

## Fig No:DA958EB / SR958EB

1/2" ~ 2" ( DN 15~ DN 50 )

DA:Double Acting SR:Spring Return



### Valve Specification :

#### Design specification according to ASME/BPE-2002

The ID for the Valve flow Path (Pall Seats end) Shall be the Same ID as the tubing as per ASME / BPE 2002

Material : Stainless steel

Orbital weld end fittings have a wall thickness that matches connecting U.S. gaugem ISO, or DIN Tubing

Seat and Seals all materials are FDA compliant

Actuator mounting shall be in accordance with ISO 5211 direct mounting In-Line Maintenance

Valve do not require disassemble for welding

Interior, surfaces are 20 Ra (0.50µm)

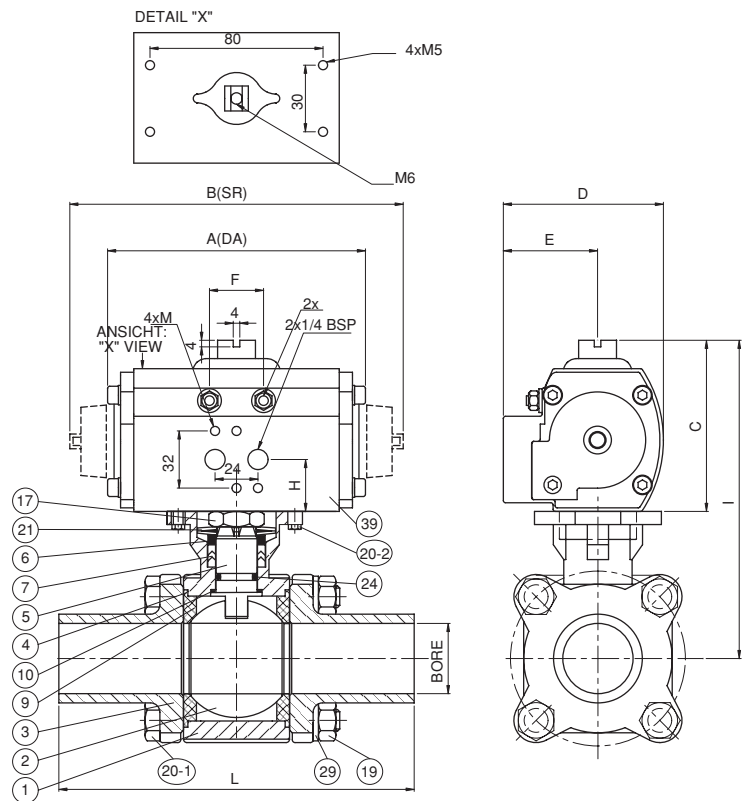
End connection : Tube End

Temperature Range : -4 to 356°F (-20 to 180°C)

Options : Cavity filled seat

### MATERIALS LIST

| NO.  | PART NAME          | MATERIAL          | QTY   |
|------|--------------------|-------------------|-------|
| 1    | BODY               | ASTM A351 GR.CF8M | 1     |
| 2    | BALL               | ASTM A351 GR.CF8M | 1     |
| 3    | END CAP            | ASTM A351 GR.CF3M | 2     |
| 4    | BODY SEAL          | TFM 1600          | 2     |
| 5    | STEM               | SS316             | 1     |
| 6    | FOLLOWER           | SS304             | 1     |
| 7    | STEM PACKING       | PTFE.             | 1 SET |
| 9    | SEAT               | PTFE.             | 2     |
| 10   | THRUST WASHWE      | PTFE.             | 1     |
| 17   | STEM NUT           | SS304             | 1     |
| 19   | BOLT NUT           | SS304             | 4~12  |
| 20-1 | END CAP BOLT       | SS304             | 4~12  |
| 20-2 | BOLT               | SS304             | 4     |
| 21   | BELLEVILLE WASHER  | SS301             | 1 SET |
| 24   | O-RING             | VITON             | 1     |
| 29   | BOLT WASHER        | SS304             | 4~12  |
| 39   | PNEUMATIC ACTUATOR | ALUMINUM          | 1     |



