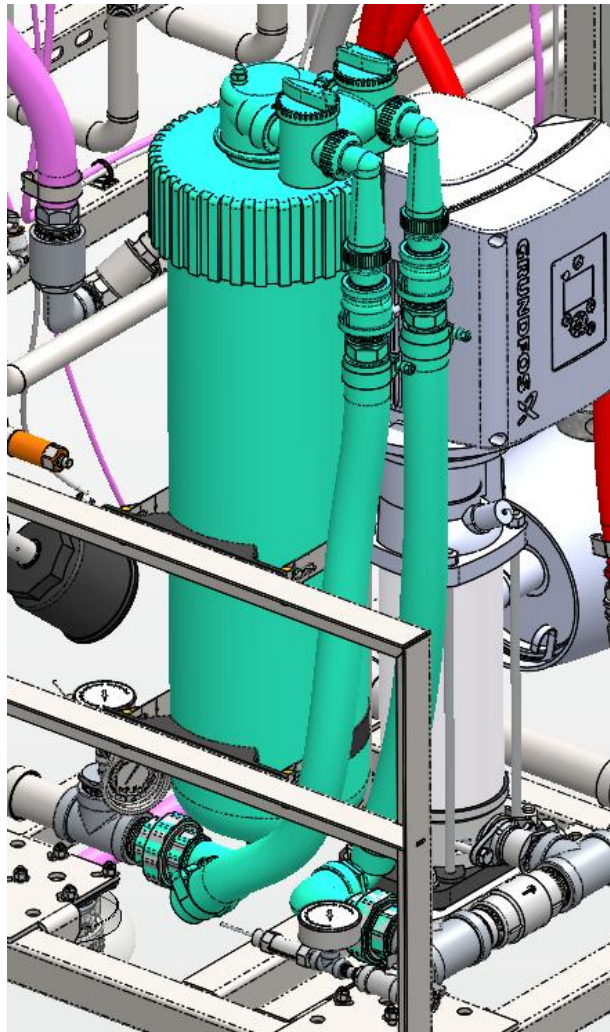


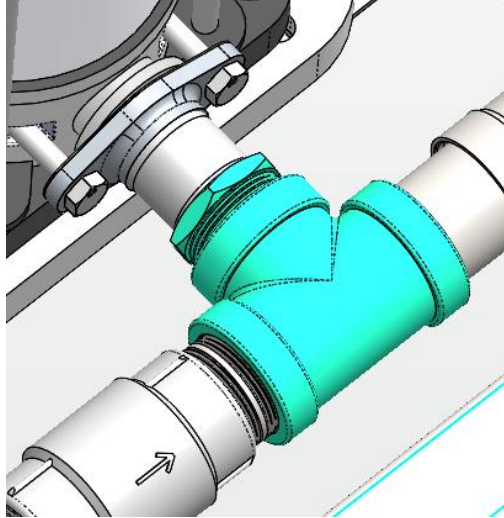


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40006 Clack Filter Retro Fit Installation



Step 1: Verify that the Water Treatment Center (WTC) has the same plumbing size at the current filter as the retrofit kit: 1-1/2" for P-WAT-3702-K or 1-1/4" for P-WAT-3705-K. The easiest way to tell the difference on the WTC is to look at the RO pump inlet for this threaded tee+reducer bushing that is present on the 1-1/2" plumbing version (1-1/4" version has a megapress tee and no reducer):



Step 2: Refer to the figure below for the assembly of the new retro fit tank, assembling items 1-5, 7 and 11. Note that item 7 on our tanks is actually V-3007 (elbow with a 1" MNPT end). Leave items 8-10 loose. Do **NOT** install the tank base (#6).

