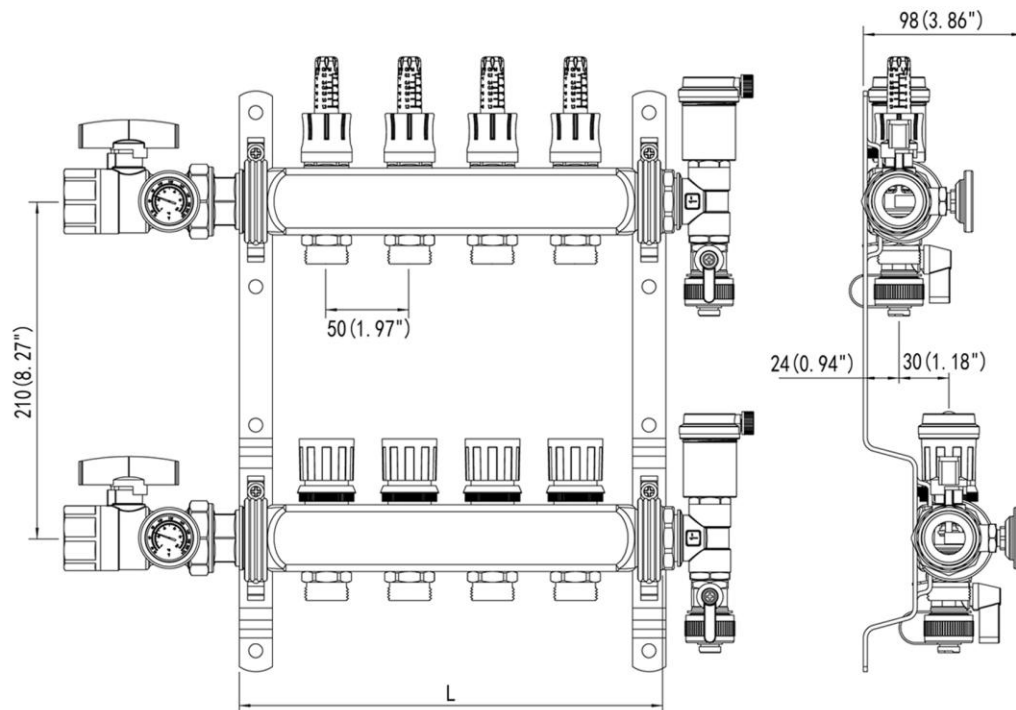




PEX GUY Stainless Steel PEX Manifold Operating Manual



Dimensions: mm (inches)



Call us

1-877-235-6352



Visit us

www.pexsuperstore.com



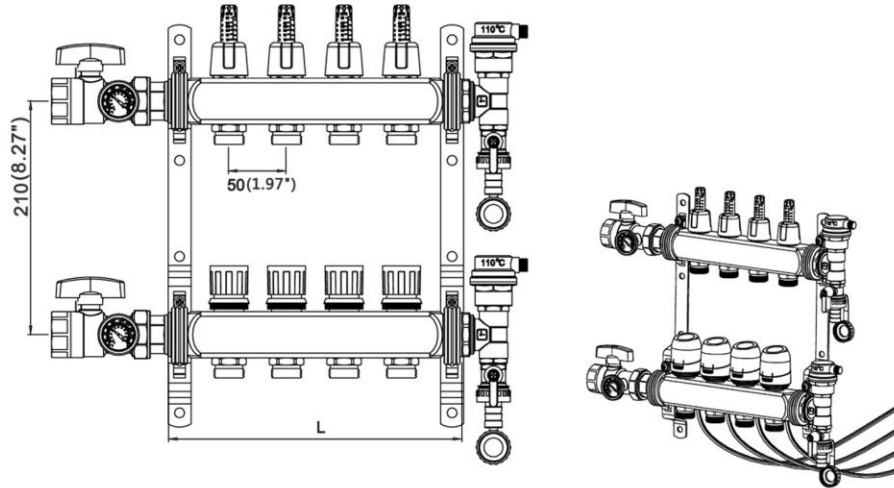
Contact us

sales@pexsuperstore.com

Placing another order?

