



Z-TIDE Valves

## DIRECT-ACTIVATED PRESSURE REDUCING VALVE ( Titanium - Offshore )

- ▶ Valve Body is made by Titanium, suitable for chemical, oil & gas, sea water, drink water, food, air...etc.
- ▶ The gate is balanced-pressure designed, which will not influence the outlet pressure caused by unstable inlet pressure.
- ▶ When the outlet pressure responds directly to the pressure control chamber and adjusts the setting pressure, it responds quickly and adjusts the pressure accurately.
- ▶ Design of piston and diaphragm improves the inability of sustaining pressure and leakage.



- ▶ Body Testing Pressure :  $24 \text{ kgf/cm}^2$
- ▶ Max Applied Pressure :  $16 \text{ kgf/cm}^2$
- ▶ Adjusting Range :  $1 \sim 6 \text{ kgf/cm}^2$   
 $4 \sim 10 \text{ kgf/cm}^2$
- ▶ Applied Temperature :  $-15 \sim 100 \text{ }^\circ\text{C}$

| No | Part Name      | Material                  |
|----|----------------|---------------------------|
| 1  | Pressure Gauge | Stainless Steel           |
| 2  | Upper Cover    | Titanium                  |
| 3  | U-Ring         | Viton(Teflon Coating)     |
| 4  | Main Body      | Titanium                  |
| 5  | Piston         | Titanium                  |
| 6  | Sealing Spacer | Viton / Teflon            |
| 7  | Shaft          | Titanium                  |
| 8  | Diaphragm      | CR Rubber(Teflon Coating) |
| 9  | Fixed Bolt     | Titanium                  |
| 10 | Washer         | Stainless Steel 304       |
| 11 | Spring         | Spring Steel              |
| 12 | Spring Cover   | Titanium/SS316            |
| 13 | Washer         | Stainless Steel 304       |
| 14 | Adjusting Stem | Stainless Steel 304       |

(Thread End)

| Item No | Size  | H(mm) | L(mm) | Weight(kg) | CV |
|---------|-------|-------|-------|------------|----|
| RDT-15  | 1/2"  | 70    | 60    | 0.32       | 2  |
| RDT-20  | 3/4"  | 70    | 70    | 0.40       | 4  |
| RDT-25  | 1"    | 80    | 80    | 0.64       | 6  |
| RDT-32  | 1.25" | 85    | 90    | 1.20       | 10 |
| RDT-40  | 1.5"  | 110   | 110   | 2.00       | 13 |
| RDT-50  | 2"    | 115   | 115   | 2.40       | 17 |

