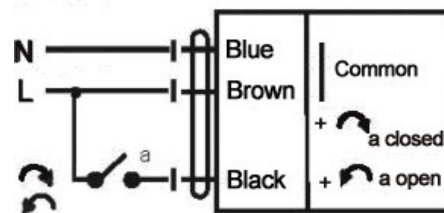




## Chiltrix Motorized 3 Way Valve

| Model #      | Size/Thread    | Max Pressure          | Voltage               | Power Consumption         | Switching Time              |
|--------------|----------------|-----------------------|-----------------------|---------------------------|-----------------------------|
| DN25/G1/G3   | 1"             | 145 psi               | 220VAC±15%<br>50/60hz | 5W                        | 16s                         |
| DN32/G1/G3   | 1.25"          |                       |                       |                           |                             |
| Temp Range   | Valve Material | Actuator Torque       | Seal Type             | Pressure Drop Coefficient | Weight (Actuator and Valve) |
| 23°F - 194°F | Forged Brass   | 3.5 Nm / 2.58 lb.-ft. | EPDM and PTFE         | DN25= 19 Cv<br>DN32=20 Cv | 2 Lbs.<br>2.8 Lbs           |

**These are BSP threaded valves and ship with NPT adapters, gaskets are included to be used on the BSP side. Make sure to avoid tearing the gaskets by using silicon grease on the gaskets before tightening!**



Control wire : BLACK wire  
Power wire(L) : BROWN wire  
Common port(N) : BLUE wire

## G Valves

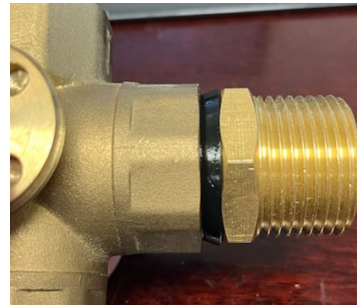
The G valves use a BSPP thread on the valve body its self. Included with each valve is a set of BSPP to 1"NPT adapters. These adapters have rubber O-rings on them. These O-rings must be lubricated with a thin coat of silicone grease. Shown below is a picture of a lubricated O-ring and non lubricated O-ring. If the O-ring is not lubricated then it may tear or deform, resulting in a leak.



Lubricated

Non Lubricated

These O-rings are not tightened the same way a NPT valve is tightened. The BSPP side must be torqued to 40-50 lb./inches.



Lightly seated



Torqued to spec

## G Valves

When installing the NPT side, **MAKE SURE TO HOLD THE ADAPTER WITH A SECOND WRENCH WHILE TIGHTENING THE NPT FITTING AS SHOWN IN THE PICTURE BELOW.**

**This prevents the O-ring from being crushed and squishing out. If the O-ring has been deformed too much then the BSPP threads will leak.**

**NOTE: this picture does not show Teflon/sealant on the npt side of the adapter, you will need to have some type of sealant/Teflon tape on the NPT side.**

**Do NOT use sealant/Teflon tape on the BSPP side with the O-ring.**

