating the hose a bit with a blow dryer or heat gun on the low setting and reshape the hose back into the proper shape.

B. Replace the line that has become kinked, assuring that the pathway allows for proper flow for fluid in the lines. If necessary, re-route the line to avoid future issues.

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HIGH-TECH,

HASSLE-FREE,

HYDRATION



AT THE TOUCH

OF A BUTTON.



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