PARTS

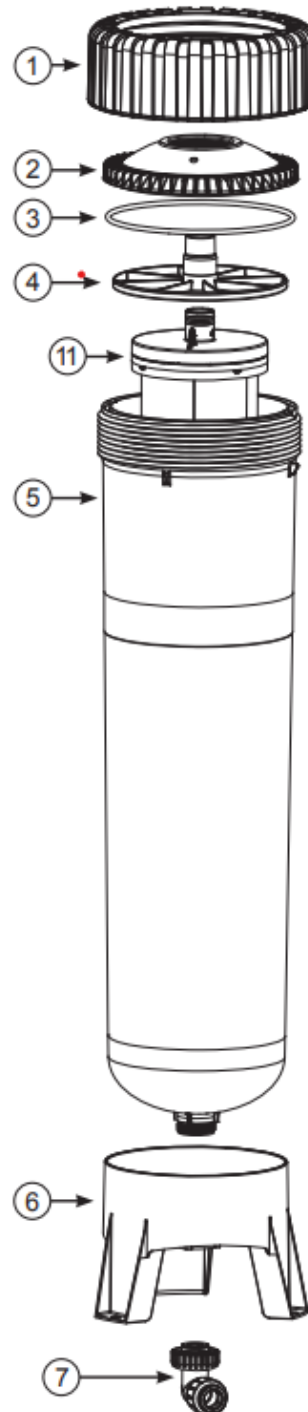
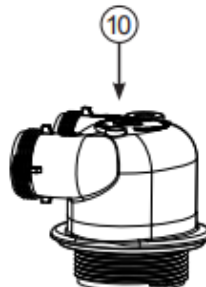
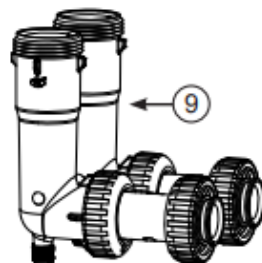
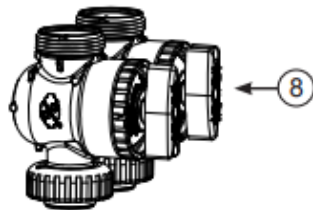
Cartridge Tank Parts

Drawing Number	Order Number	Description	Qty.
1	C3001	CT Nut	1
2	C3002	CT Cap 2.5 NPSM	1
3	C3022	O-Ring 370	1
4	C3004	CT 1.320 Center Adapter	1
5	C3000	CT Housing Body Black	1
	C3000-H	CT Housing Body CWS Dark Gray	
6	C3003	CT Tank Base	1
7	V3007-15*	WS1 Fitting JG QC Elbow Assembly	1

*includes two fittings

Optional Parts - Sold Separately

Drawing Number	Order Number	Description	Qty.
8	V3006	WS1 Bypass Assembly	1
9	V3007-21	Vertical Elbow Union Adapter Assembly	1
10	D1400-04	1191 1.320	1
11	See back page for Filters		1