Visit our Coupon Codes page at: www.pexsuperstore.com/coupons

SPECIFICATIONS (mm/in) and TECHNICAL DATA

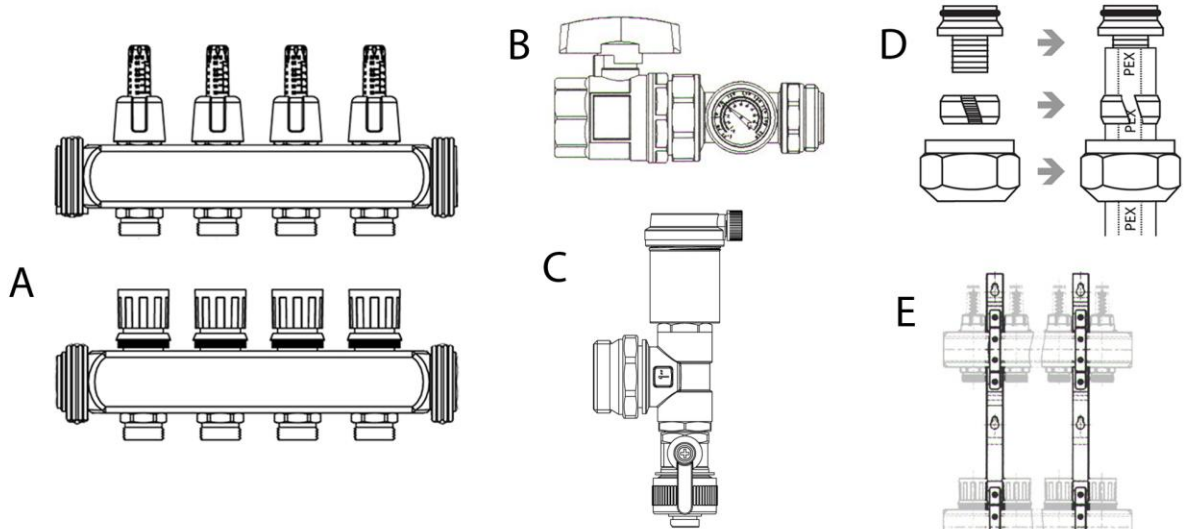


SPECIFICATION	CONNECTIONS	LOOPS	L/mm	L/in
FN16-1F-3/4*2	G1" x 3/4"	2	155	6.10
FN16-1F-3/4*3	G1" x 3/4"	3	205	8.07
FN16-1F-3/4*4	G1" x 3/4"	4	255	10.04
FN16-1F-3/4*5	G1" x 3/4"	5	305	12.01
FN16-1F-3/4*6	G1" x 3/4"	6	355	13.98
FN16-1F-3/4*7	G1" x 3/4"	7	405	15.94
FN16-1F-3/4*8	G1" x 3/4"	8	455	17.91
FN16-1F-3/4*9	G1" x 3/4"	9	505	19.88
FN16-1F-3/4*10	G1" x 3/4"	10	555	21.85
FN16-1F-3/4*11	G1" x 3/4"	11	605	23.82
FN16-1F-3/4*12	G1" x 3/4"	12	655	25.79

Materials	Manifold Body	Stainless Steel
	Port Connection	Brass
	Seal	EPDM
Working Performance	Permissible Maximum Continuous Working Temperature: 82°C (180F) at 6.9bar (100psi)	
Working Media	Media 1	Water
	Media 2	Water/Ethylene Glycol 50/50%
	Media 3	Water/Propylene Glycol 50/50%
Flow	Indication Scale	0.5-5L/min(0.13-1.32G/min)
	Indication Tolerance	± 10%
	Kvs	1.10
Connection	Supply / Return	G1" female
	Circuit Connection	G3/4" male
	Flowmeter Connection	G1/2" male

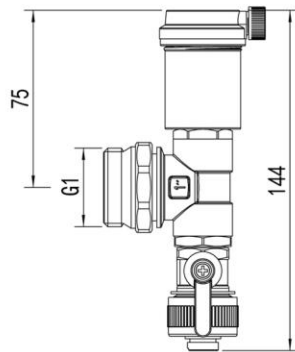
INCLUDED PARTS & NOTES

Included parts:

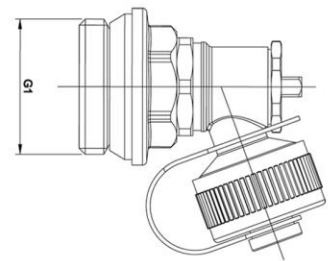


A	- Supply Manifold with Flow Meters
	- Return Manifold with Adjustable Gate Valves
B	- Red Inlet Ball Valve with Temperature Gauge
	- Blue Inlet Ball Valve with Temperature Gauge
C	- Air Purge/Drain Valve (Red)
	- Air Purge /Drain Valve (Blue)
D	- Compression Adpaters/Connectors
E	- Wall Mounting Bracket

Notice: Manifold may come with manual or automatic air vents, Illustrations show automatic air vents.



