

valpes

own the flow

Electric actuators



 **valpes**
FLOW CONTROL SYSTEMS

ER Premier Serie



Specification

90° reversible multi-voltages electric actuators, PA6.6 housing UL94V0 with secured manual override and compliant with the CE quality standards. Available in 20-35-60 or 100 Nm. Operating times 6 to 22 seconds depending on type.

Standard equipment

- Multi-voltages 100V to 240V 50/60Hz (100 to 350V DC) or 24V 50/60Hz (24V DC)
- On-Off or 3 modulating points control
- 4 adjustable 5A limit switches
- Removable plate ISO fixation ER20 =F03-F04-F05- ER35 to ER100 =F05-F07
- Star drive
- Secured manual override
- Modular position indicator
- Torque limiter with polyswitch
- Mechanical travel stops at 90°
- 3P + T DIN43650 + 1 ISO M20 connector

Technical data

- Torque output: 20-35-60-100 Nm
- Duty rating: 30% (IEC34)
- Temperature: -10°C to + 55°C
- Enclosure: IP 65
- Weight: 1 kg - 2.1kg

Options

- EHR: Anti condensation heater
- EPR...B(1): feedback potentiometer 100/1000/5000 or 10000 Ohms
- EPT.C: 0-20mA, 4-20mA or 0-10V transmitter
- EFC.2: 2 Extra limit switch card
- ECD.1A: 1 connector DIN43650
- ECM1: 1 connector M12 3P+T
- ECM.2: 2 connectors M12 3P+T

Warranty

- 3 years or 50.000 actuations



ER10-20-35



ER60-100

Code	Star/ISO	Torque	Voltage	Power	90° traveltime
ER20.X0A.M00**	14/F03-F04-F05	20Nm	100V tot 240V 50/60Hz (100V tot 350V DC)	15W	13s
ER20.X03.M00**	14/F03-F04-F05	20Nm	24V 50/60Hz (24V DC)	15W	12s
ER35.90A.M00	22/F05-F07	35Nm	100V tot 240V 50/60Hz (100V tot 350V DC)	45W	8s
ER35.903.M00	22/F05-F07	35Nm	24V 50/60Hz (24V DC)	45W	7s
ER60.90A.M00	22/F05-F07	60Nm	100V tot 240V 50/60Hz (100V tot 350V DC)	45W	15s
ER60.903.M00	22/F05-F07	60Nm	24V 50/60Hz (24V DC)	45W	13s
ER100.90A.M00	22/F05-F07	100Nm	100V tot 240V 50/60Hz (100V tot 350V DC)	45W	25s
ER100.903.M00	22/F05-F07	100Nm	24V 50/60Hz (24V DC)	45W	22s
ER Faststop					
Code	Star/ISO	Torque	Voltage	Power	90° traveltime
ER10.X91.M00**	14/F03-F04-F05	10Nm	12V 50/60Hz (12V DC)	15W	4s
ER10.X93.M00**	14/F03-F04-F05	10Nm	24V 50/60Hz (24V DC)	15W	2s
ER20.X91.M00	14/F03-F04-F05	20Nm	12V 50/60Hz (12V DC)	15W	8s
ER20.X93.M00	14/F03-F04-F05	20Nm	24V 50/60Hz (24V DC)	15W	4s

**X= removable plate F03-F05 or F04

ER Plus Serie



Specifications

90° reversible multi-voltages electric actuators, PA6.6 housing UL94V0 secured manual override and compliant with the CE-ROHS-REACH standards. Torques 10-20-35-60 or 100 Nm. Operating times 6 to 119 seconds depending on type.



ER10-20-35

Standard equipment

- Multivoltage 100V to 240V 50/60Hz (100 to 350V DC) or 15 to 30V 50/60Hz (12 to 48V DC)
- On-Off or 3 modulating points control
- 4 adjustable 5A limit switches
- Removable plate ISO fixation ER20 =F03-F04-F05- ER35 to ER100 =F05-F07
- Star drive
- Secured manual override
- Modular position indicator
- Integrated anti-condensation heater
- Torque limiter monitored by software
- Motor failure feedback relay (normal duty, failure)
- Mechanical travel stops at 90°
- 3P + T DIN43650 connector + 1 ISO M20 (except GF3: 2 ISO M20)

Technical data

- Torque output: 20-35-60-100 Nm
- Duty rating: S4- 50% (IEC34)
- Temperature: -10°C to + 55°C
- Enclosure: IP 66
- Weight: 1 kg - 1.34 kg

Options

- EPR...B(1): feedback potentiometer 100/1000/5000 or 10000 Ohms
- EPT.C: 0-20mA, 4-20mA or 0-10V transmitter
- EFC.2: 2 Extra limit switch card
- ECD.1A: 1 connector DIN43650
- ECM1: 1 connector M12 3P-T
- ECM.2: 2 connectors M12 3P+T