### DIMENSIONS

Unit:mm

| SIZE       | 1/2"   |           | 3/4"   |           | 1"      |           | 1-1/2"  |            | 2"      |            | 2-1/2"   |            | 3"       |            | 4"       |            |
|------------|--------|-----------|--------|-----------|---------|-----------|---------|------------|---------|------------|----------|------------|----------|------------|----------|------------|
| Air Supply | 80 PSI |           | 80 PSI |           | 80 PSI  |           | 80 PSI  |            | 80 PSI  |            | 80 PSI   |            | 80 PSI   |            | 80 PSI   |            |
| ACTUATOR   | DA     | SR        | DA     | SR        | DA      | SR        | DA      | SR         | DA      | SR         | DA       | SR         | DA       | SR         | DA       | SR         |
|            | C-125  | C-250 SR3 | C-125  | C-250 SR4 | C-250   | C-450 SR3 | C-450   | C-1000 SR3 | C-450   | C-1000 SR3 | C-1000   | C-2250 SR4 | C-1000   | C-3650 SR3 | C-2250   | C-3650 SR4 |
| BORE       | 9.5    |           | 15.9   |           | 22.2    |           | 35.0    |            | 47.6    |            | 60.3     |            | 73.0     |            | 97.4     |            |
| A          | 120.0  | **        | 120.0  | **        | 144.3   | **        | 149.2   | **         | 149.2   | **         | 183.0    | **         | 183.0    | **         | 259.6    | **         |
| B          | **     | 194.6     | **     | 194.6     | **      | 205.6     | **      | 250.0      | **      | 250.0      | **       | 355.0      | **       | 422.0      | **       | 422.0      |
| C          | 84.0   | 99.0      | 84.0   | 99.0      | 99.0    | 118.0     | 118.0   | 141.0      | 118.0   | 141.0      | 141.0    | 161.0      | 141.0    | 196.0      | 161.0    | 196.0      |
| D          | 62.2   | 81.4      | 62.2   | 81.4      | 81.4    | 95.0      | 95.0    | 119.0      | 95.0    | 119.0      | 119.0    | 140.5      | 119.0    | 185.2      | 140.5    | 185.2      |
| E          | 33.7   | 47.8      | 33.7   | 47.8      | 47.8    | 51.5      | 51.5    | 64.5       | 51.5    | 64.5       | 64.5     | 75.5       | 64.5     | 105.5      | 75.5     | 105.5      |
| F          | 24.0   | 32.5      | 24.0   | 32.5      | 32.5    | 32.5      | 32.5    | 46.2       | 32.5    | 46.2       | 46.2     | 54.0       | 46.2     | 79.7       | 54.0     | 79.7       |
| G          | MxP0.8 | M5xP0.8   | MxP0.8 | M5xP0.8   | M5xP0.8 | M6xP1.0   | M6xP1.0 | M8xP1.25   | M6xP1.0 | M8xP1.25   | M8xP1.25 | M10xP1.5   | M8xP1.25 | M12xP1.75  | M10xP1.5 | M12xP1.75  |
| H          | 23.5   | 29.7      | 23.5   | 29.7      | 29.7    | 30.2      | 30.2    | 33.5       | 30.2    | 33.5       | 33.5     | 39.0       | 33.5     | 97.4       | 39.0     | 97.4       |
| I          | 121.0  | 138.0     | 129.0  | 144.0     | 152.0   | 171.0     | 187.0   | 210.0      | 196.0   | 219.0      | 238.0    | 258.0      | 247.5    | 302.5      | 295.6    | 325.6      |
| L          | 110.0  |           | 119.0  |           | 124.0   |           | 141.0   |            | 162.0   |            | 197.0    |            | 229.0    |            | 243.0    |            |