ELECTRO-MOTOR ACTUATED ZONE BALL VALVES SERIES EMV 110 502 in EMV 110 503



with standard built in relay (EMV 110..7930)

GENERAL

Electric motor driven ball valves, EMV 110 502 and 503 series, are used as closing elements for heating systems (solar, remote, house-heating), for hot blast heating, cooling systems, swimming pools, petrochemical industry, alternative heating sources and agricultural purposes.

With pride and joy we present to you our new generation of electric motor driven ball valves. They are constructed in compliance with most European standards and currently valid safety regulations. They are made of environmentally material.

Follow the instructions for use carefully and our many years experience in the production of electric motor drives will be a guarantee for a long life and reliable operation of the ball valve.



Advantages

- Compact version enables quick installation and electrical connection without opening drive.
- All models have built-in relay module which enables two wire control SPST.
- Simple disassembly of the drive with clip
- * Electric signal - L (live) when the valve is open and can control the pump.
- * Flow indicator on the cover of the actuator
- * Moderate velocity of ball rotation prevents hydraulic shocks in installation.
- Disassembly of installation is not required for the replacement of neck seals.
- Due to self cleaning effect the valve need not be disassembled (if solid particles enter the valve), because motor turn ball to opposite direction.





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Cx4-4010-EMV502-7930-170535-eng.cd

SERIES 502

ELECTRO-MOTOR ACTUATED ZONE BALL VALVE Ends: female/female

Electro-motor actuator EMV 110...7930 Rotation time: 30s/90° Power supply: 230V, 50 Hz Built in relay Drive protection class IP 44 Electrical protection: class II





	KV=m/h Δp=1							/n ∆p=1bar	
ТҮРЕ	DN	G	Α	В	С	D	Kv	Kg	CODE
EMV 110 502/7930-2	15	1/2"	126	108,5	17,5	63	17	0,86	10502
EMV 110 502/7930-3	20	3/4"	129	109,5	19,5	57	41	0,82	10503
EMV 110 502/7930-4	25	1"	137	113,5	23,5	68	68	0,98	10504

SERIES 503

ELECTRO-MOTOR ACTUATED ZONE BALL VALVE Ends: male/ female hose union

Electro-motor actuator EMV 110...7930 Rotation time: 30s/90° Power supply: 230V, 50 Hz Built in relay Drive protection class IP 44 Electrical protection: class II



* KV=m³/h ∆p=1bar

ТҮРЕ	DN	G	Α	В	С	D	Е	Kv	Kg	CODE
EMV 110 503/7930-2	15	1/2"	121	103,5	17,5	99	86	17	0,89	10512
EMV 110 503/7930-3	20	3/4"	124	104,5	19,5	90,5	77,5	41	0,87	10513
EMV 110 503/7930-4	25	1"	129	105,5	23,5	104	90	68	1,04	10514

SPECIFICATIONS Electric actuator

Power supply:

Micro-switch rating: Power consumption:

Electrical protection: Drive protection class: Rotation time: Ambient temperature: Humidity Max. operating torque: connection cord: Note:

Valve: Medium temperature: Max. operating pressure: Medium: 230V, 50/60Hz (EMV 110..7930) 24V, 50/60Hz (EMV 110..7933) 1(1) A, 250 V, 50 Hz 7VA by operation 3 VA by stand by class II according to EN-60335-1 IP 44 according to IEC 529 30s/90° 0°C to max. 55°C RH0% - 80% NON CONDESED 8 Nm 4 x 0.5 mm², length 0,3m The motorized ball valve is designed for operation by SPST ($_$, $_$) type of control.

5°C.. 110°C PN 16 water, nonagressive fluid



INSTALLATION

Warning Installation should be carried by a qualified person!

- Before the installation:Carefully read this manual. Unconsideration of manual could cause damage or wrong working of product.
- After installing check correct working. •





INSTALLING:

Before installing the valve into pipe system you can remove the actuator from the valve.



MANUAL OPENING / CLOSING



3. Turn it left or right



