ELECTRO-MOTOR ACTUATED ZONE BALL VALVES SERIES EMV 110 602 in EMV 110 603 with standard built in rolay

with standard built in relay (EMV 110..4230-CR, EMV 110..4233-CR)

GENERAL

Electric motor driven ball valves, EMV 110 602 and 603 series, are used as locking 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.

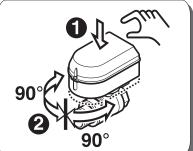




<u>Advantages</u>

- * Compact version enables quick installation and electrical connection without opening drive.
- * Clutch assembly enables manual opening / closing and unlocking of the valve if it locks during longer stand-stills.
- * All models have built-in relay module which enables two wire control SPST.
- * Simple disassembly of the drive with two screws only.
- * Electric signal L (live) when the valve is open and can control the pump.
- * Main flow indicator on the support of the valve: RED-OPEN.
- * Additional 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.

IR SI - 3330 Mozirje, Radegunda 54, http://www.first.si e-mail: info@first.si





***** +386 3 898 35 00

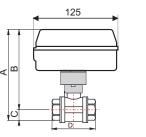
+386 3 898 35 35

SERIES 602

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

Electro-motor actuator

EMV 110...4230-CR (230VAC) EMV 110...4233-CR (24VAC) Rotation time 30s/90° Built in relay Drive protection class IP 44 Electrical protection: class II



78	

DESCRIPTION	DIMENSIONS	ORDER CODE	kg	G	DN	
Ball valve with electro-motor actuator EMV 1104230-CR	DN15	10102	0.90 1/2"		15	1
	DN 20	10103	0.83			
	DN 25	10104	1.04	3⁄4"	20	1
	DN 32	10105	1.24 1"		25	1

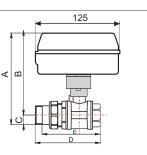
G	DN	А	В	С	D	Н	ΡN	ΚV	USA C V
1⁄2"	15	139	121.5	17.5	63	79	16	17	22
3⁄4"	20	144	124.5	19.5	57	85	16	41	50
1"	25	153	129.5	23.5	68	93	16	68	84
11⁄4"	32	163	134.5	28.5	81	103	16	123	153

78

SERIES 603

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

Electro-motor actuator EMV 110...4230-CR (230VAC) EMV 110...4233-CR (24VAC) Rotation time 30s/90° Built in relay Drive protection class IP 44 Electrical protection: class II



DESCRIPTION	DIMENSIONS	ORDER CODE	kg	G	DN	Α	В	С	D	Е	Н	PN	KV	USA C V
Ball valve with electro-motor actuator EMV 1104230-CR	DN 15	10112	0.93	1/2"	15	139	121.5	17.5	99	86	79	16	17	22
	DN 20	10113	0.88	3/4"	20	144	124.5	19.5	90.5	77.5	84	16	41	50
	DN 25	10114	1.10	1"	25	153	129.5	23.5	104	90	93	16	68	84
	DN 32	10115	1.42	1¼"	32	163	134.5	28.5	119.5	105.5	103	16	123	153

SPECIFICATIONS Electric actuator

Power supply:

Micro-switch rating: Power consumption:

Electrical protection:class IDrive protection class:IP 44 aRotation time:30s/90Ambient temperature:0°C toHumidityRH0%Operating temperature:0°C doMax. operating pressure:PN 16Max. operating torque:8 Nmconnection cord:4 x 0.5Note:000

230 V, 50/60 Hz (EMV 110..4230) 24V, 50Hz (EMV 110..4233) 5 (1) A, 250 V, 50 Hz 7,5 VA 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 0°C do 110°C PN 16 8 Nm 4 x 0.5 mm², length 2m

The motorized ball valve is designed for operation by SPST ($_$, \searrow