Warranty

- 3 years or 50.000 actuations

ER Plus serie, Technical data

ER Plus standard

Code	Star/ISO	Torque	Voltages	Power	90° travel time loaded
ER10.X0A.G00**	14/F03-F04-F05	10Nm	100V to 240V 50/60Hz (100V to 350V DC)	15W	11s
ER10.X0B.G00**	14/F03-F04-F05	10Nm	15 to 30V 50/60Hz (12 to 48V DC)	15W	11s
ER20.X0A.G00**	14/F03-F04-F05	20Nm	100V to 240V 50/60Hz (100V to 350V DC)	15W	12s
ER20.X0B.G00**	14/F03-F04-F05	20Nm	15 to 30V 50/60Hz (12 to 48V DC)	15W	12s
ER35.X0A.G00**	14/F03-F04-F05	35Nm	100V to 240V 50/60Hz (100V to 350V DC)	15W	26s
ER35.X0B.G00**	14/F03-F04-F05	35Nm	15 to 30V 50/60Hz (12 to 48V DC)	15W	24s
ER35.90A.G00	22/F05-F07	35Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	7s
ER35.90B.G00	22/F05-F07	35Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	7s
ER60.90A.G00	22/F05-F07	60Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	12s
ER60.90B.G00	22/F05-F07	60Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	12s
ER100.90A.G00	22/F05-F07	100Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	23s
ER100.90B.G00	22/F05-F07	100Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	22s

**X= removable plate F03-F05 or F04

ER Plus long operating time

Code	Star/ISO	Torque	Voltages	Power	90° travel time loaded
ER35.93A.G00	22/F05-F07	35Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	40s
ER35.93B.G00	22/F05-F07	35Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	41s
ER60.93A.G00	22/F05-F07	60Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	79s
ER60.93B.G00	22/F05-F07	60Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	79s
ER100.93A.G00	22/F05-F07	100Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	119s
ER100.93B.G00	22/F05-F07	100Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	119s

ER Plus serie BBPR

Specifications

Fail-SAFE 90° reversible multi-voltages electric actuators with integrated Failsafe security unit with an battery pack which ensures return to initial position in case of power failure.

Standard equipment

- Multivoltage 100V to 240V 50/60Hz (100 to 350V DC) or 14 to 30V 50/60Hz (24 to 48V DC)
- On-Off, Blue-tooth control and adjustment through App.
- All in one, no extra cables needed
- Battery active 24/24.
- Power disconnects after 2 minutes to secure battery running down.
- 2 initial positions normally closed and normally open.

Technical data

- Torque output: 10-20-35-60-100 Nm
- Duty rating: S4- 50% (IEC34)
- Temperature: -10°C to + 40°C
- Enclosure: IP 66

Warranty

- 3 years or 50.000 actuations



ER60-100



ER Plus BBPR serie, Technical data

Code	Star/ISO	Torque	Voltages	Power	90° travel time loaded
ER10.X0A.GS6**	14/F03-F04-F05	10Nm	100V to 240V 50/60Hz (100V to 350V DC)	15W	11s
ER10.X0B.GS6**	14/F03-F04-F05	10Nm	24 to 30V 50/60Hz (24 to 48V DC)	15W	11s
ER20.X0A.GS6**	14/F03-F04-F05	20Nm	100V to 240V 50/60Hz (100V to 350V DC)	15W	12s
ER20.X0B.GS6**	14/F03-F04-F05	20Nm	24 to 30V 50/60Hz (24 to 48V DC)	15W	12s
ER35.90A.GS6	22/F05-F07	35Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	7s
ER35.90B.GS6	22/F05-F07	35Nm	24 to 30V 50/60Hz (24 to 48V DC)	45W	7s
ER60.90A.GS6	22/F05-F07	60Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	12s
ER60.90B.GS6	22/F05-F07	60Nm	24 to 30V 50/60Hz (24 to 48V DC)	45W	12s
ER100.90A.GS6	22/F05-F07	100Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	23s
ER100.90B.GS6	22/F05-F07	100Nm	24 to 30V 50/60Hz (24 to 48V DC)	45W	22s

**X= removable plate F03-F05 or F04

ER Plus BBPR long operating time

Code	Star/ISO	Torque	Voltages	Power	90° travel time loaded
ER35.93A.GS2	22/F05-F07	35Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	40s
ER35.93B.GS2	22/F05-F07	35Nm	24 to 30V 50/60Hz (24 to 48V DC)	45W	41s
ER60.93A.GS2	22/F05-F07	60Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	79s
ER60.93B.GS2	22/F05-F07	60Nm	24 to 30V 50/60Hz (24 to 48V DC)	45W	79s
ER100.93A.GS2	22/F05-F07	100Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	119s
ER100.93B.GS2	22/F05-F07	100Nm	24 to 30V 50/60Hz (24 to 48V DC)	45W	119s

ER Serie Plus POSI

Specifications

90° reversible multi-voltages electric actuators with integrated positioner card. With a signal from 0-20 mA, 4-20 mA or 0-10V it is possible to control the valve. This can be used for applications as; dosing, modulating, flow control, mixing, filling (increases the accuracy in the last stage)



ER Serie Plus POSI



Specifications

PA6.6 housing UL94V0 secured manual override and compliant with the CE-ROHS-REACH standards. Torques: 20-35-60 or 100 Nm. Operating times 16 to 110 seconds depending on type.

Standard equipment

- Microprocessor base
- Secured proces (memorization loops)
- Self configurable
- Multivoltage 100V to 240V 50/60Hz (100 to 350V DC) or 15-30V 50/60Hz (12 to 48V DC)
- Integrated anti-condensation heater
- Torque limiter monitored by software
- Motor failure feedback relay (normal duty, failure)
- Training mode
- 3P + T DIN43650 + 1 ISO M20 connection
- Preset from factory



ER20-35

Warranty

- 3 years or 50.000 actuations

- Temperature: -10°C to + 55°C

Options

- 180° or 270° rotation on request.

