

# mokveld intelligent valve positioner

## product summary sheet

<b>Type designation</b>	Intelligent valve positioner
<b>Mokveld model</b>	SRD991
<b>Housing</b>	Aluminium or Stainless steel
<b>Controllability</b>	Easy to operate, menu-driven graphical LCD Multilingual full text display, visible also with cover closed All parameters can be configured locally by push buttons
<b>Diagnostics</b>	Status and diagnostic messages visible on LCD display Advanced diagnostics for valve predictive maintenance Premium diagnostics for valve signatures, on-line friction, ..
<b>Suitable for</b>	Safety applications up to SIL 3 ATEX and FM approval for EEx ia - 'intrinsic safe'
<b>Communication</b>	HART Protocol with only 420 Ohms load PROFIBUS PA acc. to IEC 1158-2 based on FISCO FOUNDATION Fieldbus HI acc. to IEC 1158-2 based on FISCO with PID, AO, 2 x DI, DO function blocks and LAS functionality Infrared interface for wireless communication
<b>Mounting</b>	Easy mounting to all Mokveld actuators
<b>Options</b>	Limit switches and position transmitter Gauge manifolds or volume boosters Pressure sensors for supply air and outputs



## Mokveld intelligent valve positioner technical data

- **Advanced diagnostics** • Auto start • Custom characterization • Auto diagnostic • Alarm management  
• Alarm output for switching (with option board) • Status list acc. NEI07  
• Position history • Response history
- **Premium diagnostics** • On line friction • Stepping signature • Ramping signature • Sensitivity signature  
• Valve signature • PST • PST predictive maintenance
- **Communication**
  - Set point 4-20 mA / load 300 Ohms
  - HART Set point 4-20 mA  
Load 420 Ohms
  - PROFIBUS PA and FOUNDATION Fieldbus HI  
Base current 10,5 mA ± 0,5 mA + FISCO  
FDE (Fault Disconnection Electronic)
  - FoxCom Digital  
certified DTMs for HART, Profibus PA and FF HI
- **Display**
  - Multilingual graphical LCD with full text display
  - LEDs
  - Mechanical indicator (standard)
- **Supply** 1,4 to 7 bar (20 to 105 psig) instrument air or natural gas (clean)
- **Protection class** IP 66, NEMA 4X
- **Electrical classification** • ATEX 'intrinsic safety' II 2 G EEx ia IIC T4 / T6  
• FM / CSA 'intrinsic safety' Class I, Div. I, Groups A, B, C, D
- **Electrical connection** M20 x 1,5
- **Pneumatic connection** ¼" NPT
- **Ambient temperature** -40 to +80 °C (-40 to +176 °F)
- **Weight** 1,7 kg / 3,7 lbs (double acting: 2 kg / 4,4 lbs)
- **Optional features (plug & play)**
  - Inductive limit switches (2- or 3-wire) • Position transmitter (4-20 mA)
  - Binary inputs or binary outputs • Binary inputs / outputs dedicated to SIS logic solvers
- **Failure action**
  - Fail close / open
  - Fail stay put on loss of supply and/or loss of signal

For more detailed information, please contact Mokveld.