

PUL CONEKT EQUIPMENT START-UP

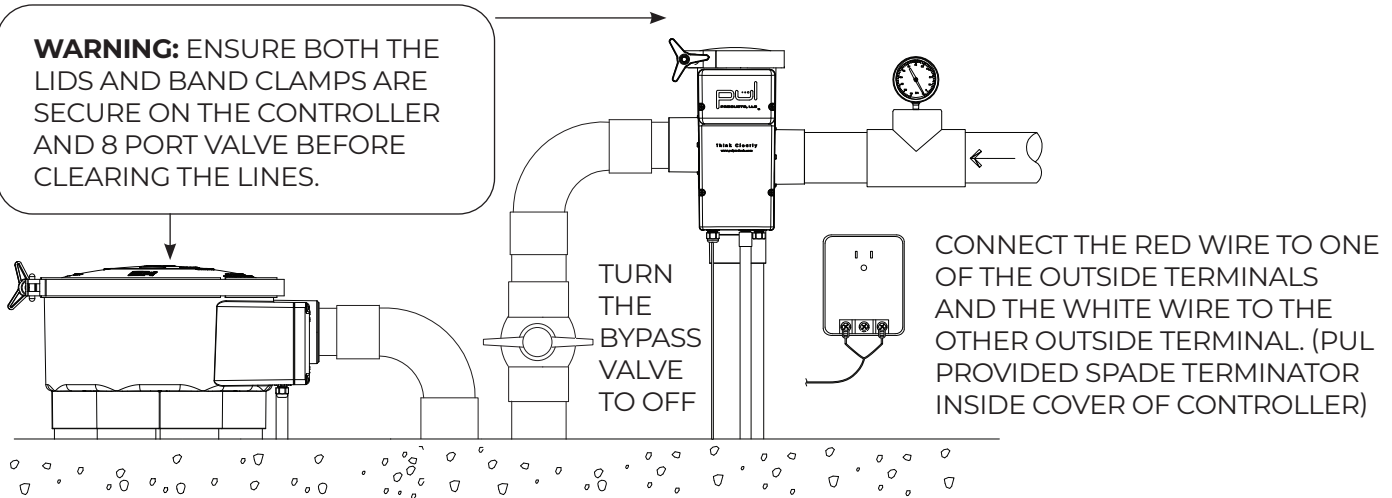
CLEARING THE LINES

It is important that all the lines for the in-floor system be cleared of dirt and debris in two separate stages during the installation process.

Connect the power wires to the transformer then plug into outlet. Before installing the Conekt Controller and 8 port valve cartridge(s), turn the bypass valve to off, startup the pump(s) and run for 3-5 minutes without the cartridges in place to clear any debris from the feed lines. Water should be flowing through the nozzle bodies in the pool. The water pressure should also pop the plaster caps out. If not use pliers to remove the caps.

NOTE: Failure to clear the lines will cause additional service trips. Construction dirt and other debris can plug the head orifices and restrict the flow of water through the cleaning head.

WARNING: ENSURE BOTH THE LIDS AND BAND CLAMPS ARE SECURE ON THE CONTROLLER AND 8 PORT VALVE BEFORE CLEARING THE LINES.

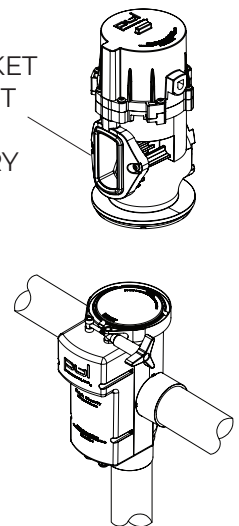
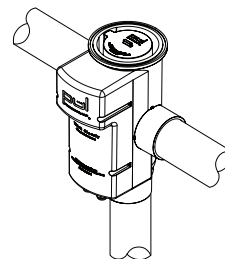
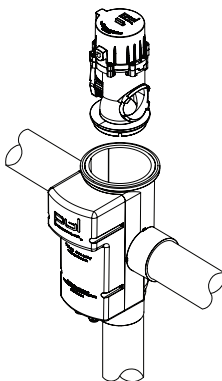
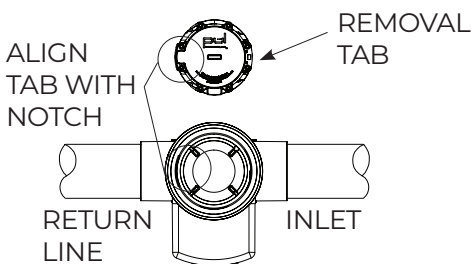


WARNING: IT IS IMPERATIVE THAT THE PUMP IS TURNED OFF AND THE SYSTEM HAS BEEN DEPRESSURIZED PRIOR TO REMOVAL OF BAND CLAMPS FROM THE CONEKT CONTROLLER AND CONEKT 8-PORT VALVE. DO NOT STAND OVER THE VALVE. FAILURE TO DO SO MAY CAUSE BODILY INJURY, DEATH, OR DAMAGE TO VALVE.

INSTALL CONEKT CONTROLLER CARTRIDGE

Unscrew the band clamp from top of controller and insert the cartridge into the controller body. The controller cartridge fits in only one way.

APPLY GASKET LUBRICANT HERE IF NECESSARY



THE TAB ON TOP OF THE CARTRIDGE LINES UP WITH THE NOTCH ON THE RETURN SIDE OF THE CONTROLLER BODY.

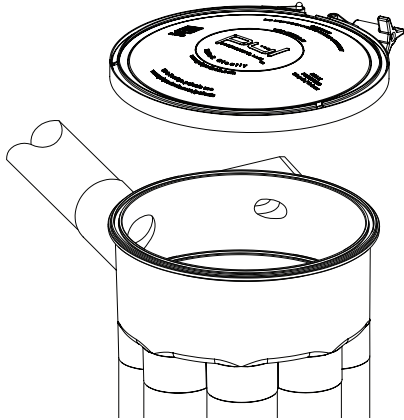
INSERT CARTRIDGE

PRESS FIRMLY IN PLACE UNTIL CARTRIDGE IS FLUSH WITH THE BODY

REPLACE LID AND TIGHTEN BAND CLAMP

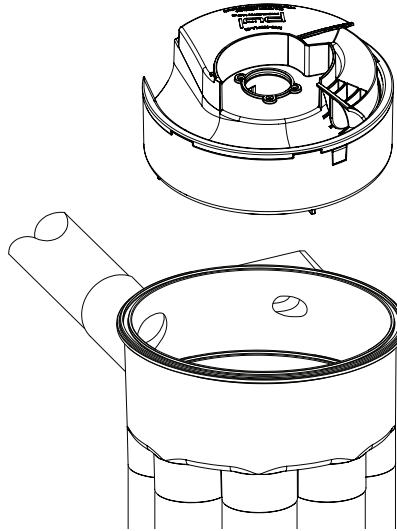
INSTALL CONEKT 8-PORT VALVE CARTRIDGE

WARNING: IT IS IMPERATIVE THAT THE PUMP IS TURNED OFF AND THE SYSTEM HAS BEEN DEPRESSURIZED PRIOR TO REMOVAL OF BAND CLAMPS FROM THE CONEKT CONTROLLER AND CONEKT 8-PORT VALVE. DO NOT STAND OVER THE VALVE. FAILURE TO DO SO MAY CAUSE BODILY INJURY, DEATH, OR DAMAGE TO VALVE.



