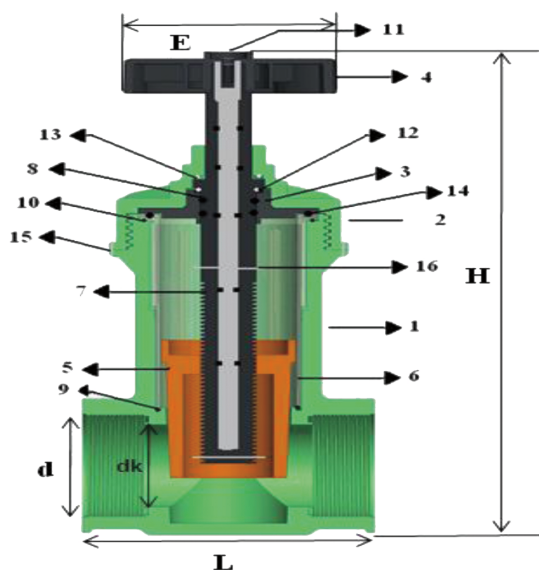




## Applications

- This valve is primarily used for manually throttling downstream pressure down.
- This valve is a reliable throttle valve in place of an expensive brass valve.
- The 3" brass valve may be used for 3" pipe as well as 4" pipe using a set of 4" x 3" reducers when the application is pressure reduction.
- The two side windows help to set and mark the downstream pressure setting location for future reference.

## Features & Benefits

- Multi-turn, linear motion throttle valve for working pressure up to 90 psi (6 bars).
- Its slow closing feature helps to prevent water hammering.
- Steel rod inserted through full length of shaft during injection molding of shaft made of reinforced Nylon that gives excellent strength.
- Float body inside profile is matched by CNC machine for smooth operation and keeping the leakage under permissible limit during complete shut off.
- Dowel pin inserted in the shaft to prevent extra travel of float which do not transfer load on during extra tightening by farmers. This prevents breakage of cap.
- During assembly of throttle valve, two lock pins are inserted to avoid any slippage or loosening of threads of throttle valve cap.
- All parts coming in contact with water are Chemical/Corrosion resistant and also the colors are UV stabilized making it ideally suited for fertigation and chemigation (please consult material section on this page and strength of fertilizers/chemicals used for suitability).

Specification of Material

| PART NO. | PART NAME    | MATERIAL         | QTY. | PART NO. | PART NAME         | MATERIAL | QTY. |
|----------|--------------|------------------|------|----------|-------------------|----------|------|
| 1        | Body         | Reinforced PP    | 1    | 9        | Bottom Gasket     | NBR      | 1    |
| 2        | Flange       | Reinforced PA    | 1    | 10       | Sleeve Gasket     | NBR      | 1    |
| 3        | Disc         | Reinforced PA    | 1    | 11       | Handle Screw      | SS-304   | 1    |
| 4        | Handle       | Reinforced PA    | 1    | 12       | Teflon Seal Big   | Teflon   | 1    |
| 5        | Cylinder     | Reinforced PP    | 1    | 13       | Teflon Seal Small | Teflon   | 1    |
| 6        | PC Housing   | Polycarbonate    | 1    | 14       | Housing Gasket    | NBR      | 2    |
| 7        | shaft        | Reinforced PA+MS | 1    | 15       | Locking Pin       | SS-304   | 2    |
| 8        | Shaft O-ring | NBR              | 2    | 16       | Dowel Pin(4*30)SS | SS-304   | 2    |

Dimensions

|      | Nom     | NPT | d     | dk    | E     | L     | H      |
|------|---------|-----|-------|-------|-------|-------|--------|
| Size | Thd./in |     |       |       |       |       |        |
| 2"   | 11.5    |     | 2.56" | 1.89" | 4.61" | 5.12" | 10.83" |
| 3"   | 8       |     | 3.66" | 2.91" | 4.61" | 7.17" | 15.35" |