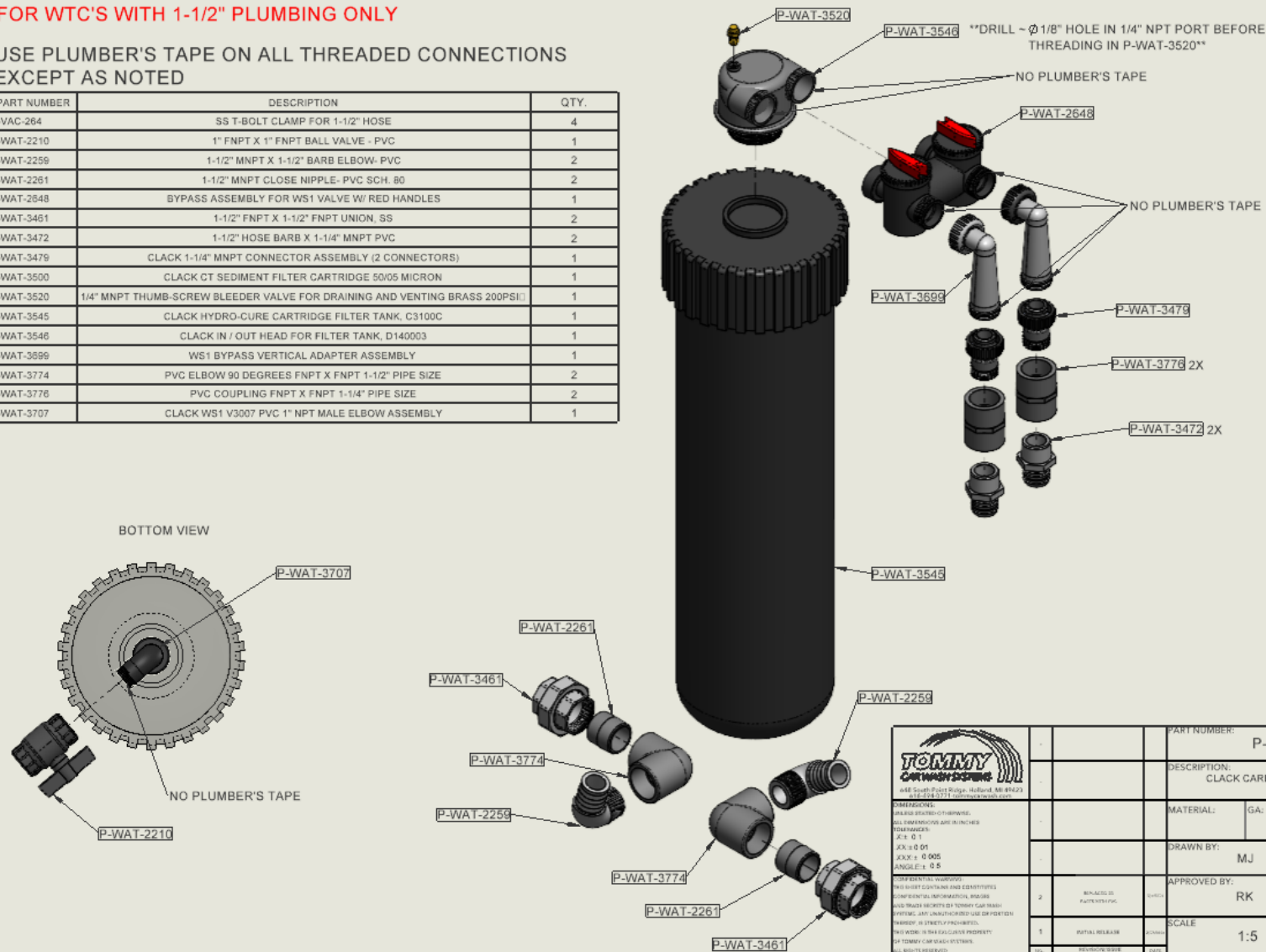


Step 3: Preassemble the fittings as shown on one of the next 2 pages. Do not forget to drill the hole in the top of the filter head (P-WAT-3545, Clack item #10 from previous page). For the **1-1/2"** plumbing kit **P-WAT-3702-K**:

FOR WTC'S WITH 1-1/2" PLUMBING ONLY

USE PLUMBER'S TAPE ON ALL THREADED CONNECTIONS
EXCEPT AS NOTED

PART NUMBER	DESCRIPTION	QTY.
P-VAC-264	SS T-BOLT CLAMP FOR 1-1/2" HOSE	4
P-WAT-2210	1" FNPT X 1" FNPT BALL VALVE - PVC	1
P-WAT-2259	1-1/2" MNPT X 1-1/2" BARB ELBOW- PVC	2
P-WAT-2261	1-1/2" MNPT CLOSE NIPPLE- PVC SCH. 80	2
P-WAT-2648	BYPASS ASSEMBLY FOR WS1 VALVE W/ RED HANDLES	1
P-WAT-3461	1-1/2" FNPT X 1-1/2" FNPT UNION, SS	2
P-WAT-3472	1-1/2" HOSE BARB X 1-1/4" MNPT PVC	2
P-WAT-3479	CLACK 1-1/4" MNPT CONNECTOR ASSEMBLY (2 CONNECTORS)	1
P-WAT-3500	CLACK CT SEDIMENT FILTER CARTRIDGE 50/05 MICRON	1
P-WAT-3520	1/4" MNPT THUMB-SCREW BLEEDER VALVE FOR DRAINING AND VENTING BRASS 200PSI	1
P-WAT-3545	CLACK HYDRO-CURE CARTRIDGE FILTER TANK, C3100C	1
P-WAT-3546	CLACK IN / OUT HEAD FOR FILTER TANK, D140003	1
P-WAT-3699	WS1 BYPASS VERTICAL ADAPTER ASSEMBLY	1
P-WAT-3774	PVC ELBOW 90 DEGREES FNPT X FNPT 1-1/2" PIPE SIZE	2
P-WAT-3776	PVC COUPLING FNPT X FNPT 1-1/4" PIPE SIZE	2
P-WAT-3707	CLACK WS1 V3007 PVC 1" NPT MALE ELBOW ASSEMBLY	1