Automatic Air Vent



Manual Air Vent

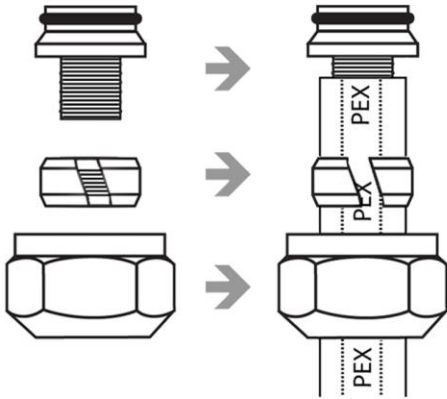
Warning

If you have any questions or do not understand any of the instructions provided, please consult a qualified technician before proceeding. Safe operation of this manifold relies on proper installation. Do not use this product for any purpose other than it's intended use. Improper installation may cause damage or serious injury. We will not be liable for any damage or injury caused by improper use, installation, or operation.

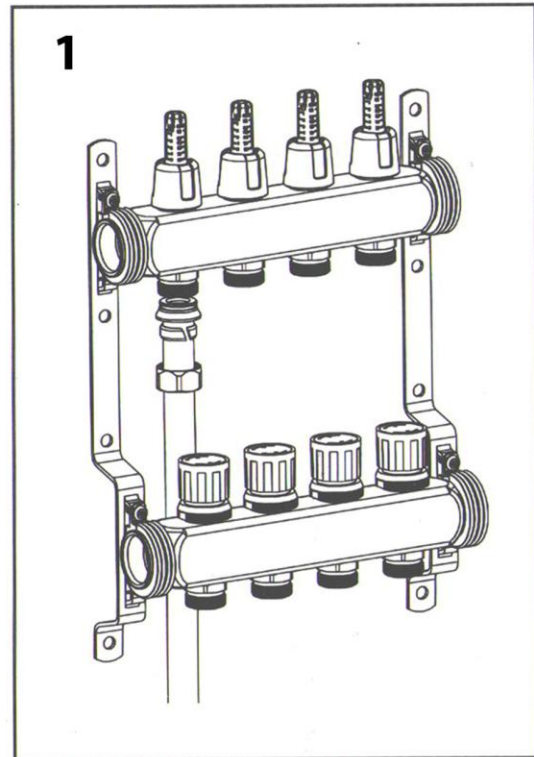
INSTALLATION

Installation Tips:

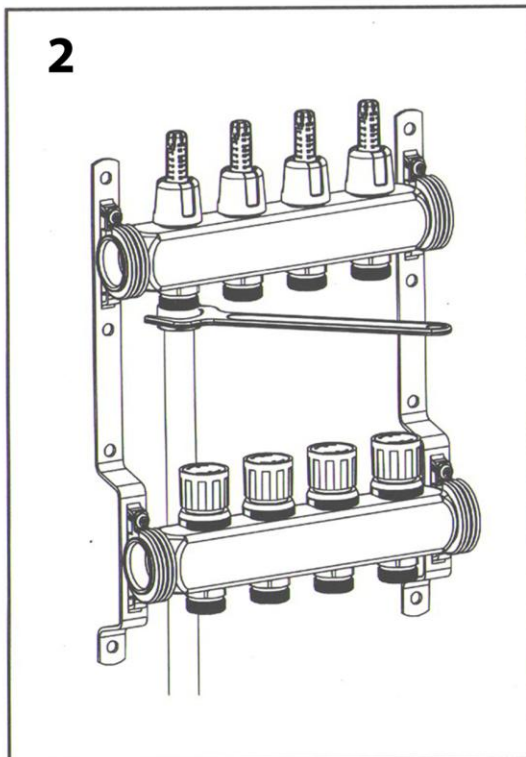
Make sure the PEX piping is cut at a clean, perpendicular angle, and PEX lines are installed on the manifold as straight as possible. This will ensure a leak-proof seal.