ER Plus POSI serie, Technical data

Code	Star/ISO	Torque	Voltages	Power	90° travel
					time loaded
ER20.X3A.GP6**	14/F03-F04-F05	20Nm	100V to 240V 50/60Hz (100V to 350V DC)	15W	25s
ER20.X3B.GP6**	14/F03-F04-F05	20Nm	15 to 30V 50/60Hz (12 to 48V DC)	15W	25s
ER35.93A.GP6	22/F05-F07	35Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	40s
ER35.93B.GP6	22/F05-F07	35Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	41s
ER60.93A.GP6	22/F05-F07	60Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	79s
ER60.93B.GP6	22/F05-F07	60Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	79s
ER100.93A.GP6	22/F05-F07	100Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	119s
ER100.93B.GP6	22/F05-F07	100Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	119s

**X= removable plate F03-F05 or F04

ER Serie Plus GF3



Specifications

Up to 180° reversible multi-voltages electric actuator with integrated third position card allowing a intermediate position which makes it possible to control the valve in three different positions. This can be used for 3-way valves to maintain different positions or to have an intermediate position so there will be a partial opening before closure.

ER Plus GF3 serie, Technical data

Code	Star/ISO	Torque	Voltages	Power	90° travel time
					loaded
ER10.X0A.GF3**	14/F03-F04-F05	10Nm	100V to 240V 50/60Hz (100V to 350V DC)	15W	11s
ER10.X0B.GF3**	14/F03-F04-F05	10Nm	15 to 30V 50/60Hz (12 to 48V DC)	15W	11s
ER20.X0A.GF3**	14/F03-F04-F05	20Nm	100V to 240V 50/60Hz (100V to 350V DC)	15W	12s
ER20.X0B.GF3**	14/F03-F04-F05	20Nm	15 to 30V 50/60Hz (12 to 48V DC)	15W	12s
ER35.X0A.GF3**	14/F03-F04-F05	35Nm	100V to 240V 50/60Hz (100V to 350V DC)	15W	26s
ER35.X0B.GF3**	14/F03-F04-F05	35Nm	15 to 30V 50/60Hz (12 to 48V DC)	15W	24s
ER35.90A.GF3	22/F05-F07	35Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	7s
ER35.90B.GF3	22/F05-F07	35Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	7s
ER60.90A.GF3	22/F05-F07	60Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	12s
ER60.90B.GF3	22/F05-F07	60Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	12s
ER100.90A.GF3	22/F05-F07	100Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	23s
ER100.90B.GF3	22/F05-F07	100Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	22s

**X= removable plate F03-F05 or F04

ER Plus GF3 Serie long operating time, Technical data

Code	Star/ISO	Torque	Voltages	Power	90° travel time
					loaded
ER35.93A.GF3	22/F05-F07	35Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	40s
ER35.93B.GF3	22/F05-F07	35Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	41s
ER60.93A.GF3	22/F05-F07	60Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	79s
ER60.93B.GF3	22/F05-F07	60Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	79s
ER100.93A.GF3	22/F05-F07	100Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	119s
ER100.93B.GF3	22/F05-F07	100Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	119s

Options:	
Code	Description
EPR...B ⁽¹⁾	control signal by potentiometer in 100/ 1000/ 5000 or 1000 Ohms
EPTC ⁽²⁾	control signal 0-20 mA, 4-20mA or 0-10V
EFC.2	2 extra endswitches card
LC	Local control unit
Bluetooth	Axmart Bluetooth control option
VIB	for applications with vibrations
HUMPRO	Circuitboard extra coating
MODBUS	MODBUS-RTU communication
P8	Positioner solution with 4-20 mA or 0-10 Volt analog signal and Bluetooth by Axmart en Modbus-RTU digital control

(1) Choose version

(2) Only possible with running time higher then 10 seconds

Connections electric:	
Code	Description
ECD.1A	3P+T DIN 43 650 connector
ECM.4 ⁽¹⁾	4P M12 supply connector
ECM.8 ⁽²⁾	8P M12 supply connector
NPT.1	1 Adapter ISO M20 to 1/2" NPT
NPT.2	2 Adapters ISO M20 to 1/2" NPT
ECD.NPT	1/2" NPT entrance supply connector
ECD.1A.NPT	1/2" NPT entrance control signal connector
2PE	Set off 2 Cable connectors

(1) 24V 50/60 Hz and 24V DC maximum

(2) 24V 1,5A maximum

VR-VS-VT Serie



Specifications

90° electric actuator (180° or 270° on request), aluminium body, UL94V0 plastic cover with manual override by outgoing axle or hand wheel. For a torque of 25 to 1000Nm and compliant with the CE-ROHS-REACH standards.

Standard equipment

- VR-VS: Multi voltage actuator
- 100 to 240V AC 50/60Hz (100 to 350V DC) or 15 to 30V AC 50/60Hz (12 to -48V DC) or 400V tri
- VT: 230V-AC or 400V tri
- 4 adjustable limit switches 5A (VT = 16A)
- ISO connection F05/F07, F07/F10 or F10/F12
- Removable star drive
- Manual override
- Torque limiter monitored by software
- Motor failure feedback relay (normal duty, failure) (except VT and 400V)
- RS485 connection (except VT and 400V)
- Visual position indicator
- Regulated heating resistor 10W (except VT and 400V tri)
- Electr. conn.: 2x ISO M20 IP68

Versions

- GF3 Version 3 modulating points control (except VT and 400V) or On-Off
- 90° standard version
- 180° or 270° versie (on request)
- 0-10V or 4-20mA positioner version