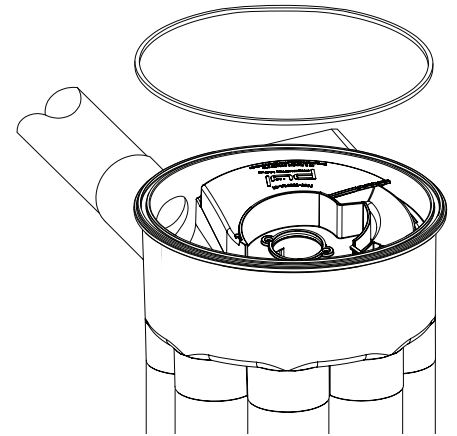
STEP 1: TURN OFF PUMP

Before unscrewing the band clamp from the valve turn off the pump and allow for the system to depressurize.



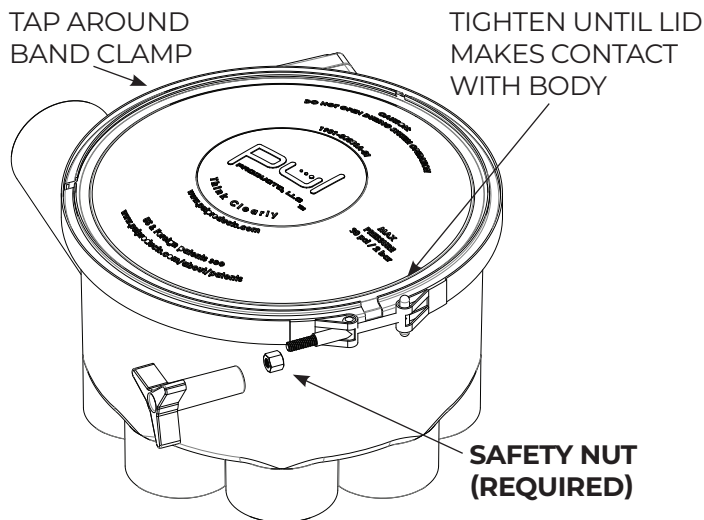
STEP 2: INSTALL CARTRIDGE

Check to be sure the pausing mechanism is not extended. Place valve cartridge into valve body and turn until it drops into place. It can only be installed in one position.



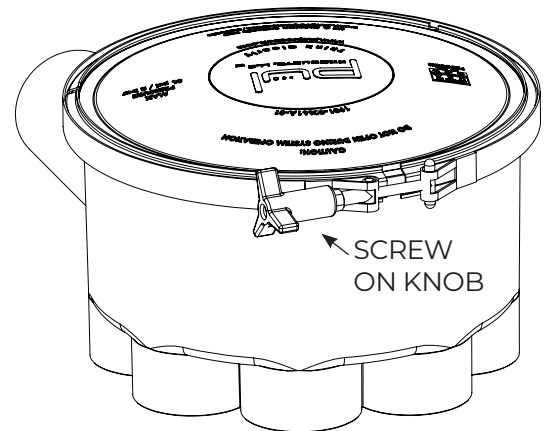
STEP 3: REPLACE O-RING

Clean debris from valve body and install the o-ring. Place the lid on the valve body. Secure the band clamp to the valve body and lid.



STEP 4: SECURE THE BAND CLAMP

Screw on the safety nut first. As you tighten the clamp the gap between the lid and the valve body should decrease. Tighten until the lid makes contact with the valve body. While tightening the band clamp, tap on the clamp with a screwdriver to properly secure the clamp.



STEP 5: FINAL INSPECTION

Screw on the knob and tighten.

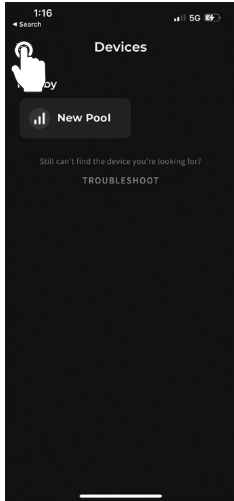
PUL CONNECT APP INSTALLATION AND PAIRING

DOWNLOAD PUL CONEKT APP AND LOAD CLEANING PROGRAM

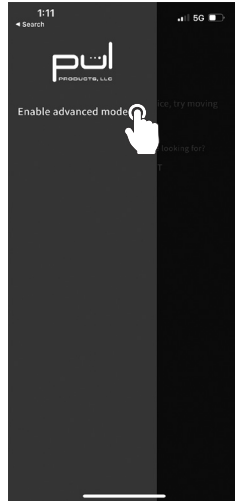
System start up must have Internet access through WiFi network or cellular data to download app and pool cleaning programs.



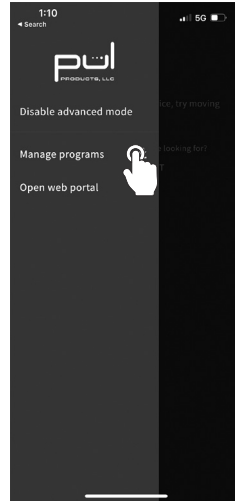
Scan QR code to install PUL Conekt App to your mobile device



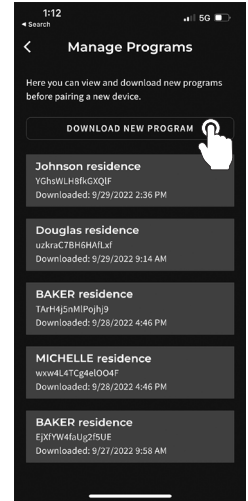
1. Tap menu in the upper left corner



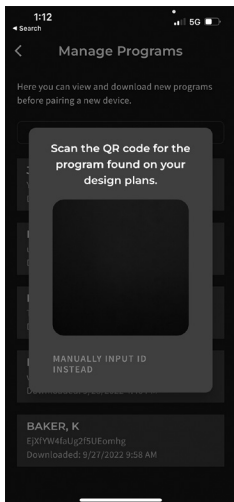
2. Tap on "Enable advance mode"



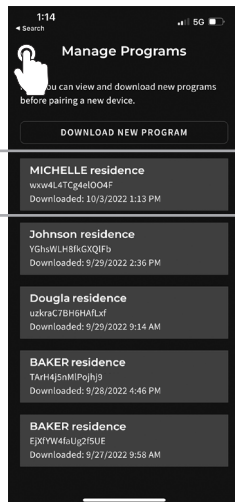
3. Tap on "Manage programs"



4. Tap "DOWNLOAD NEW PROGRAM"



5. Scan QR code from pool plan

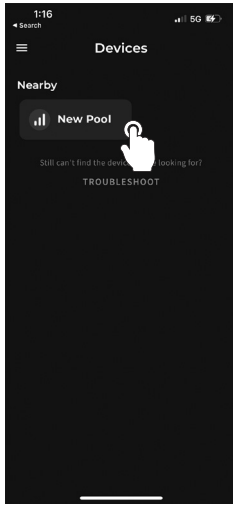


6. Tap back to home screen

New cleaning program will show on top

PAIRING APP WITH CONTROLLER AND UPLOADING CLEANING PROGRAM

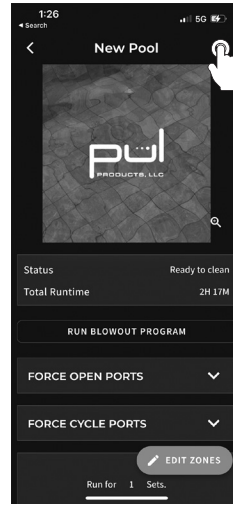
You must be in close proximity to the PUL Conekt Controller and it has power.