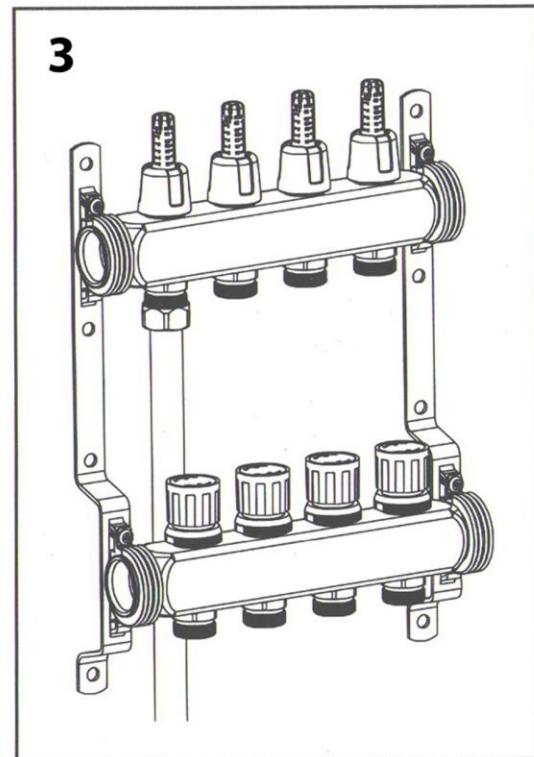
Compression fittings should be assembled as the picture above