Technical data

Duty rating: 50% - 80% (on request) (CEI34)
Temperature: -10° C up to +55° C except EBS24 + 40°C
Enclosure: IP68 2m/72h Plastic Cover
IP68 5m/72h Aluminium Cover
Weight: VR = 3.4 up to 4.8 Kg.
VS = 5,6 up to 7 Kg
VT600-1000 24 Kg
VT1500-2400 54kg

Warranty

- 3 years or 50.000 actuations



VR25-45-75



VS100-150-300



VT600-1000



VT1500-2400

VR-VS-VT Serie

VR-VS Standard, Technical data

Code	Star / ISO *	Torque	Voltages	Power	90° travel time
VR25.70A.G00	17 F05/F07	25Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	7s
VR25.70B.G00	17 F05/F07	25Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	7s
VR45.70A.G00	17 F05/F07	45Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15s
VR45.70B.G00	17 F05/F07	45Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	15s
VR75.70A.G00	17 F05/F07	75Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	20s
VR75.70B.G00	17 F05/F07	75Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	20s
VS100.90A.G00	22 F07/F10	100Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15s
VS100.90B.G00	22 F07/F10	100Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	15s
VS150.90A.G00	22 F07/F10	150Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	30s
VS150.90B.G00	22 F07/F10	150Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	30s
VS300.90A.G00	22 F07/F10	300Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	60s
VS300.90B.G00	22 F07/F10	300Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	60s

VR-VS 400V Tri, Technical data

Code	Star / ISO *	Torque	Voltages	Power	90° travel time
VR25.709.R00	17 F05/F07	25Nm	400V TRI 50/60Hz	20W	10s
VR45.709.R00	17 F05/F07	45Nm	400V TRI 50/60Hz	52W	10s
VR75.709.R00	17 F05/F07	75Nm	400V TRI 50/60Hz	52W	15s
VS100.909.R00	22 F07/F10	100Nm	400V TRI 50/60Hz	135W	10s
VS150.909.R00	22 F07/F10	150Nm	400V TRI 50/60Hz	135W	20s
VS300.909.R00	22 F07/F10	300Nm	400V TRI 50/60Hz	135W	35s

VT Standard, Technical data

Code	Star / ISO *	Torque	Voltages	Power	90° travel time
VT600.A09.R00	36 F10/F12	600Nm	400V TRI 50Hz	250W	38s
VT1000.A09.R00	36 F10/F12	1000Nm	400V TRI 50Hz	250W	38s
VT1500.B09.R00	46 F14	1500Nm	400V TRI 50Hz	250W	113s
VT1500.C09.R00	46 F12/F16	1500Nm	400V TRI 50Hz	250W	113
VT2400.B09.R00	46 F14	2400Nm	400V TRI 50Hz	250W	113s
VT2400.C098.G00	46 F12/F16	2400NM	400V TRI 50Hz	250W	113s

Options:	
Code	Description
ECM.1	Connection M12 3P+T (except VT and 400V)
ECM.2	2 Connections M12 3P+T (except VT and 400V)
ECA	Aluminium cover (Weight + 0.9kg)
EPR...B	control signal potentiometer 0.1K 1K 5K or 10K
EPTC	control signal 0-20 mA, 4-20mA or 0-10V
EFC.2	2 extra Endswitches module
M	Marine Coating NF EN SO 12-944-1
P8	Bluetooth
VIB	Vibration version
LC	Local controle unit
HUMPRO	Circuitboard coated
MODBUS	MODBUS-RTU communication
ECM.4	4P M12 connector power
ECM.8	8P M12 Connector feedback
NPT2	Adapters M20 to 1/2" NPT
MULTI	Multipin connector (400V on request)

possibilities options				
version	option 1	option 2	option 3	0° to 90°/180°/270° movement
	ECA	EPR.B or EPT.C or EFC.2	ECM.1 or ECM.2	
V Standard	X	X	X	X
V Failsafe	X	X	X	X
V POSI	X		X	X
V GF3	X			X
V ATEX	Standard	X		X
V CSA	Standard			X

VR-VS-VT Serie BBPR



Specifications

90° reversible electric actuators 90° with integrated Failsafe security unit with an battery pack which ensures return to initial position in case of power failure. Aluminium housing, UL94V0 plastic cover with manual override by outgoing axle or hand wheel.

For a torque of 25 to 300Nm and compliant with the CE-ROHS-REACH standards.

Standard equipment

- VR-VS: Multi voltage actuator
- 100 to 240V AC 50/60Hz (100 to 350V DC) or 24 to 30V AC 50/60Hz (24 to 48V DC)
- 4 adjustable 5A limit switches
- ISO connection F05/F07 or F07/F10
- Removable star drive
- Manual override
- Torque limiter monitored by software
- Motor failure feedback relay (normal duty, failure)
- Visual position indicator
- Regulated heating resistor
- All in one, no additional wiring required
- Battery gauge actif 24H/24H
- Power shut off after 2 minuts to avoid battery discharging
- 2 initial position settings normally open or normally closed
- Electr. connect.: 2x ISO M20 IP68

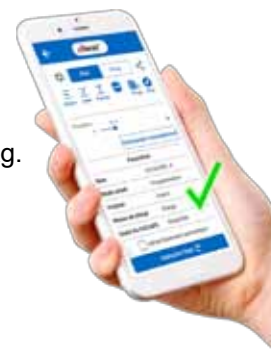


VS100-150-300



Technical data

Duty rating: 50% - (CEI34)
 Temperature: -10° C to +40° C
 Enclosure: IP68
 Weight: VR = 3.4 to 4.8 Kg.
 VS = 5,6 to 7 Kg



