

# CFValve™ 1X-ST

## Specifications Sheet



### CFValve™ 1X-ST

*Opens, operates and closes  
at selected operating pressure*

#### Flow Rate

Ultra Low Volume to ½ Gallon Per Minute  
*See Nozzle/Orifice selection guide to obtain target flow rates*

#### Flow Rate Accuracy

+/- 1.5%

*Increased accuracy available upon request or by stacking CFValves™*

#### Repeatability

Less Than 1% variation

#### Max Input Pressure

350 psi

#### Materials

Delrin®(Body); Viton®(Diaphragm); Stainless Steel (Pin)  
*EPDM® Diaphragm and NSF Approved CFValves™ available Special Order*

### Standard Operating Pressures (psi)

14.5psi/1.0bar



29psi/2.0bar



21psi/1.5bar



43.5psi/3.0bar



### Contact

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100 Industrial Place, Sebastian,  
Florida 32958

*For 3/8 BSP" & 1/4 BSP Threads Please See  
1X-30 Specifications Sheet*

#### Customizable on Special Order\*

- Threads
- Materials
- Operating Pressure
- Increased Accuracy

\*Contact Gate representative for more details

# CFValve™ 1X-ST



*For 3/8 BSP" & 1/4 BSP Threads Please See  
1X-30 Specifications Sheet*

**Customizable on Special Order\***  
 - Threads -Materials  
 - Operating Pressure -Increased Accuracy  
 \*Contact Gate representative for more details

## 11/16" Thread:

Hudson, Capri, Swiss Mex, Jacto, Spray Systems

Part #	Thread	Operating Pressure
CFV.Y11/16SYV.ST	11/16"	1.0 Bar/14.5 psi
CFV.R11/16SYV.ST	11/16"	1.5 Bar/21 psi
CFV.B11/16SYV.ST	11/16"	2.0 Bar/29 psi
CFV.G11/16SYV.ST	11/16"	3.0 Bar/43.5 psi

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## 18mm Thread:

Maruyama, C-P Plastic Lance, Hardi, Field King,  
 Berthoud, Matabi, Tecnomat, Chinese "Hardi Type", Capri (Italy)

Part #	Thread	Operating Pressure
CFV.Y18MMV.ST	18mm	1.0 Bar/14.5 psi
CFV.R18MMV.ST	18mm	1.5 Bar/21 psi
CFV.B18MMV.ST	18mm	2.0 Bar/29 psi
CFV.G18MMV.ST	18mm	3.0 Bar/43.5 psi

## 1/4 NPT Thread:

Water, Industrial Use

Part #	Thread	Operating Pressure
CFV.Y1/4NPTV.ST	1/4 NPT	1.0 Bar/14.5 psi
CFV.R1/4NPTV.ST	1/4 NPT	1.5 Bar/21 psi
CFV.B1/4NPTV.ST	1/4 NPT	2.0 Bar/29 psi
CFV.G1/4NPTV.ST	1/4 NPT	3.0 Bar/43.5 psi

