



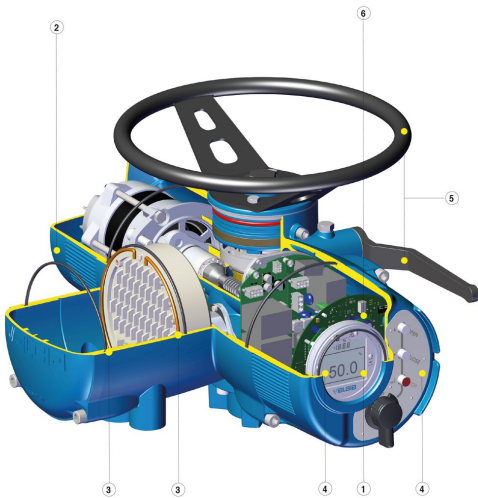
MT

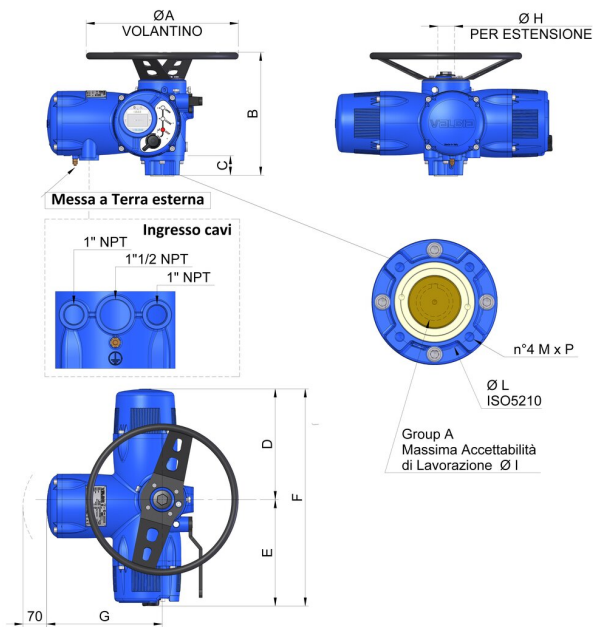
PATENTED

Valbia's MT serie intelligent actuator has been designed according to the latest technologies and with innovative solutions, included the patented Valbia system consisting of the AC-Brushless motor controlled by the inveter.

The wide speed range allows independent soft start and stop protecting the pipeline from potentially dangerous water hammer and safeguarding the valve mechanical structure.

Technical specifications





Ambient temperature: standard from -20°C up to +70°C (from -4°F to +158°F).

POSITION	PART NAME	MATERIAL	N.° PIECES
1	BACKLIT ALPHA-NUMERIC DISPLAY	Display LCD	1
2	ENCLOSURE	Alluminio pressofuso con rivestimento in resina epossidica - Die cast aluminium enclosure with epoxy resin	1
3	PROTECTION	NBR	6
4	LOCAL CONTROL	INOX + PA66	1
5	MANUAL OPERATION	Acciaio-steel	2
6	DATA LOGGER	PCB	1

Explosionproof enclosure ATEX and IECEx certified is also available.

Equipped with flanges, with and without thrust bearings, separable from the actuator body to facilitate assembly and maintenance.

MOD	MODEL	ØA	B	C	D	E	F	G	ØH	ØI	ØL	MXP
VB-0060MT	VB-0060MT	350	353	55	293	320	612	332	G 1"1/4	32	F10-Ø102	M10x20
VB-0120MT	VB-0120MT	450	364	58	328	315	643	341	G 1"1/2	40	F10-Ø102	10x20
VB-0250MT	VB-0250MT	680	441	74	364	325	689	357	G 2"1/2	58	F14-Ø140	M16x24
VB-0500MT	VB-0500MT	900	441	74	364	325	689	357	G 2"1/2	58	F14-Ø140	M16x24

*According to ISO 773 or UNI6604.

Mechanical performance

	VB-0030MT	VB-0060MT	VB-0120MT	VB-0250MT	VB-0500MT
Max torque (Nm)	32	63	125	250	500
Min torque (Nm)	13	25	50	100	200
Variable speed (rpm)	from 12 to 120	from 12 to 120	from 12 to 120	from 12 to 120	from 12 to 106
ISO base	F10	F10	F10	F14	F14
Max thrust (kN)	40	40	40	100	100
Max rising stem acceptance (mm)	32	32	40	58	58
Max keyed stem acceptance (mm)	24,5 ¹	24,5 ¹	30 ¹	48 ¹	48 ¹
Weight (Kg)	35	35	40	66	66

¹According to ISO 773 or UNI6604.

Electrical performance

Model	Max current [Amp]	Nominal current [Amp]	Motor nominal power [kW]
VB-0030MT	2,2	1,7	0,9
VB-0060MT	2,6	2,0	1,1
VB-0120MT	4,7	3,6	1,7
VB-0250MT	7,8	6	3,1
VB-0500MT	9,2	7,1	4,2

Applications



OIL & GAS



WATER
TREATMENT



CLEAN
ENERGY



ENERGY



INDUSTRIAL



DRINKING
WATER



PETROCHEMICAL