Warranty

- 3 years or 50.000 actuations

VR-VS BBPR, Technical data

Code	Star / ISO *	Torque	Voltages	Power	90° travel time
VR25.70A.GS6	17 F05/F07	25Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	7s
VR25.70B.GS6	17 F05/F07	25Nm	24 to 30V 50/60Hz (24 to 48V DC)	45W	7s
VR45.70A.GS6	17 F05/F07	45Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15s
VR45.70B.GS6	17 F05/F07	45Nm	24 to 30V 50/60Hz (24 to 48V DC)	45W	15s
VR75.70A.GS6	17 F05/F07	75Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	20s
VR75.70B.GS6	17 F05/F07	75Nm	24 to 30V 50/60Hz (24 to 48V DC)	45W	20s
VS100.90A.GS6	22 F07/F10	100Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15s
VS100.90B.GS6	22 F07/F10	100Nm	24 to 30V 50/60Hz (24 to 48V DC)	45W	15s
VS150.90A.GS6	22 F07/F10	150Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	30s
VS150.90B.GS6	22 F07/F10	150Nm	24 to 30V 50/60Hz (24 to 48V DC)	45W	30s
VS300.90A.GS6	22 F07/F10	300Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	60s
VS300.90B.GS6	22 F07/F10	300Nm	24 to 30V 50/60Hz (24 to 48V DC)	45W	60s

VR-VS-VT Serie POSI



Specifications

90° (180° or 270° on request) reversible electric actuator with integrated positioner card. With a signal from 0-20 mA, 4-20 mA or 0-10V it is possible to control the valve. This can be used for applications as; dosing, modulating, flow control, mixing, filling (increases the accuracy in the last stage). Aluminium housing, UL94V0 plastic cover with manual override by outgoing axle or hand wheel.

For a torque of 25 to 300Nm and compliant with the CE-ROHS-REACH standards.



VR25-45-75

Standard equipment

- Microprocessor base
- Secured proces (memorization loops)
- VR-VS: Multi voltage actuators
- 100 to 240V AC 50/60Hz (100 to 350V DC) or 15 to 30V AC 50/60Hz (12 to 48V DC)
- 4 adjustable 5A limit switches
- ISO connection F05/F07, F07/F10 or F10/F12
- Removable star drive
- Manual override
- Electronic Torque limiter
- Motor failure feedback relay (normal duty, failure)
- Visual position indicator
- Regulated heating resistor
- Training mode
- Self configurable
- Preset from factory
- Electr. conn.: 2x ISO M20

Technical data

Duty rating: 50% (CEI34)
Temperature: -10° C to +55° C
Enclosure: IP68
Weight: VR = 3.4 to 4.8 Kg.
VS = 5,6 to 7 Kg

Warranty

- 3 years or 50.000 actuations

VR-VS POSI, Technical data

Code	Star / ISO *	Torque	Voltages	Power	90° travel time
VR25.70A.GP5	17 F05/F07	25Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15s
VR25.70B.GP5	17 F05/F07	25Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	15s
VR45.70A.GP5	17 F05/F07	45Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15s
VR45.70B.GP5	17 F05/F07	45Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	15s
VR75.70A.GP5	17 F05/F07	75Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	20s
VR75.70B.GP5	17 F05/F07	75Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	20s
VS100.90A.GP5	22 F07/F10	100Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15s
VS100.90B.GP5	22 F07/F10	100Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	15s
VS150.90A.GP5	22 F07/F10	150Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	30s
VS150.90B.GP5	22 F07/F10	150Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	30s
VS300.90A.GP5	22 F07/F10	300Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	60s
VS300.90B.GP5	22 F07/F10	300Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	60s

VR-VS-VT Serie GF3



Specifications

180° (270° on request) reversible electric actuator with integrated third position card allowing a intermediate position which makes it possible to control the valve in three different positions. This can be used for 3-way valves to maintain different positions or to have an intermediate position so there will be a partial opening before closure. Aluminium housing, UL94V0 plastic cover with manual override by outgoing axle or hand wheel. For a torque of 25 to 300Nm and compliant with the CE-ROHS-REACH standards.



VS100-150-300

Standard equipment

- Quick and easy setup
- VR-VS: Multi voltage actuator
- 100 to 240V AC 50/60Hz (100 to 350V DC) or 15 to 30V AC 50/60Hz (12 to 48V DC)
- 7 adjustable 5A limit switches
- ISO connection F05/F07 or F07/F10
- Removable star drive
- Manual override
- Electronic Torque limiter
- Motor failure feedback relay (normal duty, failure)
- Visual position indicator
- Regulated heating resistor
- Preset from factory
- Connection 2 pieces ISO M20

Technical data

- Torque output: 25-45-75-100-150-300 Nm
- Duty rating: S4- 50% (IEC34)
- Temperature: -10°C to + 55°C
- Enclosure: IP 67

Warranty

- 3 years or 50.000 actuations

Options

270° rotation on request.

