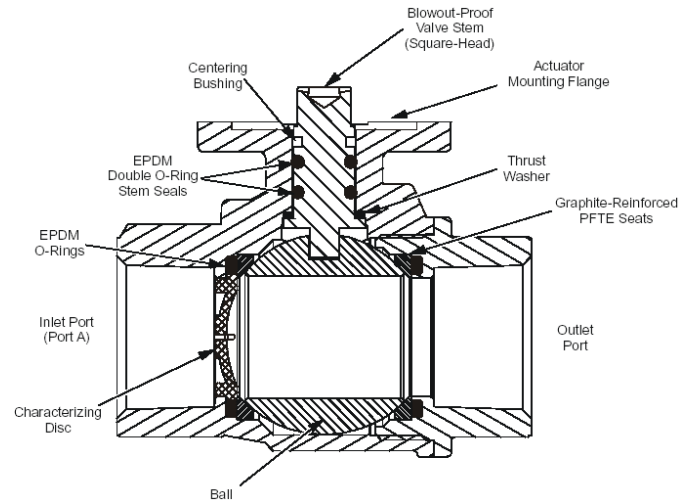


*Characterization discs providing wide range of Kv values*

**VG1000 Series Control Valves**

**Challenges for the HVAC Controls Design :**

- ☞ Linear heat output with Control Signal.
- ☞ Right valve for the right application.
- ☞ Good rangeability, to cater to the load variations by a single valve.
- ☞ Highest working pressure (High Rise Buildings) & highest shut off pressure (2Way Valves)
- ☞ Compact Size, easy installing procedures, minimum seat & stem leakage



*Cross-Section of the VG1000 Valve*

**Solutions from Johnson Controls – “Made Right; Right Away”**

- ☞ Inherent equal percentage characteristics, to achieve good modulating temperature control & linear heat output.
- ☞ Wide ranges of Kv values to suit all applications.
- ☞ Greater than 500:1 rangeability.
- ☞ High working pressure of 40 Bar; PN40 rating suitable for low as well as high rise buildings.
- ☞ Rotary movement of valve plug independent of flow direction provides a high close off-pressure of 1340 kPa independent of the torque choice of actuators.
- ☞ Square head valve stem reduces hysteresis providing perfect control.
- ☞ Long life - PTFE graphite-reinforced seats and dual EPDM O-rings
- ☞ Maintenance-free design tested over 20000 cycles of contaminated iron-oxide water.

**JOHNSON CONTROLS INDIA PVT.LTD.**

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