

### ► CLA-VA SERIES 100: Main Function

The CLA-VAL Model Ti-100GS Deluge Valve is designed for use in controlling water flow to Deluge, Pre-Action, or Foam-Water type fire protection sprinkler systems. This valve is U.L. Listed in "Special Systems Water Control Valves Class I (VLFT)".

The Model Ti-100GS is a hydraulically-operated, diaphragm-actuated, globe or angle pattern Deluge Valve. It consists of three major components: the body, the cover, and the diaphragm assembly. The only moving part is the diaphragm assembly. Packless construction and simplicity of design assures long service life and dependable low maintenance for this valve. All ferrous parts are fusion epoxy coated internally and externally for added corrosion resistance, along with a Delrin sleeve stem and Teflon coated removable seat.



### ► Specifications

#### Globe Sizes:

DN 80 - DN 150 (3" - 6")

#### End Details:

ISO 7005-2 / PN 10-16  
150 ANSI B16.42 flanged

#### Pressure Rating:

26 bar max.

#### Temperature Range:

Water, to 80° max.

### ► Material

#### Main Valve Body & Cover:

Titanium ASTM B367, Grade C2

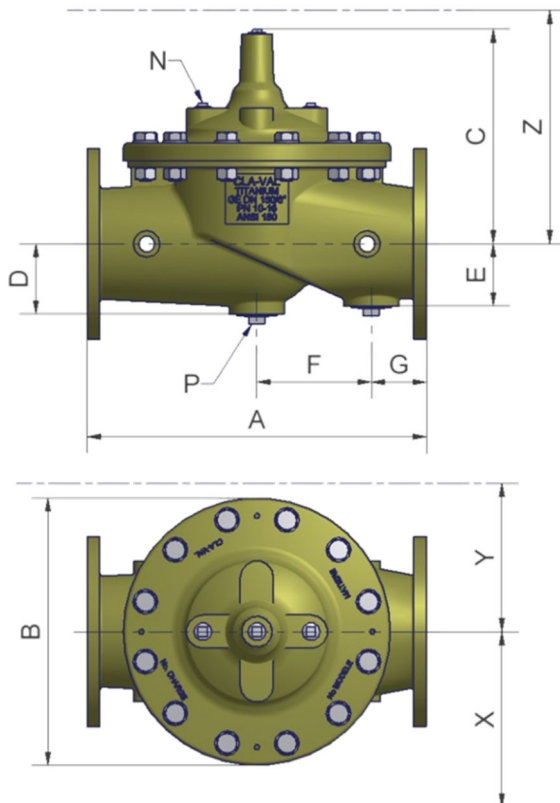
#### Main Valve Internal Trim:

Titanium ASTM B367, Grade C2

#### Diaphragm and Disc:

Buna-N, synthetic rubber

### ► Dimensions



Valve size	DN 80 (3")	DN 100 (4")	DN 150 (6")
<b>A</b>	305	381	512
<b>B [Dia.]</b>	235	295	400
<b>C [Max.]</b>	208	270	340
<b>D</b>	58	76	105
<b>E</b>	58	66	93
<b>F</b>	178	102	171,5
<b>G</b>	63,5	88,5	82,5
<b>N</b>	1/2"	3/4"	3/4"
<b>P</b>	1 1/4"	2"	2"
<b>X</b> [pilot system]	203	216	230
<b>Y</b> [pilot system]	127	152	205
<b>Z</b> [pilot system]	279	305	508
<b>Kv [m³/h]</b>	101	173	400
<b>Cv [l/s]</b>	28	48	111