VR-VS GF3, Technical data

Code	Star / ISO *	Torque	Voltages	Power	90° travel time
VR25.70A.GF3	17 F05/F07	25Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	7s
VR25.70B.GF3	17 F05/F07	25Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	7s
VR45.70A.GF3	17 F05/F07	45Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15s
VR45.70B.GF3	17 F05/F07	45Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	15s
VR75.70A.GF3	17 F05/F07	75Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	20s
VR75.70B.GF3	17 F05/F07	75Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	20s
VS100.90A.GF3	22 F07/F10	100Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15s
VS100.90B.GF3	22 F07/F10	100Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	15s
VS150.90A.GF3	22 F07/F10	150Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	30s
VS150.90B.GF3	22 F07/F10	150Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	30s
VS300.90A.GF3	22 F07/F10	300Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	60s
VS300.90B.GF3	22 F07/F10	300Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	60s

VT Plus serie



Specifications

90° electric actuator, aluminium enclosure with C4 class coating, with manual override by handwheel. Standard with AXMART® Bluetooth® functionality. For torques from 400 up to 2400Nm.

Standard version

- VT Plus: Multivolt actuator 100-240V AC 50/60Hz (100-300V DC) or 24-48V AC 50/60Hz (24-72V DC)
- 3 point modulating, on-off and pulse control
- 4 adjustable limit switches 5A, 2 unused
- ISO5211 connection F10/F12 or F12/F14/F16
- Star drive nut
- Manual override by handwheel
- Electronic torque limiter
- Motor failure feedback relay (normale duty, failure)
- Mechanical travel stops at 0° and 90°
- RS485 connection
- Visual position indication
- Anticondensation heater
- Single Multipin connector



VT400-1000



Versions

- 90° standard version, 180° and 270° on request

Technical data

Duty cycle: S4 50% (CEI34)
 Temperature: -20° C to +70° C, BBPR -10° C to +40° C
 Enclosure: IP68 5 m / 72 hour
 Weight: VT400-1000 25 Kg.
 VT1500-2400 54 Kg.

Options

- BBPR Failsafe version with battery pack
- Posi version with controlcard 4-20 mA or 0-10VDC
- GF3 version with 3 positionscard
- GPS Posi + BBPR version
- GFS GF3 + BBPR version
- MODBUS-RTU® industrial fieldbus communication



VT1500-2400

Garantie

- 3 years or 50.000 actuations

Standard version					
Code	Star / ISO *	Torque	Tensions	Power	90° operating time
VT400.A0A.G00	36 F10/F12	400Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	33s
VT400.A0B.G00	36 F10/F12	400Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	33s
VT600.A0A.G00	36 F10/F12	600Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	42s
VT600.A0B.G00	36 F10/F12	600Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	42s
VT1000.A0A.G00	36 F10/F12	1000Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	65s
VT1000.A0B.G00	36 F10/F12	1000Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	65s

VT1500.B0A.G00	46 F14	1500Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	155s
VT1500.B0B.G00	46 F14	1500Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	155s
VT1500.C0A.G00	46 F12/F16	1500Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	155s
VT1500.C0B.G00	46 F12/F16	1500Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	155s
VT2400.B0A.G00	46 F14	2400Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	210s
VT2400.B0B.G00	46 F14	2400Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	210s
VT2400.C0A.G00	46 F12/F16	2400Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	210s
VT2400.C0B.G00	46 F12/F16	2400Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	210s

BBPR version Fail safe

Code	Star / ISO *	Torque	Voltages	Power	90° traveltime
VT400.A0A.GS6	36 F10/F12	400Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	33s
VT400.A0B.GS6	36 F10/F12	400Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	33s
VT600.A0A.GS6	36 F10/F12	600Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	42s
VT600.A0B.GS6	36 F10/F12	600Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	42s
VT1000.A0A.GS6	36 F10/F12	1000Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	65s
VT1000.A0B.GS6	36 F10/F12	1000Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	65s
VT1500.B0A.GS6	46 F14	1500Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	155s
VT1500.B0B.GS6	46 F14	1500Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	155s
VT1500.C0A.GS6	46 F12/F16	1500Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	155s
VT1500.C0B.GS6	46 F12/F16	1500Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	155s
VT2400.B0A.GS6	46 F14	2400Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	210s
VT2400.B0B.GS6	46 F14	2400Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	210s
VT2400.C0A.GS6	46 F12/F16	2400Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	210s
VT2400.C0B.GS6	46 F12/F16	2400Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	210s

Posi version 4-20 mA or 0-10 Volt

Code	Star / ISO *	Torque	Voltages	Power	90° traveltime
VT400.A0A.GP7	36 F10/F12	400Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	33s
VT400.A0B.GP7	36 F10/F12	400Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	33s
VT600.A0A.GP7	36 F10/F12	600Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	42s
VT600.A0B.GP7	36 F10/F12	600Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	42s
VT1000.A0A.GP7	36 F10/F12	1000Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	65s
VT1000.A0B.GP7	36 F10/F12	1000Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	65s
VT1500.B0A.GP7	46 F14	1500Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	155s
VT1500.B0B.GP7	46 F14	1500Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	155s
VT1500.C0A.GP7	46 F12/F16	1500Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	155s
VT1500.C0B.GP7	46 F12/F16	1500Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	155s
VT2400.B0A.GP7	46 F14	2400Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	210s
VT2400.B0B.GP7	46 F14	2400Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	210s
VT2400.C0A.GP7	46 F12/F16	2400Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	210s
VT2400.C0B.GP7	46 F12/F16	2400Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	210s