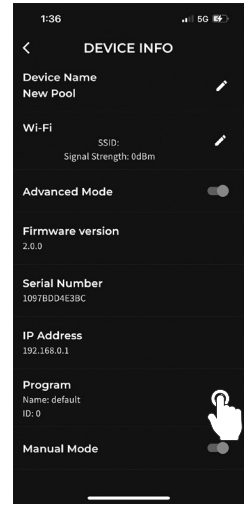
1. From the devices screen tap "New Pool"
NOTE: If the controller does not appear, tap "Troubleshoot" scroll down and tap "SEARCH FOR PUL DEVICES AGAIN"



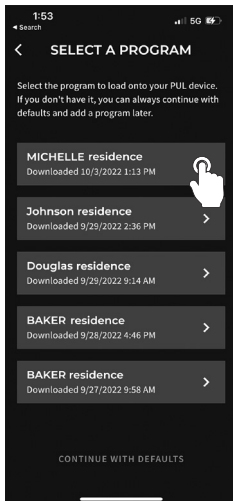
2. Connecting to PUL Conekt



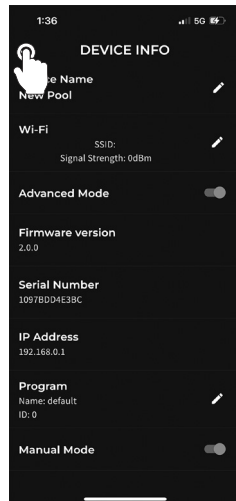
- 3 Tap the gear in the upper right corner



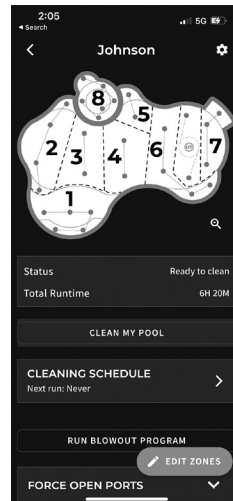
4. Tap on the pencil next to "Program"



5. Select the cleaning program by job name to upload to controller. Once uploaded, screen will automatically revert to "DEVICE INFO" screen

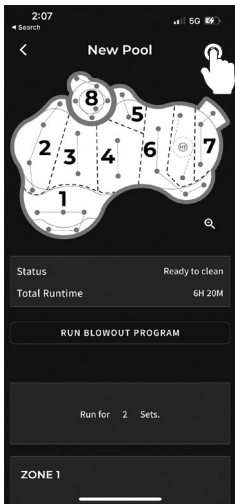


6. Tap the back button on the "DEVICE INFO" screen to go back to the pool screen

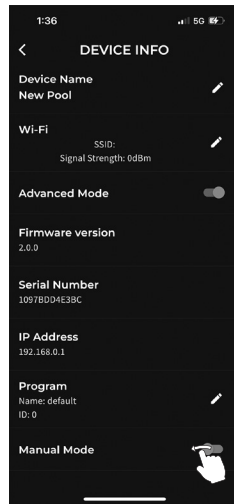


7. An image of the pool with the cleaning zones will appear. If not, check your Internet connection and repeat the process.

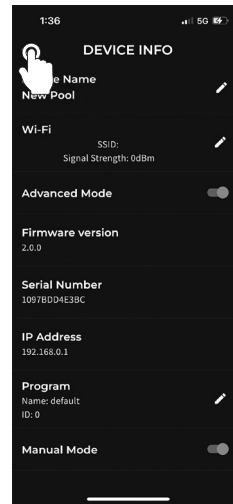
RUNNING THE BLOWOUT PROGRAM ON THE PUL CONEKT APP



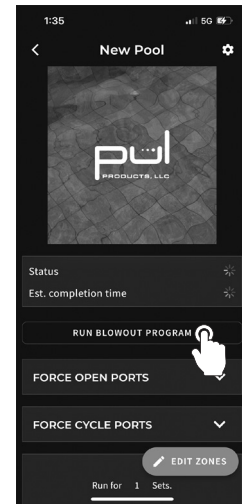
1. Open the app, tap on the gear on top right



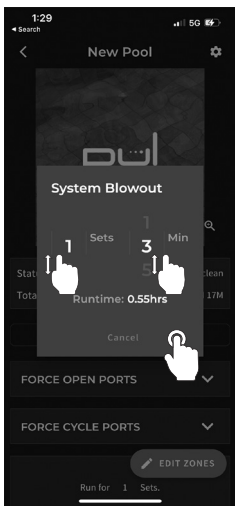
2. Toggle on "Manual Mode"



3. Tap the back arrow



4. Tap "RUN BLOWOUT PROGRAM"



5. Select the number of sets (1-12) for the number of times the entire pool is blown out. Select the duration (1 min. - 60 min.) for each port to run. **NOTE:** Some pools may be plumbed with multiple ports on one zone. The total runtime of the blowout will be displayed. Then tap "Run".

6. While the blowout program is running turn on the pump and allow the pump to prime.

7. Once primed slowly turn the bypass valve to the open position.

NOTE: At start up, flow might not be going to the zone 1, the 8-port valve will automatically cycle until it reaches zone 1. Then the status of the blowout program will display zone 1 cleaning.

8. After the first zone is blown out and moves to the next zone, install the correct nozzles according to the pool plan (refer to the Installing Nozzles section for instructions). If there is debris or low flow in a particular nozzle body, leave that nozzle body open and install the other nozzles. Once the blowout program returns to that zone, check the open nozzle body to determine if it is clear of debris and there is a stronger flow. Once all nozzles are installed you can choose to stop the blowout program or you can let it run its entirety.

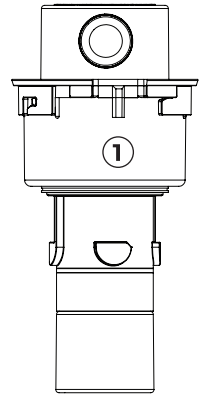
INSTALLING NOZZLES

You will receive the PUL Jet nozzles with the custom pool plan in a mailer style box. Refer to the pool plan for specific placement of each nozzle. The nozzles are individually numbered and correspond directly with the pool plan. Install using the pole mounted installation tools, to the exact location as shown on the pool plan.

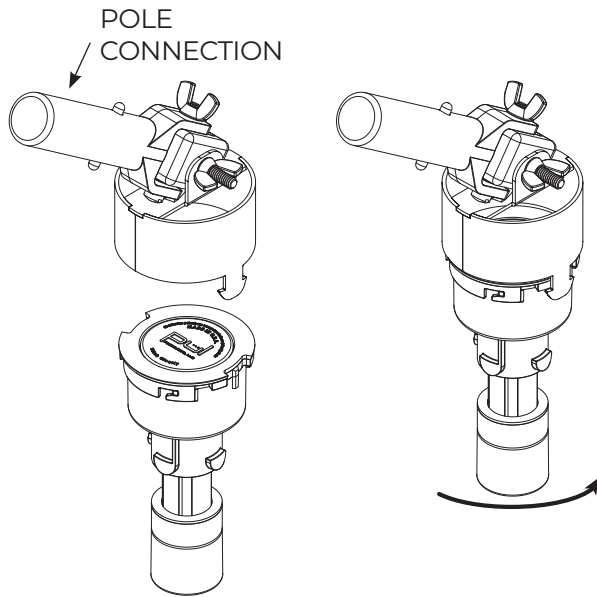
NOZZLE IDENTIFIERS.

