

# Nivz Valves & Automation

## Pneumatic Operated Ball Valve

DRG. No.: FXV51P

00

Rev. No.

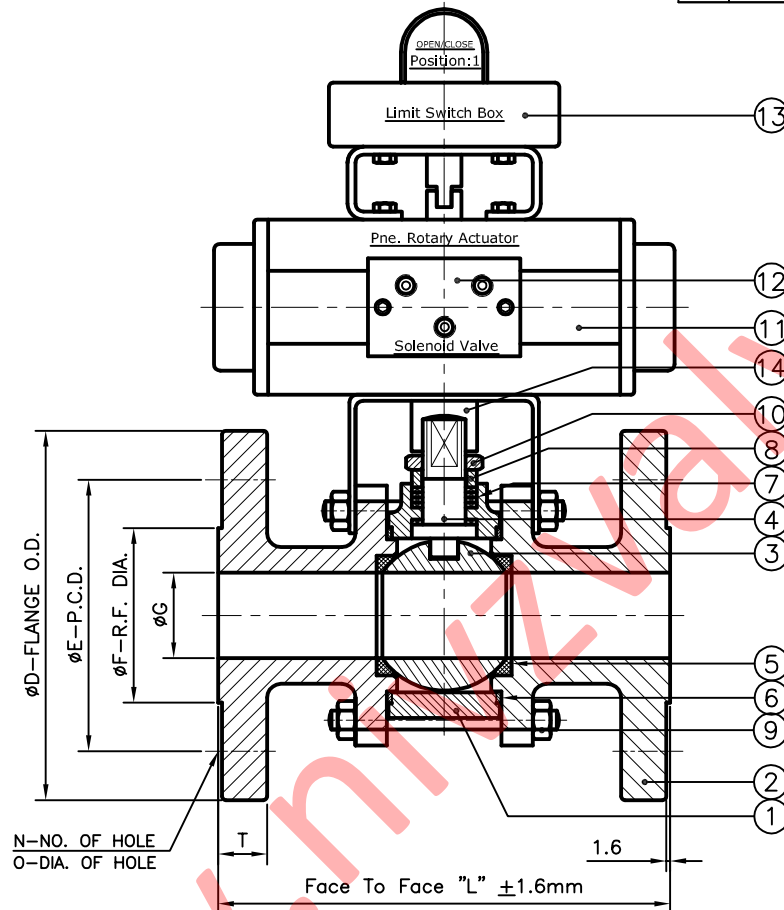
### FEATURES

- \* Low Operating Torque
- \* Leak Tight Stem Sealing
- \* Manual Override Optional

Pressure Rating : 150 #  
End Connection : Flanged End, RF  
Flange Drilling : As Per ANSI B 16.5, Class 150  
Face To Face : As Per ANSI B 16.10  
Operation : Manual Hand Lever Operated

### Nomenclature:-

| NO. | PART NAME         | MATERIAL                                                                  |
|-----|-------------------|---------------------------------------------------------------------------|
| 1   | Body              | A 216 GR. WCB                                                             |
| 2   | Side Piece        | A 351 GR. CF 8/8M/3/3M/CN 7M                                              |
| 3   | Ball              | A 351 GR. CF 8/8M/3/3M/CN 7M<br>Solid Ball Up To 20NB & Above Hollow Ball |
| 4   | Stem              | AISI 304/316/304L/316L                                                    |
| 5   | Ball Seat         | P.T.F.E.(VIRGIN)/GFT/CARBON FILLED                                        |
| 6   | Body Seal         | P.T.F.E.(VIRGIN)/GFT/CARBON FILLED                                        |
| 7   | Gland Seal        | P.T.F.E.(VIRGIN)/GFT/CARBON FILLED                                        |
| 8   | Gland Bush        | AISI 304/316/304L/316L/ALLOY 20                                           |
| 9   | Stud-Nut/Fastener | C.S./A 193 GR. B7/2H/S.S. 304/316                                         |
| 10  | Gland Nut         | C.S./A 194 GR. 2H/S.S. 304/316                                            |
| 11  | Pne. Actuator     | DOUBLE/SINGLE ACTING                                                      |
| 12  | Solenoid          | 5X2 / 3X2 WAY, WEATHER PROOF                                              |
| 13  | Limit Switch      | SPDT TYPE, WEATHER PROOF                                                  |
| 14  | Bracket/Adaptor   | C.S.                                                                      |



Design Standard : BS EN ISO 17292

Dimensions [150 Class]

| SIZE | 15    | 20    | 25    | 32    | 40    | 50    | 65    | 80    | 100   | 150   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| L    | 107.9 | 117.3 | 127   | 139.7 | 165.1 | 177.8 | 190.5 | 203.2 | 228.6 | 267   |
| G    | 12.5  | 19    | 25    | 32    | 38    | 50    | 63    | 75    | 100   | 150   |
| ØD   | 89.0  | 98.5  | 108.0 | 117.3 | 127.0 | 152.4 | 177.8 | 190.5 | 228.6 | 279   |
| ØE   | 60.5  | 70.0  | 79.25 | 88.9  | 98.55 | 120.6 | 139.7 | 152.4 | 190.5 | 241.3 |
| ØF   | 35.0  | 43.0  | 50.8  | 63.5  | 73.0  | 92.1  | 104.7 | 127.0 | 157.2 | 215.9 |
| N    | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 8     | 8     |
| ØO   | 15.8  | 15.8  | 15.8  | 15.8  | 15.8  | 19    | 19    | 19    | 19    | 22    |
| T    | 9.6   | 10.4  | 11.1  | 14.2  | 12.7  | 15.4  | 16    | 16.5  | 19    | 25.4  |

All Dimensions Are In mm

Testing Standard : BS EN 12266 I/  
API 607

| Test Pressure in PSIG/BAR/KG./CM <sup>2</sup> |             |      |    |     |     |     |
|-----------------------------------------------|-------------|------|----|-----|-----|-----|
| Test                                          | Hydrostatic |      |    | Air |     |     |
| Pr. Rating                                    | 150#        |      |    |     |     |     |
| Body                                          | 425         | 29.3 | 30 |     |     |     |
| Seat                                          | 300         | 20.7 | 21 | 80  | 5.5 | 5.6 |

VALVES & AUTOMATION  
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Client \_\_\_\_\_

Order / Enq. No. \_\_\_\_\_

Job / Project \_\_\_\_\_

Manufactured By : Nivz Valves &amp; Automation, Ahmedabad, Gujarat, INDIA.

Due to continuous development programme, the design and data given in this leaflet are subject to change without prior notice