GF3 version 3 positions					
Code	Star / ISO *	Torque	Voltages	Power	90° traveltime
VT400.A0A.GF3	36 F10/F12	400Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	33s
VT400.A0B.GF3	36 F10/F12	400Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	33s
VT600.A0A.GF3	36 F10/F12	600Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	42s
VT600.A0B.GF3	36 F10/F12	600Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	42s
VT1000.A0A.GF3	36 F10/F12	1000Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	65s
VT1000.A0B.GF3	36 F10/F12	1000Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	65s
VT1500.B0A.GF3	46 F14	1500Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	155s
VT1500.B0B.GF3	46 F14	1500Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	155s
VT1500.C0A.GF3	46 F12/F16	1500Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	155s
VT1500.C0B.GF3	46 F12/F16	1500Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	155s
VT2400.B0A.GF3	46 F14	2400Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	210s
VT2400.B0B.GF3	46 F14	2400Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	210s
VT2400.C0A.GF3	46 F12/F16	2400Nm	100V to 240V 50/60 Hz (100V to 300V DC)	300W	210s
VT2400.C0B.GF3	46 F12/F16	2400Nm	24V to 48V 50/60Hz (24V to 72V DC)	300W	210s

Options	
Marine	Marine coating
Vib	For use with vibrations in the assembly
Modbus	MODBU-RTU® communication
LC	Local control unit F10/F12 (IP66) for local control
Other versions	
GPS	Posi version with BBPR function, fail safe
GFS	GF3 version 3 positions with BBPR function, fail safe

VRX-VSX-VTX Serie ATEX



Specifications

ATEX-II 2 GD Ex d IIB T6 - tD A21 IP67 T80°
LCIE 06 ATEX 6006X

90° reversible electric actuator, aluminium housing, aluminium cover with manual override by outgoing axle or hand wheel.
 For a torque of 25 to 1000Nm.

Standard equipment

- VRX-VSX: Multi voltage actuator 100 to 240V AC 50/60Hz (100 to 350V DC) or 15 to 30V AC 50/60Hz (12 to 48V DC) or 400V Tri
- Version 3 modulating points control (except VT and 400V) or On-Off
- 4 adjustable 5A limit switches
- ISO connection F05/F07, F07/F10 or F10/F12
- Removable star drive
- Manual override
- Torque limiter monitored by software (except 400V)
- Motor failure feedback relay (normal duty, failure) (except 400V)
- Mechanical travel limitation (adjustable with VSX)
- RS485 connection (except 400V)
- Visual position indicator
- Regulated heating resistor 10W
- Electr. conn.: 2x M20 IP68

Versions

- 90° standard version
- 180° or 270° version (on request)
- BBPR Failsafe with battery
- Posi 4-20 mA or 10 V DC control signal
- 3 Positions version
- GPS Posi with BBPR
- GFS 3 positions with BBPR
- MODBUS-RTU® industrial fieldbus
- Bluetooth® communication

Technical data

Duty rating: 50% (CEI34) (80% on request)
 Temperature: -20° C up to +70° C, Failsafe -10° C up to +40° C
 Enclosure: IP68
 Weight: VRX = 4 up to 4,4 Kg.
 VSX = 6 up to 6,4 Kg.
 VTX 600-1000 24 kg.

Warranty

- 3 years or 50.000 actuations



VRX25-45-75



VSX100-150-300



VTX600-1000-1500-2400

Serie	ATEX Marking				Ta	
	Zone	Gas	Stof			
VRX/VSX G00, GP5, GF3	II 2 GD	EX d IIB T6 Gb	EX tb IIIC T80°C Db	LCIE 06 ATEX 6006X	-20°C to 70°C	
VRX/VSX GS6, GPS, GFS	II 2 GD	EX d IIB T6 Gb	EX tb IIIC T80°C Db		IECEX LCIE 21.0015X	-10°C to 40°C
VRX/VSX 400V	II 2 GD	EX d IIB T5 Gb	EX tb IIIC T95°C Db			-20°C to 54°C
VTX	II 2 GD	EX d IIB T5 Gb	EX tb IIIC T90°C Db		IECEX LCIE 15.0074X	-20°C to 63°C

VRX-VSX-VTX Serie ATEX

VRX-VSX ATEX Multivolt, Technical data

Code	Star / ISO *	Torque	Voltages	Power	90° travel time
VRX25.70A.G00	17 F05/F07	25Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	7s
VRX25.70B.G00	17 F05/F07	25Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	7s
VRX45.70A.G00	17 F05/F07	45Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15s
VRX45.70B.G00	17 F05/F07	45Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	15s
VRX75.70A.G00	17 F05/F07	75Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	20s
VRX75.70B.G00	17 F05/F07	75Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	20s
VSX100.90A.G00	22 F07/F10	100Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15s
VSX100.90B.G00	22 F07/F10	100Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	15s
VSX150.90A.G00	22 F07/F10	150Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	30s
VSX150.90B.G00	22 F07/F10	150Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	30s
VSX300.90A.G00	22 F07/F10	300Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	50s
VSX300.90B.G00	22 F07/F10	300Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	50s
VTX600.A08.G00	36 F10/F12	600Nm	230V AC 50/60Hz	250W	38s
VTX1000.A08.G00	36 F10/F12	1000Nm	230V AC 50/60Hz	250W	38s

VRX-VSX ATEX 400V Tri, Technical data

Code	Star / ISO *	Torque	Voltages	Power	90° travel time
VRX25.709.R00	17 F05/F07	25Nm	400V TRI 50Hz	20W	10s
VRX45.709.R00	17 F05/F07	45Nm	400V TRI 50Hz	52W	10s
VRX75.709.R00	17 F05/F07	75Nm	400V TRI 50Hz	52W	15s
VSX100.909.R00	22 F07/F10	100Nm	400V TRI 50Hz	135W	10s
VSX150.909.R00	22 F07/F10	150Nm	400V TRI 50Hz	135W	20s
VSX300.909.R00	22 F07/F10	300Nm	400V TRI 50Hz	135W	35s
VTX600.A09.R00	36 F10/F12	600Nm	400V TRI 50Hz	250W	38s
VTX1000.A09.R00	36 F10/F12	1000Nm	400V TRI 50Hz	250W	113s