Please refer to the label on the nozzle for unique Identifier [Image]

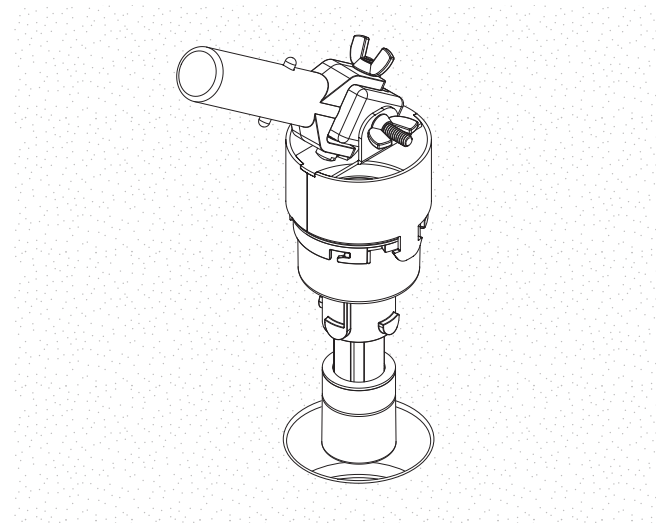
NOTE: DO NOT REMOVE THE IDENTIFIER – THIS IS USED FOR FUTURE SERVICE AND WARRANTY INFORMATION.



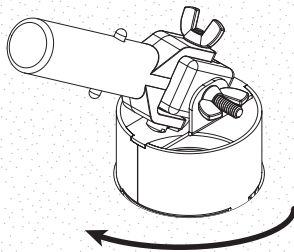
INSTALLING 360° ROTATING NOZZLES



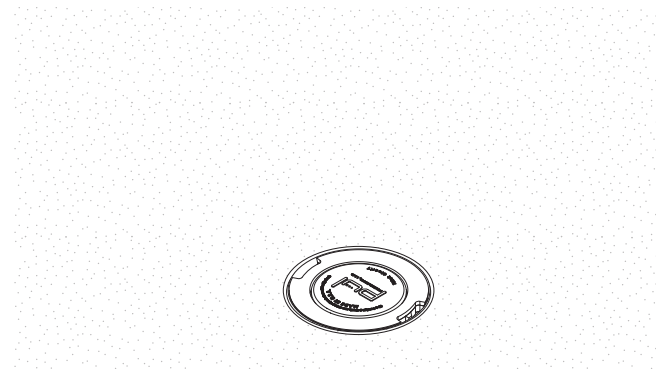
1. Attach the nozzle to the tool by aligning the tabs on the tool with the notches on the nozzle. Insert nozzle into tool and turn the nozzle counterclockwise to lock it into place.



2. Insert corresponding nozzle into the corresponding body indicated in the pool plan.



3. Turn nozzle tool clockwise until the nozzle is locked into place.

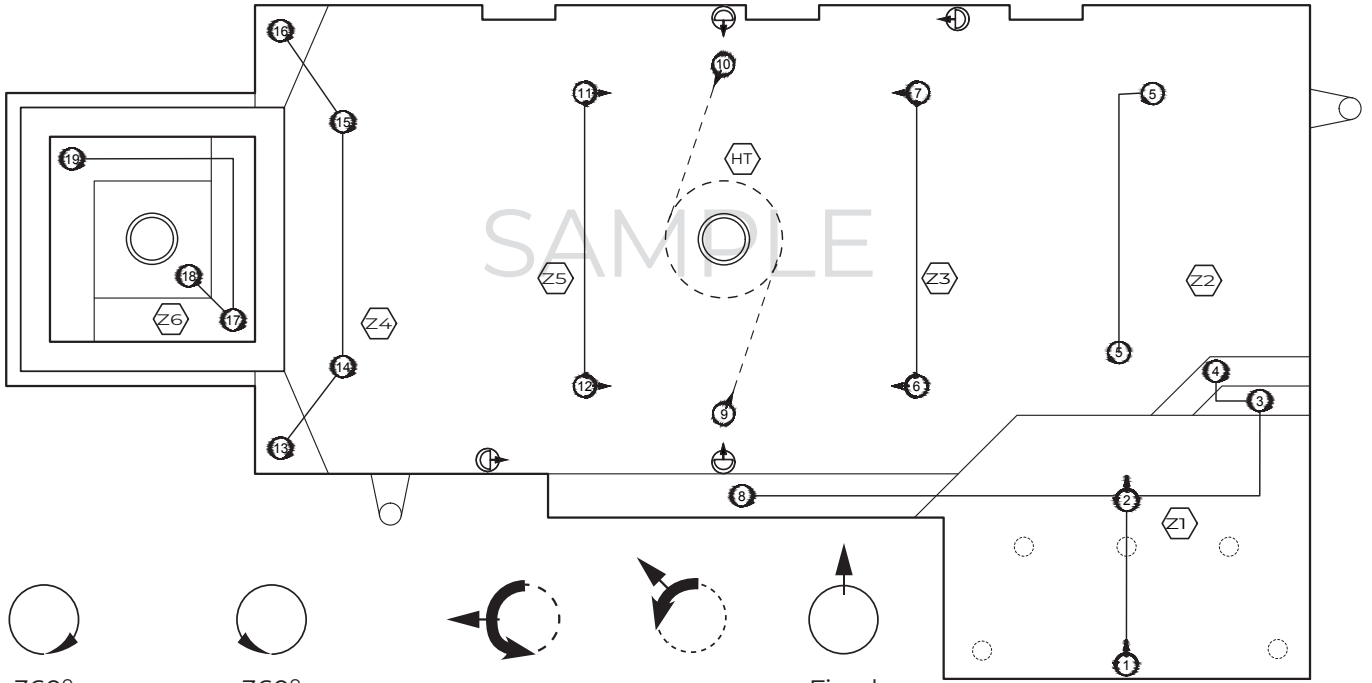


4. Nozzle is secure in body.

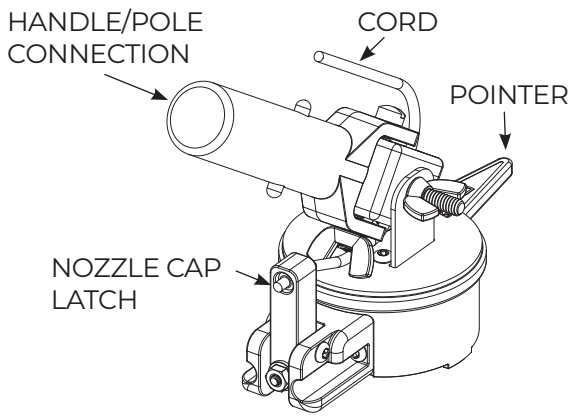
AIMING PARTIAL ROTATE & FIXED NOZZLES

Refer to the pool plan to determine which nozzles are partial rotate and the cleaning angle of the nozzle.

