MANKENBERG

DM652 Product Note

The new DM 652 ATEX is a diaphragm-controlled, spring-loaded and balanced proportional control valve for the use in potentially explosive atmospheres. The valve is made of deep-drawn stainless steel with excellent corrosion resistance. The valve cone is soft sealed.

Self-acting pressure reducers are simple control valves offering accurate control whilst being easy to install and maintain. They control the pressure downstream of the valve without requiring pneumatic or electrical control elements.

Technical Data

Connection DN	15 – 50
Connection G	1/2 – 2
Nominal Pressure PN	40
Inlet Pressure	Up to 40 BAR
Outlet Pressure	0.1 – 12 BAR
KVS Value	5 – 22 m³/h
Temperature	-10°C up to +190°C
Media	Liquids and Gases

ATEX Marking Ex II 2G IIB TX -10°C < Ta < +80°C

Features & Benefits

- All Stainless Steel Construction
- Non Rising Adjusting Screw
- Quick-Release Body Clamp Ring
- Sense Line and Leakage Line Connection
- Diaphragm Protected by PTFE Foil
- Grounding Device on Valve Body
- ATEX as per 2014/34/EU
- Protected Body Connections
- Electrically Conductive Components
- Balanced Cone
- Potential Equalisation

ValvePilot

The calculation and design software ValvePilot assumes the task of calculating the KV and KVS value for you. These values are essential for the optimal selection of valves. In addition, the programme determines the following values/parameters:

- ✓ Noise Pressure Level
- ✓ Nominal Diameter
- ✓ Reduction Ratio
- ✓ Inflow and Outflow Velocity
- ✓ Phase Changeover

ValvePilot can also provide warnings about potential hazards such as cavitation, flashing or excess noise pressure levels. You will also receive an alert if a pipe expansion is required due to your operation parameters.

Three different calculation modes **Basic** / **Expert** / **Expert+** allow for tailoring to your requirements. Allow ValvePilot to determine a suitable model for your application needs.

Click on the below link to start your download now:

http://boiswood.co.uk/content/uploads/valvepilot/valvepilot_v101.zip