MULTIVOLTAGE ELECTRIC ACTUATORS

VT PLUS

90° electric actuator · 400 – 2400 Nm

A 90° electric actuator with epoxy-coated aluminium housing and manual override by handwheel, for torques from 400 to 2400 Nm. In accordance with CE-RoHS-REACH Directives. VT PLUS models include AXMART® Bluetooth® functionality.

- Multivoltage: 100–240 V or 24–48 V 50/60 Hz
- 3-point modulating, on-off and pulse control
- IP68 5 m / 72 h · S4 50 % duty cycle
- AXMART® Bluetooth® included
- BBPR, POSI, 3-position & Modbus-RTU



400–2400 Nm	IP68	50 %	-20...70 °C
TORQUE RANGE	5 M / 72 H	DUTY CYCLE S4	AMBIENT (STANDARD)

Pick the torque. Pick the function.

AVAILABLE CODES BY TORQUE

TORQUE	Std	BBPR	POSI	POSI BBPR	3-pos	3-pos BBPR
400 Nm	G00	GS6	GP7	GPS	GF3	GFS
600 Nm	G00	GS6	GP7	GPS	GF3	GFS
1000 Nm	G00	GS6	GP7	GPS	GF3	GFS
1500 Nm	G00	GS6	GP7	GPS	GF3	GFS
2400 Nm	G00	GS6	GP7	GPS	GF3	GFS

BBPR
Battery backup returns the valve to a safety position (open or closed, set via AXMART®) on power failure. Bluetooth® included.

POSI
Positioning by 4–20 mA or 0–10 V analogue signal with 4–20 mA / 0–10 V feedback. Reversible signals, training mode.

3 positions
Intermediate position between 0° and 90°, 180° or 270°, with feedback switches for each position.

Modbus-RTU®
RS485 fieldbus: up to 31 actuators over 1200 m per line, up to 247 with repeaters.

Bluetooth® AXMART®
Monitoring, set-up and control within 15 m in open field. Free app for Android and iOS.

POWER SUPPLY
100–240 V 50/60 Hz (100–300 V DC) · 24–48 V 50/60 Hz (24–72 V DC)

CONNECTION
ISO 5211 · VT400-1000 Nm: F10/F12 · VT1500-2400 Nm: F12/F14/F16 · single multipin connector

CE EAC UKCA

Technical data.

VT PLUS SERIES

CONSTRUCTION

Housing	Aluminium with epoxy coating
Mounting	ISO 5211 · VT400-1000 Nm: F10/F12 · VT1500-2400 Nm: F12/F14/F16 · star drive nut
Manual override	By handwheel
Indicator	Position indicator
Travel stops	Mechanical travel stops at 0° and 90°
Connector	Single multipin connector
Weight	VT400-1000 Nm: 25 kg · VT1500-2400 Nm: 54 kg

VERSIONS

Rotation	Standard 90° · 180° or 270° on request for 400, 600 and 1000 Nm models
Marine	High durability Norsok M-501 system 6A coating, 15-year warranty (Norsok certificate available on request)

ELECTRICAL & CONTROL

Supply	Multivoltage: 100–240 V 50/60 Hz (100–300 V DC) · 24–48 V 50/60 Hz (24–72 V DC)
Control	3-point modulating, on-off and pulse control
Duty cycle	S4 50 % (IEC34)
Feedback	2 adjustable position feedback switches
Heater	Anticondensation heater
Torque limiter	Electronic
Failure relay	Actuator failure feedback relay (normal duty, failure)
Comms	RS485 connection · AXMART® Bluetooth® included

ENVIRONMENT

Temperature	Standard -20 °C to +70 °C · BBPR -10 °C to +40 °C
Enclosure	IP68 5 m / 72 h
Approvals	CE · EAC · UKCA

Range & ordering codes.

VOLTAGE VERSION SHOWN IN RED HEADER

Standard + BBPR + POSI + POSI-BBPR + 3-position + 3-position BBPR

.G00 Standard · **.GS6** BBPR · **.GP7** POSI · **.GPS** POSI-BBPR · **.GF3** 3-position · **.GFS** 3-position BBPR

100–240 V 50/60 Hz (100–300 V DC)	24–48 V 50/60 Hz (24–72 V DC)	Drive / ISO 5211	Torque	Power	Time 90°
VT400.A0A	**VT400.A0B**	36 F10/F12	**400 Nm**	300 W	35 s
VT600.A0A	**VT600.A0B**	36 F10/F12	**600 Nm**	300 W	45 s
VT1000.A0A	**VT1000.A0B**	36 F10/F12	**1000 Nm**	300 W	72 s
VT1500.B0A	**VT1500.B0B**	46 F14	**1500 Nm**	300 W	182 s
VT1500.C0A	**VT1500.C0B**	46 F12/F16	**1500 Nm**	300 W	182 s
VT2400.B0A	**VT2400.B0B**	46 F14	**2400 Nm**	300 W	291 s
VT2400.C0A	**VT2400.C0B**	46 F12/F16	**2400 Nm**	300 W	291 s

Full code = code shown + function suffix, e.g. VT400.A0A.G00

Sizing: Valpes recommend an actuator torque of 1.5 × the maximum valve torque (2 × for POSI versions).

Options.

CODE	DESCRIPTION
MARINE	Marine coating (400-1000 Nm)
MARINE	Marine coating (1500-2400 Nm)
VIB	Version for applications with vibrations
LC	Local control box F10/F12 (IP66)
MODBUS	MODBUS-RTU communication

Compatibility.

Option / connection	Std G00	BBPR GS6	POSI GP7	POSI-BBPR GPS	3-pos GF3	3-pos BBPR GFS
MARINE	●	●	●	●	●	●
VIB	●	●	●	●	●	●
MODBUS	●	●	●	●	●	●
LC	●	–	–	–	–	–

Data supplied by Valpes and provided for reference only. Specifications may change without notice – please confirm details with Actuation Valve & Control before ordering.

AV®

Large quarter-turn valves to automate?

Talk to our UK team about VT PLUS sizing, functions and complete actuated valve packages.

actuation.co.uk