VRX-VSX ATEX multivolt failsafe, Technical data

Code	Star / ISO *	Torque	Voltages	Power	90° travel time
VRX25.70A.GS6	17 F05/F07	25Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	7s
VRX25.70B.GS6	17 F05/F07	25Nm	24 to 30V 50/60Hz (24 to 48V DC)	45W	7s
VRX45.70A.GS6	17 F05/F07	45Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15s
VRX45.70B.GS6	17 F05/F07	45Nm	24 to 30V 50/60Hz (24 to 48V DC)	45W	15s
VRX75.70A.GS6	17 F05/F07	75Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	20s
VRX75.70B.GS6	17 F05/F07	75Nm	24 to 30V 50/60Hz (24 to 48V DC)	45W	20s
VSX100.90A.GS6	22 F07/F10	100Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15s
VSX100.90B.GS6	22 F07/F10	100Nm	24 to 30V 50/60Hz (24 to 48V DC)	45W	15s
VSX150.90A.GS6	22 F07/F10	150Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	30s
VSX150.90B.GS6	22 F07/F10	150Nm	24 to 30V 50/60Hz (24 to 48V DC)	45W	30s
VSX300.90A.GS6	22 F07/F10	300Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	60s
VSX300.90B.GS6	22 F07/F10	300Nm	24 to 30V 50/60Hz (24 to 48V DC)	45W	60s

VRX-VSX-VTX Serie ATEX

VRX-VSX ATEX POSI, Technical data

Code	Star / ISO *	Torque	Voltages	Power	90° travel time
VRX25.70A.GP5	17 F05/F07	25Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15s
VRX25.70B.GP5	17 F05/F07	25Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	15s
VRX45.70A.GP5	17 F05/F07	45Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15s
VRX45.70B.GP5	17 F05/F07	45Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	15s
VRX75.70A.GP5	17 F05/F07	75Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	20s
VRX75.70B.GP5	17 F05/F07	75Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	20s
VSX100.90A.GP5	22 F07/F10	100Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15s
VSX100.90B.GP5	22 F07/F10	100Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	15s
VSX150.90A.GP5	22 F07/F10	150Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	30s
VSX150.90B.GP5	22 F07/F10	150Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	30s
VSX300.90A.GP5	22 F07/F10	300Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	60s
VSX300.90B.GP5	22 F07/F10	300Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	60s

* operating time 4-20mA.

VRX-VSX ATEX GF3, Technical data

Code	Star / ISO *	Torque	Voltages	Power	90° travel time
VRX25.70A.GF3	17 F05/F07	25Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	7s
VRX25.70B.GF3	17 F05/F07	25Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	7s
VRX45.70A.GF3	17 F05/F07	45Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15s
VRX45.70B.GF3	17 F05/F07	45Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	15s
VRX75.70A.GF3	17 F05/F07	75Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	20s
VRX75.70B.GF3	17 F05/F07	75Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	20s
VSX100.90A.GF3	22 F07/F10	100Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15s
VSX100.90B.GF3	22 F07/F10	100Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	15s
VSX150.90A.GF3	22 F07/F10	150Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	30s
VSX150.90B.GF3	22 F07/F10	150Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	30s
VSX300.90A.GF3	22 F07/F10	300Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	60s
VSX300.90B.GF3	22 F07/F10	300Nm	15 to 30V 50/60Hz (12 to 48V DC)	45W	60s

OPTIONS

Code	Description
EPR...B(1)	Feedback potentiometer 100/1000/5000/10000 Ohms (1= choose version)
EPT.C	Feedback 0-20mA or 4-20mA or 0-10V
EFC.2	2 extra limit switches card
HUMPRO	Circuitboard coating
MODBUS	MODBUS-RTU® communication
VIB	For use with vibrations
Marine	Marine coating (VRX-VSX)
P8	Bluetooth® communication and MODBUS-RTU® digital control

Special versions and options:

Marine coating

This coating is the solution for corrosive atmospheres such as offshore duty. The compliance with ACQPA* concerns coatings in accordance with the NF EN ISO 12 944-1 "high durability" class. We provide a 15-year warranty for our coating.

VR-VS-VT- VT Plus-MT



AXMART®



Bluetooth® communication by Axmart® v3

Management and control interface for electric actuators from 10 up to 2400 Nm.

Advantages:

- Can be used in open field up to 15 meter.
- Also suitable for ATEX actuators in explosive environments.
- Free software for Android and IOS.

Optional on: ER plus, VR/VS, LT low temperature.

Standard with: VT Plus, MT multiturn, all BBPR, POSI-BBPR,

Modbus

Modbus-RTU®

Industrial communication protocol through a RS485 serial link for electric actuators from 10 up to 2400 Nm.

Advantages:

- Modbus-RTU approved by "Modbus organisation"
- RS485 Interface
- up to 31 electric actuators on one cable
- up to 247 electric actuators with repeaters
- can be integrated with every network through a gateway
- Removable termination resistor included
- BBPR, POSI (P8) and 3-positions suitable

ER Plus- VR/VS, VT Plus, MT Multiturn, LT Low temperature, VRX/VSX ATEX.

LT Special version for low temperature

90° electric actuator in aluminium with C4 class coating developed for low temperatures (-50°C up to +70°C). With emergency control. 25 to 300 Nm, IP68 5 meters during 72 hours.

VR-VS