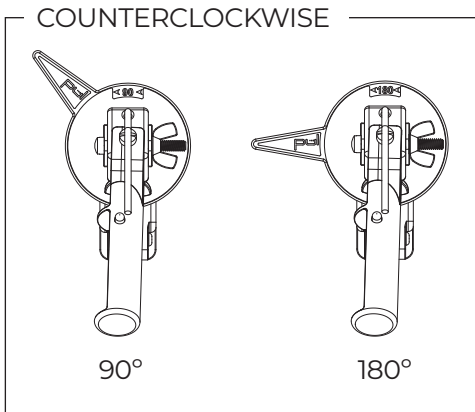
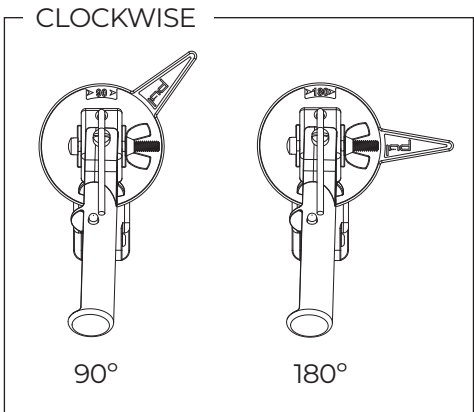
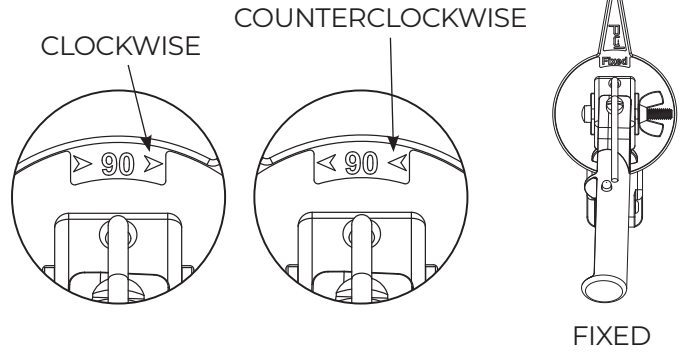
RETURN TO HYDRO TROUGH FROM CLEANING SYSTEM



360° Clockwise 360° Counterclockwise 180° Partial Rotate 90° Partial Rotate Fixed

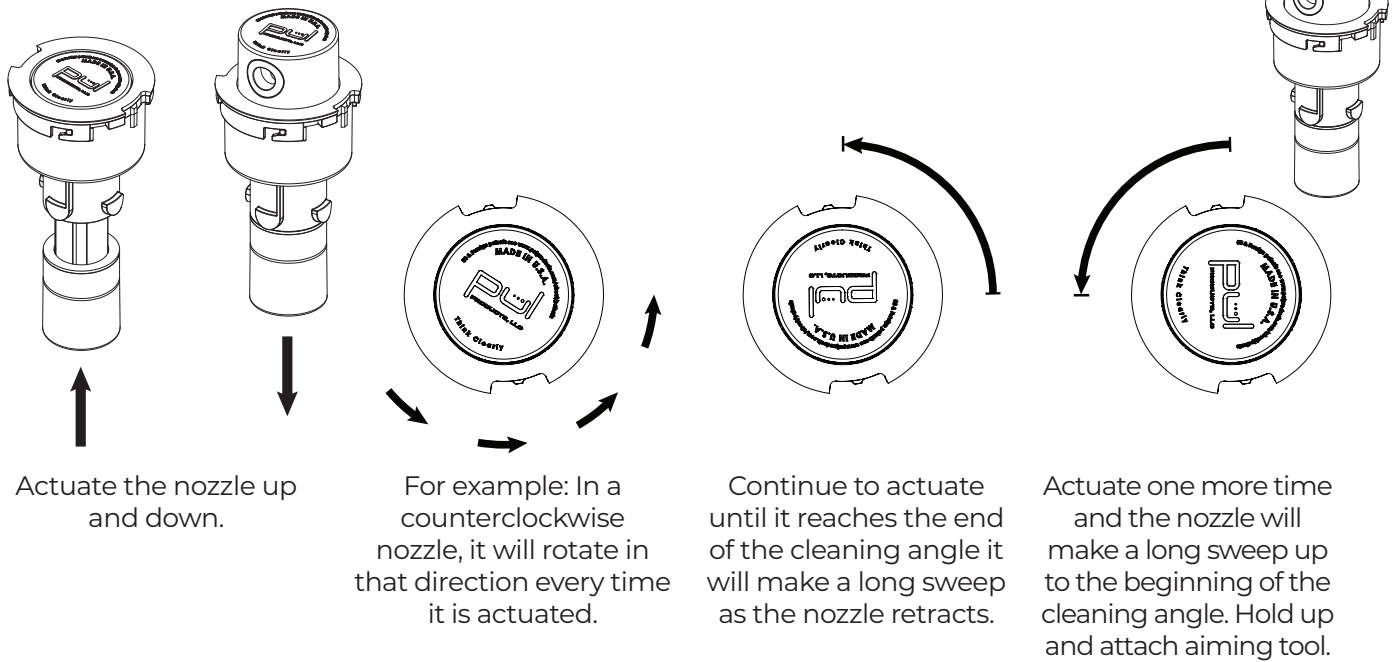


NOZZLE AIMING TOOL

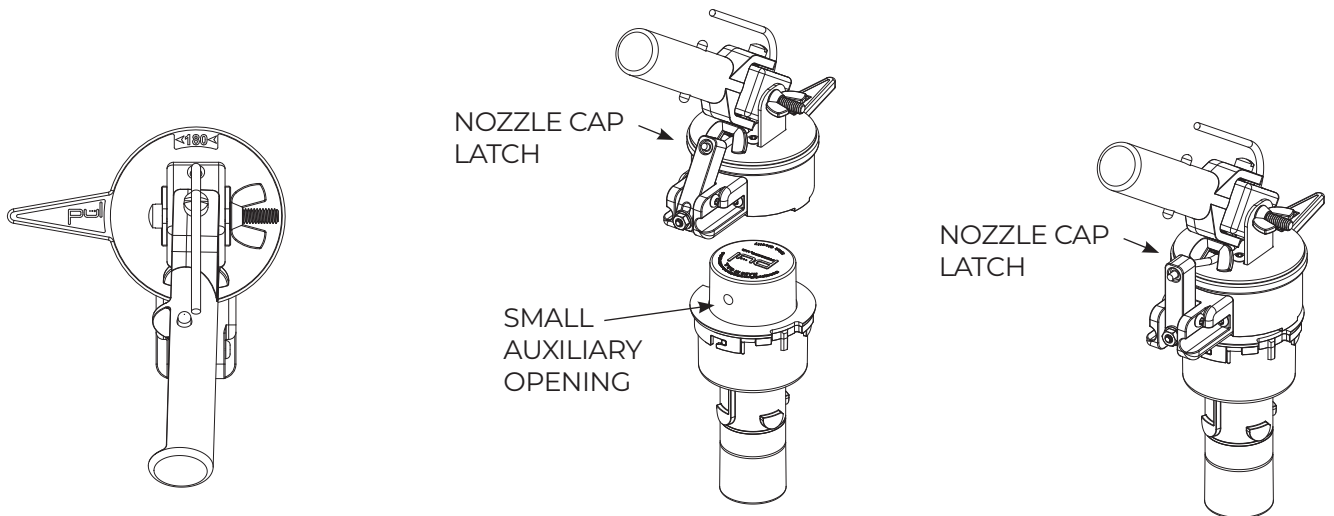


STEP 1: SETTING UP PARTIAL ROTATE NOZZLES FOR INSTALLATION

Positioning the nozzles to be aimed.



