KVT - Special Valve Series, Model KXB/SM

High Pressure Quick Changeover Valve for Steel Mill Plant, Descaling system

Design Features

- Hydraulic Energy Dissipating special designed cage
- Very high pressure
- Very low pressure
- U-Cap seal Packing System upper/bottom
- High robust structural yoke design - maintaining stable operation
- Pressure Balanced Design-lower thrust (adopt smaller actuator)

Model KXB/SM
Quick Changeover Valve System Configuration for High Pressure differential System

When the system $\Delta P > 200\text{bar}$, the high $\Delta P$ quick changeover valve system must consist of valve & restriction orifice (KVT product model KSO-MCM Series) as shown on below arrangement.

If to use lower $\Delta P$ changeover valve, all of $\Delta P$ have to cover in the restriction orifice. KVT recommend the system high $\Delta P$ take share in the valve (40\%) & orifice (60\%) respectively.
**Selection Guideline**

High Pressure Quick Changeover Valve, Product Code System

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- **Operator(actuator) option**
  - Pneumatic Piston Actuator : P
  - Hydraulic Piston Actuator : H

- **Valve size option** (only 4 sizes available. for other size please consult KVT)
  - DN100(4") : 1A, DN125(5") : 1B, DN150(6") : 1C, DN200(8") : 2A

- **Pressure class option**
  - up to 300barg service : AH
  - up to 450barg service : AI
  - up to 600barg service : AJ

- **End connection option**
  - Raised face : R
  - Ring / tongue Joint : T
  - Lens Joint : L
  - Hub connector Joint : H

- **Valve body material option**
  - Carbon steel : A
    - A216-WCB/ WCC, A352-LCB/ LCC, A105
  - High strength carbon steel : W
    - WB36(15NiCuMoNb5-6-4)
KVT Special Product (Model KXB)
High Pressure Quick Changeover Valve
for Steel Mill Plant

1. All the design information above will be changed without notice for design improvement.
2. Custom designed special valve is available as per request.