



# Semflex-VM

## Intelligent, Multi-Turn, Electric Actuator

### <Applications>

- Market segment:  
Water / Energy / Oil / Gas / Vessel / Ventilation / Chemical and any Industrial process
  - Valve types:  
Gate / Globe / Butterfly\* / Ball\* / any types of valve (\* In combination with Gear Box)
  - Optional Functions:  
Positioning / Modulating / Variable Speed operation mode  
Water hammer prevention / Valve purge / Torque retry mode  
Communication: Profibus-DP / Modbus-UTS, Self-Diagnosis
- \*Please contact us for more details and other options.

### <Specification Data>

Type		VM-01	VM-04	VM-07	VM-1
Allowable Torque (Nm)		150	550	850	1800
Allowable Thrust (kN)		70	130	160	270
Sleeve Rotation Speed (min-1)	50Hz	11.3~75.9	11.3~75.9	11.3~75.9	11.3~75.9
	60Hz	13.5~91.1	13.5~91.1	13.5~91.1	13.5~91.1
Allowable Valve Rod Diameter (mm)	Non-Rising	34	50	60	80
	Rising	40	58	72	95
Flange size		F10	F14	F16	F25
Motor	Output(kW)	0.2/0.4/0.75	0.75/1.5/2.2	1.5/2.2/3.7	2.2/3.7
	Power-Supply (V)	3-phase 200/400			
	Insulation Class	F			
	Brake	-			
	Thermal protector	Built-in			
Position Detection		Electric absolute encoder, 16 pulse			
Torque Detection		Worm motion sensing (contactless potentiometer)			
Indicator		LCD : position(%), fault icons, indicator, 3-character			
Local Operation		Push button : OPEN, CLOSE, STOP			
		Select switch : LOCAL - OFF - REMOTE			
Manual/Electric switching		Auto return type, with a handle (Option : Manual return type)			
Explosionproof (Option)		Exd II BT4			-
Ambient Temperature		-10~60°C (Option : 80°C)			
Protection Structure		IP68			
Coating		Standard color coating (Munsell N8)			

\*Dimensions and shape are subject to slight change without notice.