STEP 2: ATTACH NOZZLE TO AIMING TOOL

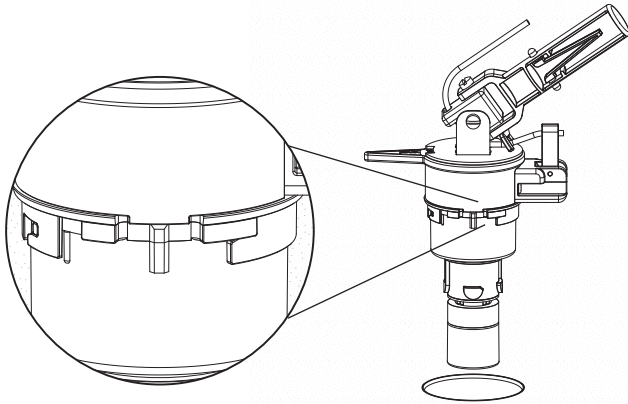


Select the cleaning angle on the aiming tool to correspond with the rotation and cleaning angle of the nozzle specified in the pool plan.

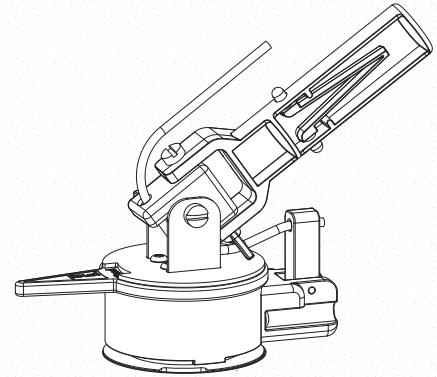
With the nozzle in the up position attach the aiming tool to the nozzle. Hold the nozzle cap latch down and aligned with the auxiliary opening on the rear of the nozzle. Release the latch and ensure it snaps and locks in place.

STEP 3: SET AND AIM NOZZLE IN POOL

It is important to aim all fixed and partial rotate nozzles as shown on the pool plan



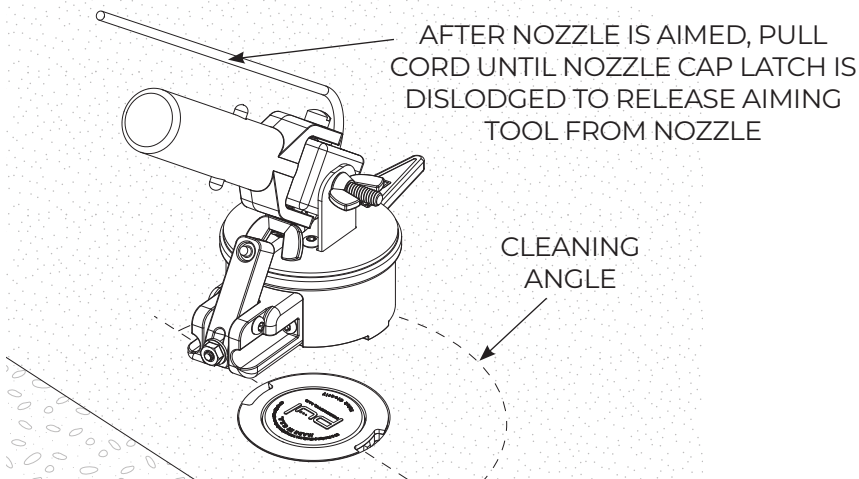
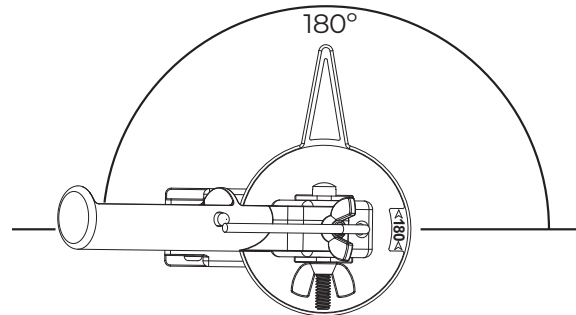
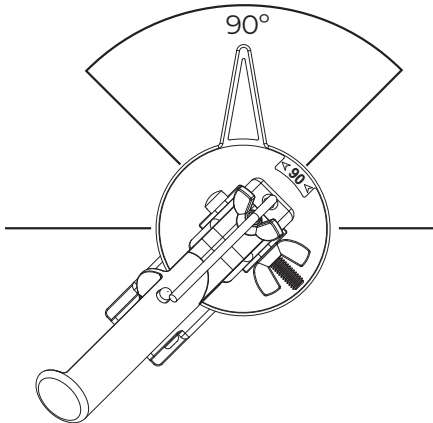
Ratchet aiming tool clockwise until the tabs align with the slot in the nozzle. Insert nozzle into the designated nozzle body, lock in place by turning tool clockwise.



Once nozzle is locked into place, lift aiming tool up until the tab is out of the slot in the nozzle. Continue turning in a clockwise direction until the aiming tool pointer is in the specified direction.