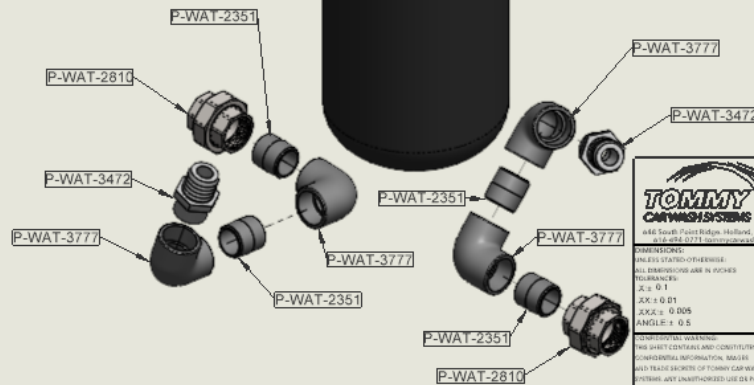
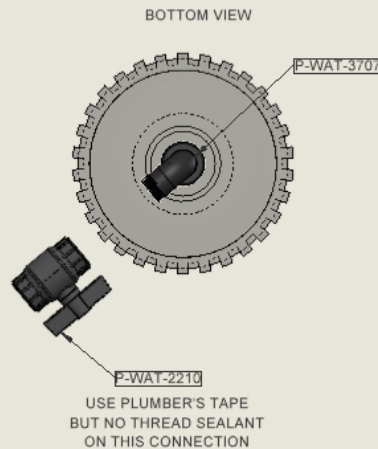
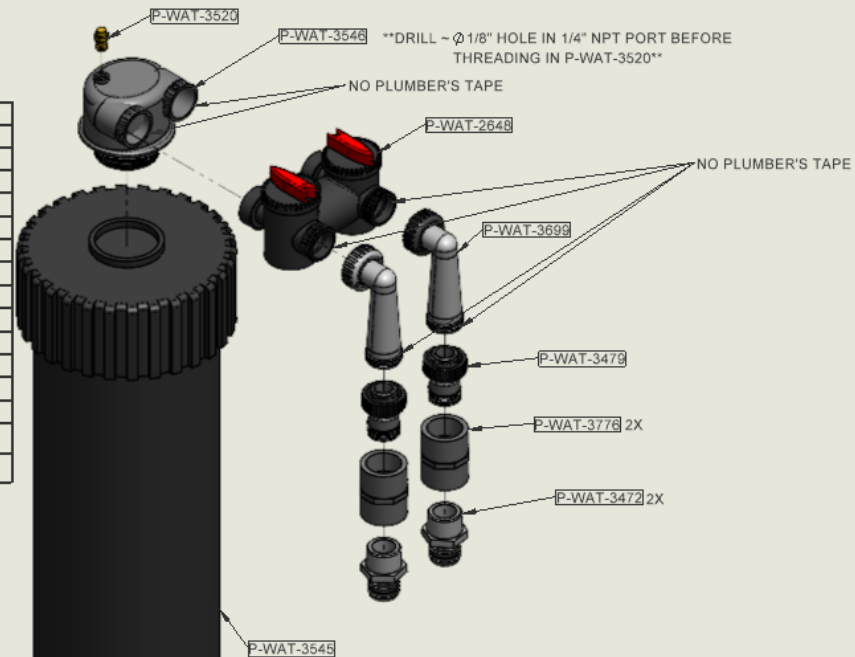
PART NUMBER: P-WAT-3702-K		REV. 2
DESCRIPTION: CLACK CARBON FILTER RETROFIT KIT FOR WTC WITH 1-1/2" PLUMBING		
MATERIAL: GAL.	FINISH:	
DRAWN BY: MJ	DATE: 2/23/2026	
APPROVED BY: RK	DATE: 8/4/2026	
SCALE: 1:5	SHEET: 1 OF 1	

For the 1-1/4" plumbing kit **P-WAT-3705-K**:

FOR WTC'S WITH 1-1/4" PLUMBING ONLY

USE PLUMBER'S TAPE ON ALL THREADED CONNECTIONS
EXCEPT AS NOTED

PART NUMBER	DESCRIPTION	QTY.
P-VAC-264	SS T-BOLT CLAMP FOR 1-1/2" HOSE	4
P-WAT-2210	1" FNPT X 1" FNPT BALL VALVE - PVC	1
P-WAT-2351	1-1/4" CLOSE NIPPLE- PVC SCH. 80	4
P-WAT-2648	BYPASS ASSEMBLY FOR WS1 VALVE W/ RED HANDLES	1
P-WAT-2810	THREADED PIPE FITTING, LOW-PRESSURE, UNION CONNECTOR, 1-1/4 NPT FEMALE, SS	2
P-WAT-3472	1-1/2" HOSE BARB X 1-1/4" MNPT PVC	4
P-WAT-3479	CLACK 1-1/4" MNPT CONNECTOR ASSEMBLY (2 CONNECTORS)	1
P-WAT-3500	CLACK CT SEDIMENT FILTER CARTRIDGE 50/05 MICRON	1
P-WAT-3520	1/4" MNPT THUMB-SCREW BLEEDER VALVE FOR DRAINING AND VENTING BRASS 200PSI	1
P-WAT-3545	CLACK HYDRO-CURE CARTRIDGE FILTER TANK, C3100C	1
P-WAT-3546	CLACK IN / OUT HEAD FOR FILTER TANK, D140003	1
P-WAT-3699	WS1 BYPASS VERTICAL ADAPTER ASSEMBLY	1
P-WAT-3775	PVC COUPLING FNPT X FNPT 1-1/4" PIPE SIZE	2
P-WAT-3777	THICK-WALL PLASTIC PIPE FITTING FOR WATER SHORT 90 DEGREE ELBOW CONNECTOR, 1-1/4 NPT FEMALE	4
P-WAT-3707	CLACK WS1 V3007 PVC 1" NPT MALE ELBOW ASSEMBLY	1