Connect tubing to manifold using the provided compression fittings

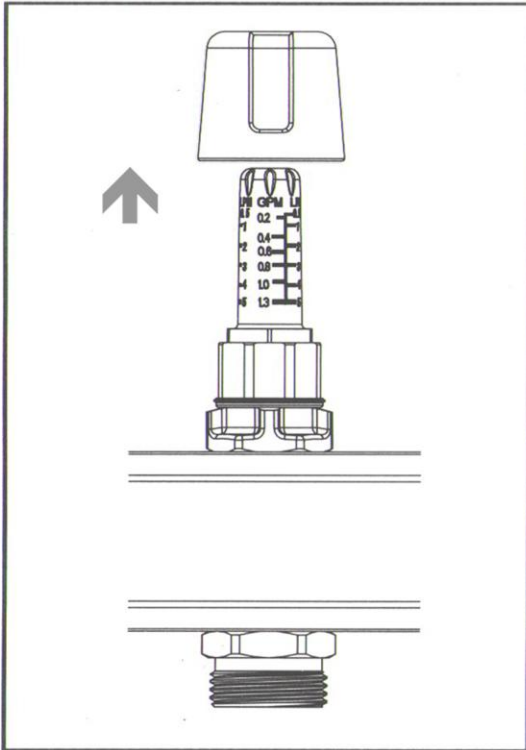


Tighten compression nut to the manifold with a wrench

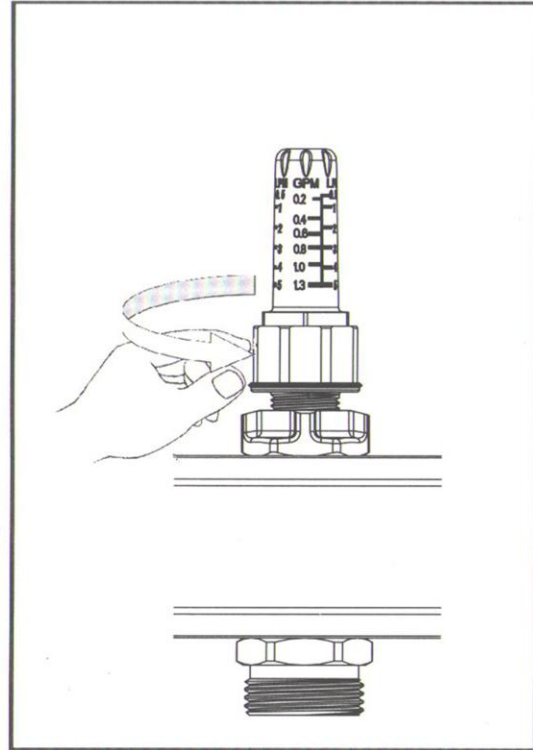


Repeat steps 1 and 2 on each loop to complete your installation

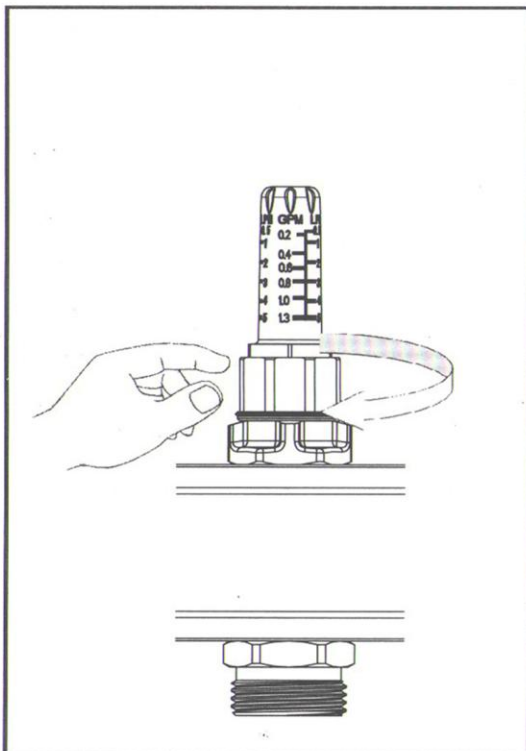
FLOW METER OPERATION



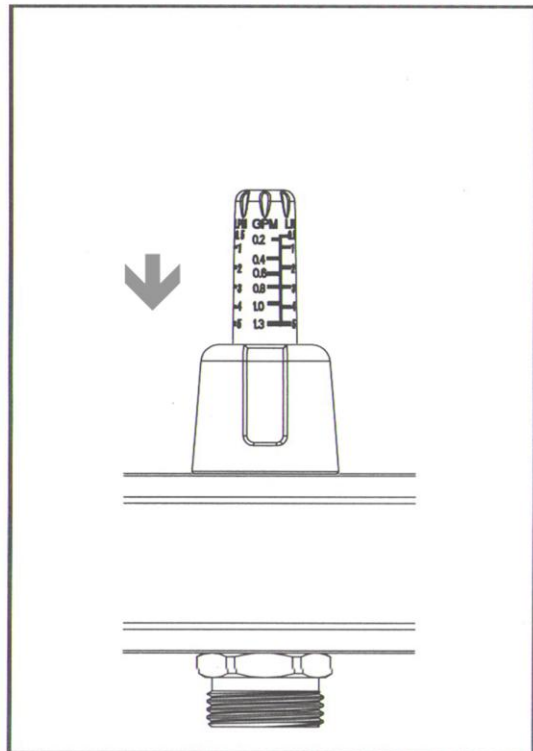
Remove the red flow meter cap



Turn the flow meter counter-clockwise to increase the flow rate



Turn the flow meter clockwise to decrease the flow rate

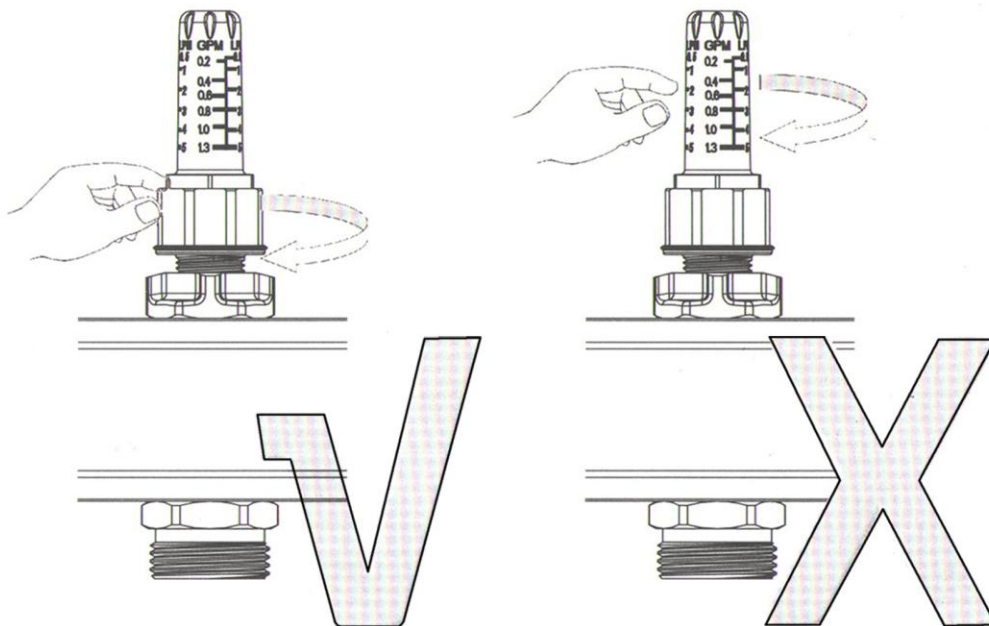


Replace the red cap on the flow meter to the locked position

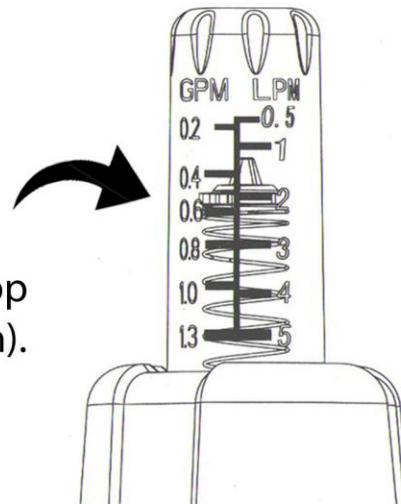
READING THE FLOWMETER

Warning:

- Do not hold flow meter by clear top part when turning to adjust flow rate.
- Do not turn knob counter-clockwise more than 3 full turns, otherwise the red indicator disk will be out of range when the system is pressurized.



Flow can be determined by the position of the red indicator disk. In this example, the corresponding loop has a flow rate of 2 L/min (0.53 G/min).



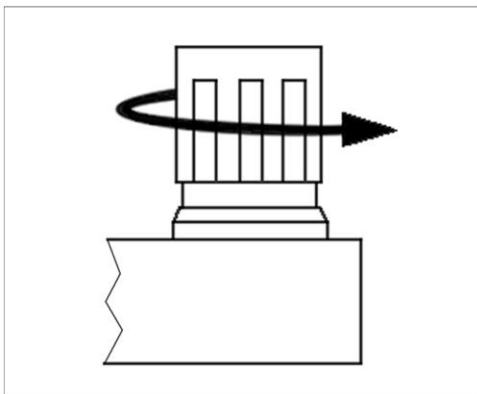
PRESSURE TEST & ACTUATORS

Pressure Test

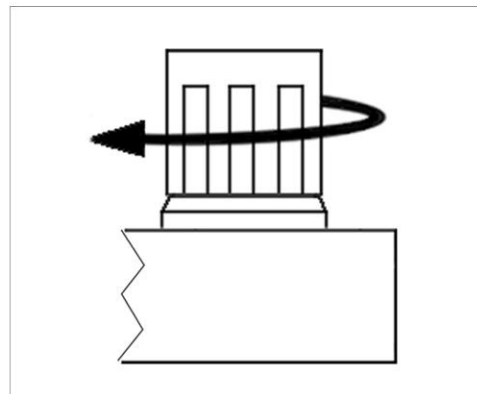
To pressure test your assembled manifold, please follow the steps below:

1. Make sure all lines are hooked up and tightened.
2. Check all air purge valves are closed and hooked up.
3. Connect Pressure Test Kit to the Supply side, where the air purge valve normally connects/threads into.
4. Apply air to the Pressure Test Kit from the schrader valve on the side of the gauge.
5. Pressurize your system to 30-40 PSI.
6. Allow system to sit overnight (if possible). Minimum 2 hours.
7. Check for pressure drop. Pressure reading may fluctuate between 5-10 PSI due to atmospheric changes.
8. If pressure reaches 0 PSI, there is a leak somewhere in your system.

Gate Valve Adjustments and Actuators



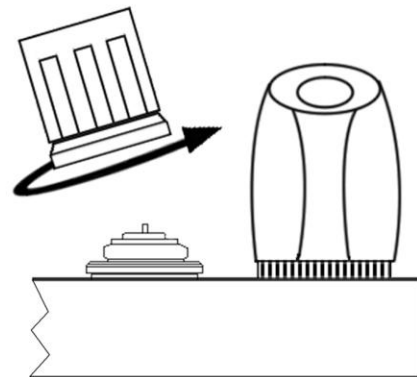
Turn gate valve counter-clockwise to
OPEN the valve



Turn gate valve clockwise to
CLOSE the valve

Installing Actuators:

Remove valve cap by turning the base of the valve counter-clockwise. After the valve cap is removed, you can then install an optional PEX GUY Thermostatic Actuator to automate your valves.



For more PEX GUY products, check us out at:
www.pexsuperstore.com



If any products received within this package are damaged or defective, please feel free to contact us. We will be happy to assist in getting you replacements to complete your system.



1-877-235-6352



www.pexsuperstore.com



sales@pexsuperstore.com