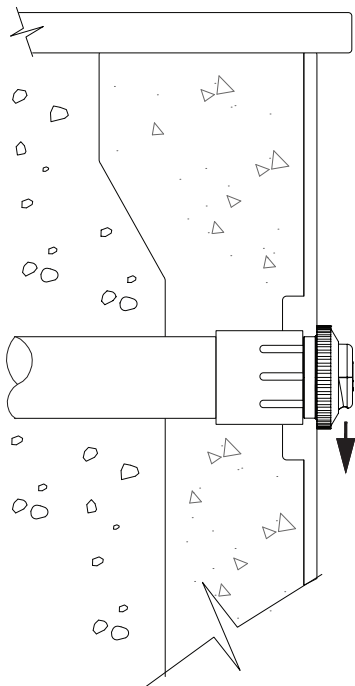
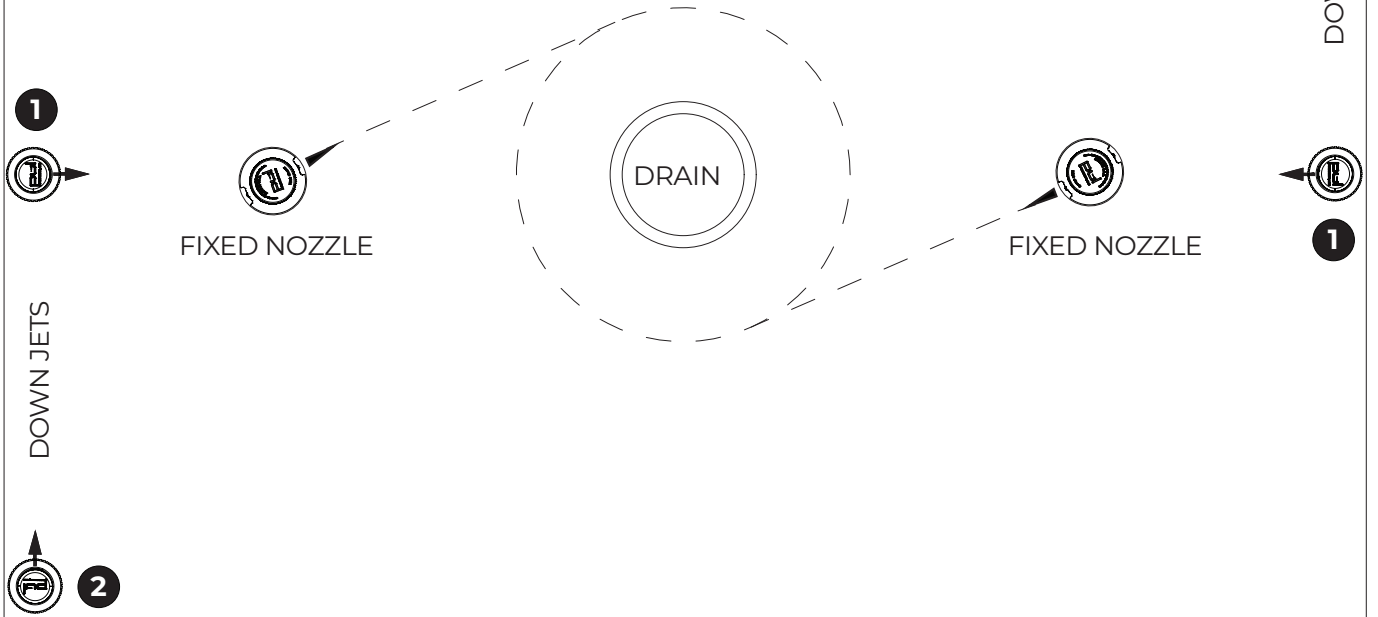
NOTE: THE NOZZLE WILL ONLY ROTATE CLOCKWISE AND WILL CLICK WHEN TURNED.

SETTING UP THE CORRECT AIMING ANGLE



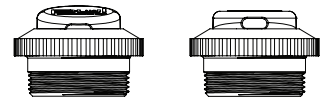
AIMING FIXED NOZZLES AND DOWN JETS FOR HYDRO-TROUGH

Complete Step 2 in the previous section, (Aiming Partial Rotate & Fixed Nozzle) and set Aiming Tool to FIXED. Aim one of the fixed nozzle slightly off centered of the debris removing drain. Aim the opposite fixed nozzle slightly off centered and opposite of the other fixed nozzle according to the pool plan.

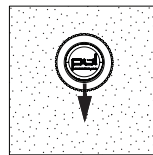


Down jets require 1½" threaded fittings.

The water flow can easily be adjusted to balance the flow.



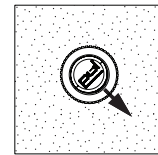
1



AIMING DOWN JETS (#1) POSITIONED ABOVE FIXED NOZZLES

Aim the down jets vertically and position the down jet eyeball down towards the pool wall.

2



AIMING ADDITIONAL DOWN JETS (#2)

Aim the down jets at a 45° angle towards the Hydro-Trough collection zone and position the down jet eyeball down towards the pool wall.

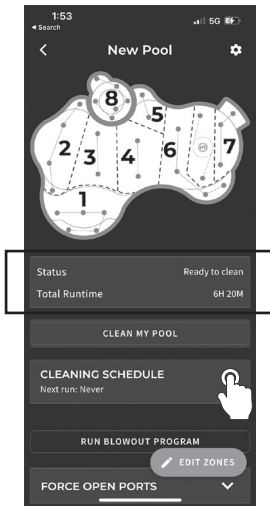
SETTING CLEANING PROGRAM SCHEDULE

IMPORTANT: SET PUMP SPEED BY CHECKING PUL PRESSURE GAUGE AND ADJUSTING PUMP RPM UNTIL NEEDLE IS IN THE GREEN RANGE (18-24 PSI).

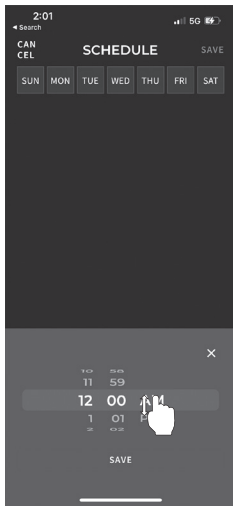
USING A POOL CONTROL SYSTEM

SET THE DAY(S) AND TIME(S) ON THE POOL CONTROL SYSTEM TO MATCH THE CLEANING PROGRAM.

SET THE DURATION FOR THE PUMP TO THE TOTAL RUNTIME PLUS A 15 MIN. BUFFER.



1. Tap on "CLEANING SCHEDULE"



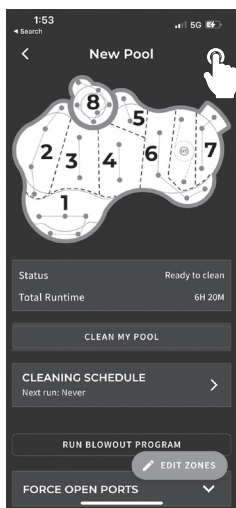
2. Tap "ADD TIME". Scroll to set time for cleaning program to start, then tap "SAVE"



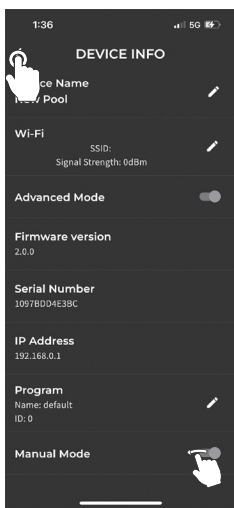
3. Select days for the cleaning system to run, then tap "SAVE"

PUMP ONLY

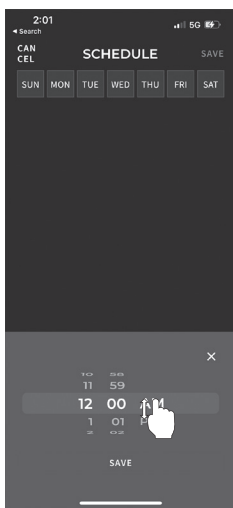
SCHEDULE THE PUMP TO TURN ON AND OFF ON THE DAY(S) AND TIME(S) DETERMINED ON THE CLEANING PROGRAM, ADD A 15 MIN BUFFER.