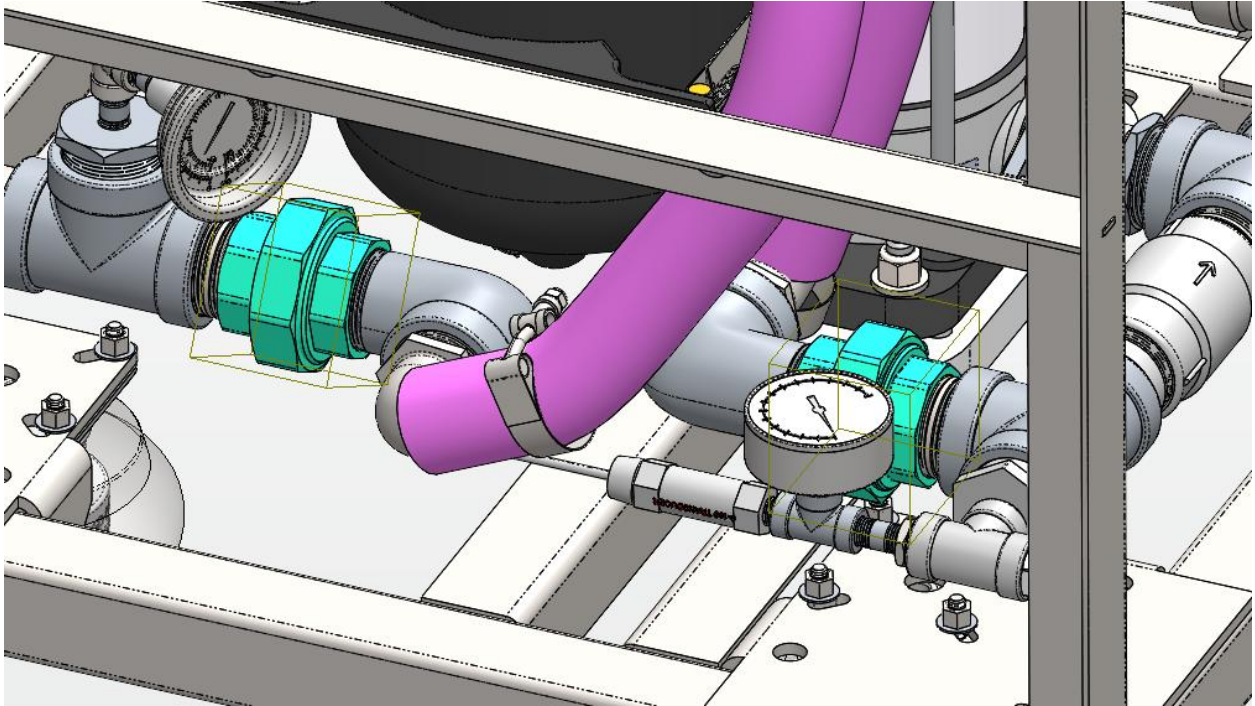


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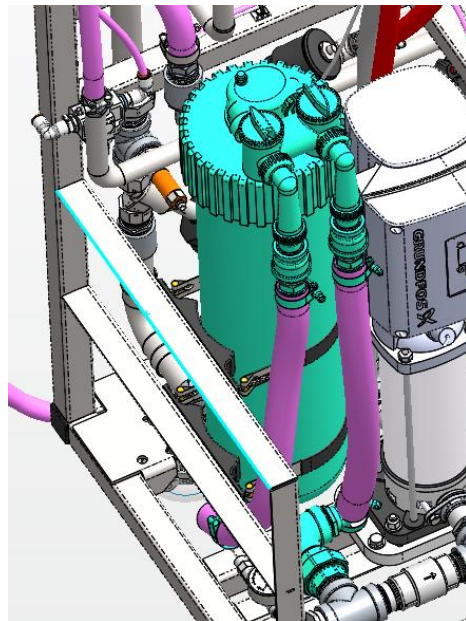
PART NUMBER:		P-WAT-3705-K	REV.	2
DESCRIPTION:		CLACK CARBON FILTER RETROFIT KIT FOR WTC WITH 1-1/4" PLUMBING		
MATERIAL:	GA:	FINISH:		
DRAWN BY:	MJ	DATE:	2/23/2026	
APPROVED BY:	RK	DATE:	8/4/2026	
SCALE:	1:5	SHEET:	1 OF 1	

Step 4: Power off the WTC and loosen the unions on the existing filter inlet/outlet:

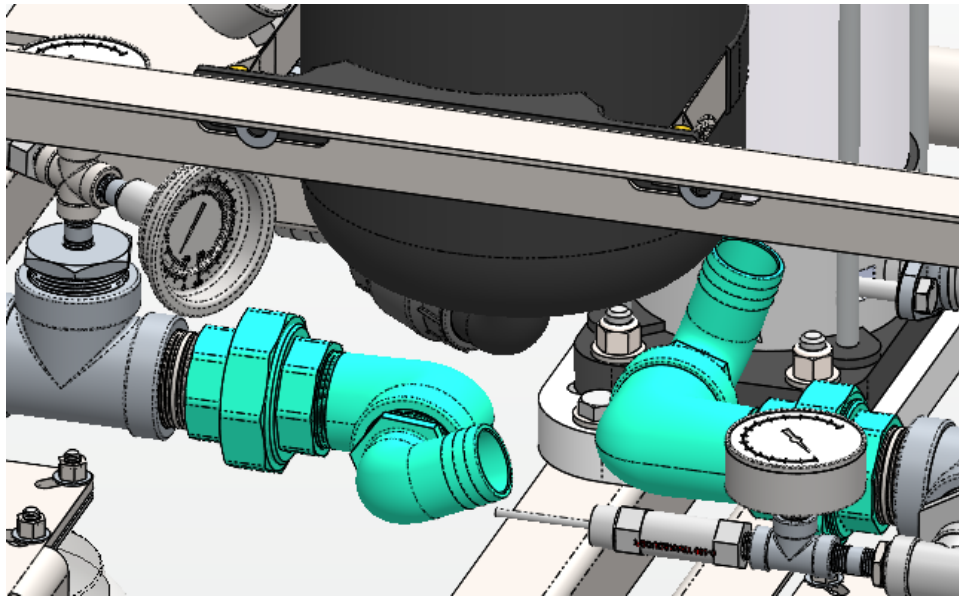


Step 5: Remove the existing filter (water will drain out of lines) by loosening the black straps holding the filter in place.

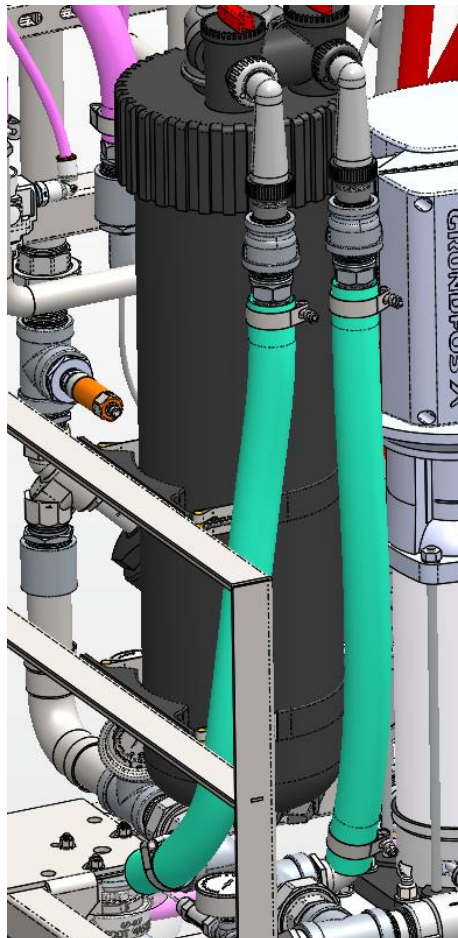
Step 6: Install the new filter housing in the same black straps. Ensure the filter head is pointing toward the front of the WTC:



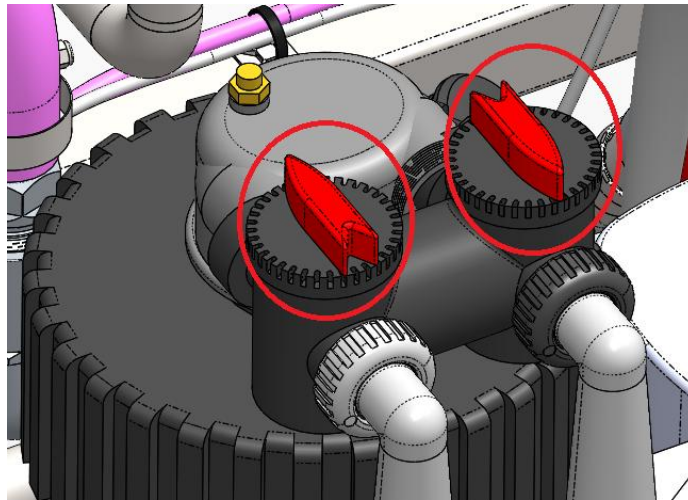
Step 7: Install the barbed elbow fittings with unions attached to the half unions left when the old filter was removed:



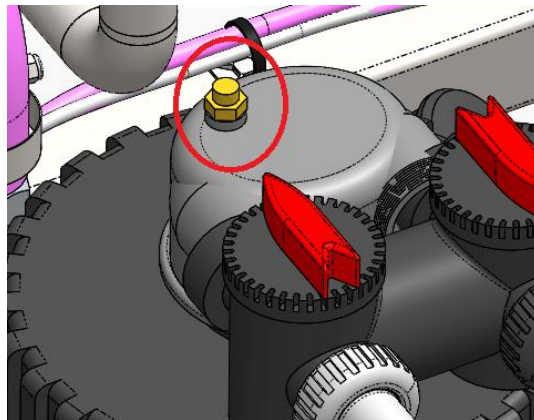
Step 8: Connect inlet/outlet barbs with 1-1/2" hose as shown below:



Step 9: ensure filter bypass valve arrows are oriented as shown:



Step 10: Loosen the brass thumb screw on top of the filter:



Step 11: Turn on WTC power and set RO to Purge mode.

Step 12: Tighten the brass thumb screw when water begins to seep out of it.

Step 13: Let the Purge cycle finish.

If you have any questions, please reach out to either Client Services or Equipment Support

Client Services – 616-795-4893

clientservices@tommycarwash.com

Equipment Support – 616-795-4893

Support@tommycarwash.com