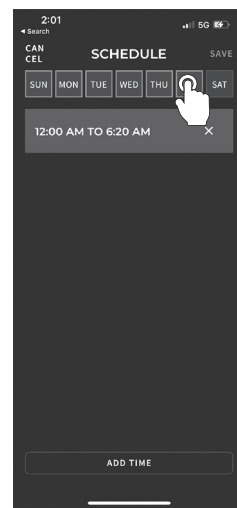
1. Tap on gear in the upper right corner



2. Toggle on "Manual Mode" then, tap the back arrow



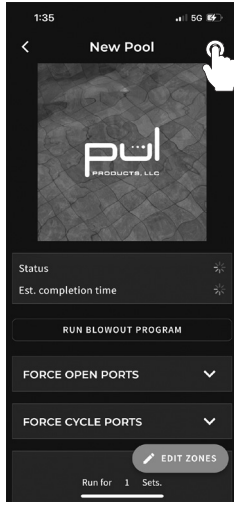
3. Tap "ADD TIME". Scroll to set time for cleaning program to start, then tap "SAVE"



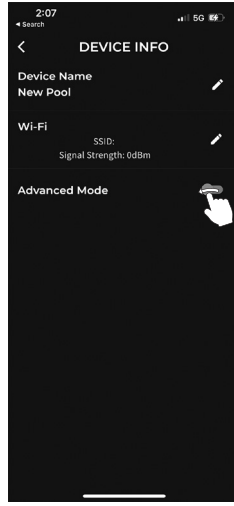
4. Select days for the cleaning system to run, then tap "SAVE"

ADVANCED MODE FUNCTIONS

Functions available with Advanced Mode enabled

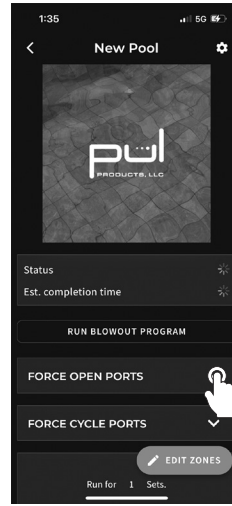


1. Tap on the gear in the upper right corner

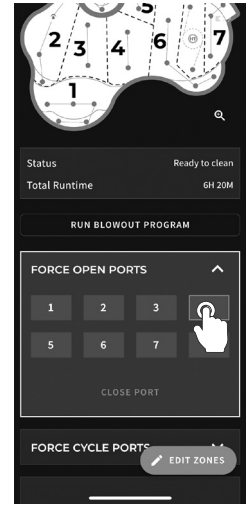


2. Toggle on "Advanced Mode"

FORCE OPEN PORTS



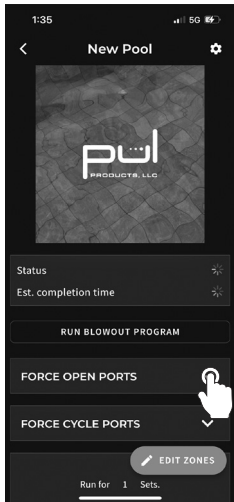
1. Force open ports is used for troubleshooting zones



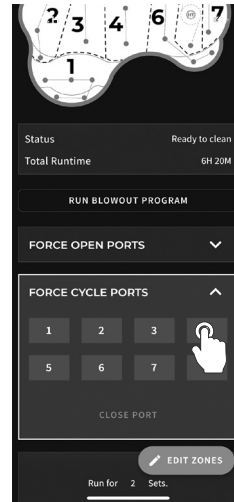
2. Select the port you want to open.

The nozzles in the zone selected will stay up until the "CLOSE PORT" is tapped

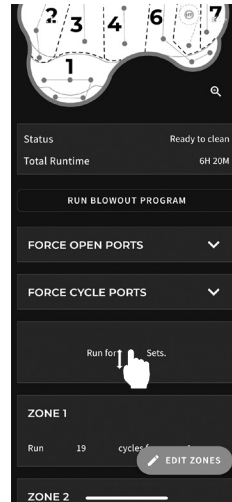
FORCE CYCLE PORTS



1. Force cycle ports is used for troubleshooting zones



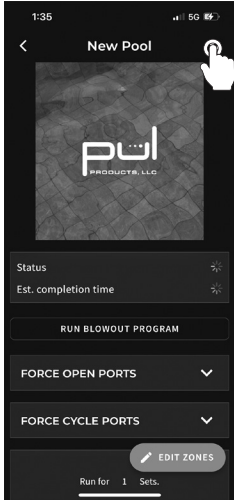
2. Select the port you want to open.



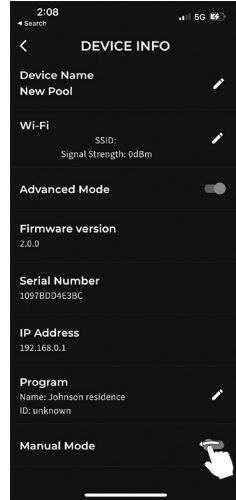
3. Scroll to select the number of sets (up to 50) the nozzle will pop up. The nozzles will pop up for 10 sec. and retract for the number of sets selected. It can be canceled any time by closing the port.

ENABLING MANUAL MODE

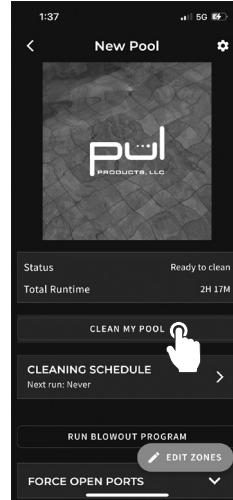
Manual mode allows you to start a cleaning program manually



1. Tap on the gear in the upper right corner



2. Toggle on "Manual Mode"



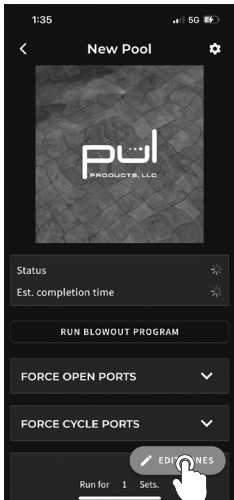
3. Tap on "CLEAN MY POOL"

NOTE: THE PUL CONEKT APP WILL NOT TURN ON PUMP.

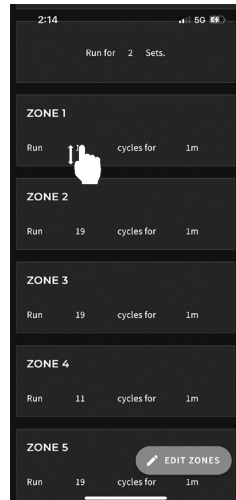
TURN PUMP ON MANUALLY OR FROM THE POOL CONTROL SYSTEM PRIOR TO CLICKING ON CLEAN MY POOL.

EDITING CLEANING PROGRAM

Must be in Advanced Mode to make changes



1. Tap on "EDIT ZONES"

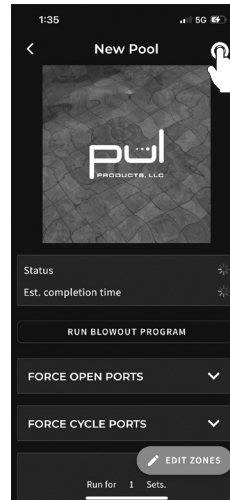


2. Scroll to the zone to edit the number of cycles and duration times. When finished, tap "SAVE"

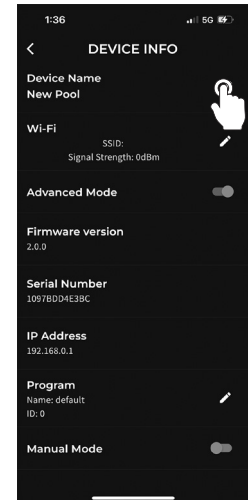
NOTE: If the total run has changed. Adjust the pool control system or pump time to match new time plus a 15 min buffer

RENAMING THE CONTROLLER

If you need to change the device name



1. Tap on the gear in the upper right corner



2. Tap on pencil next to "Device Name" Type in new name then tap done