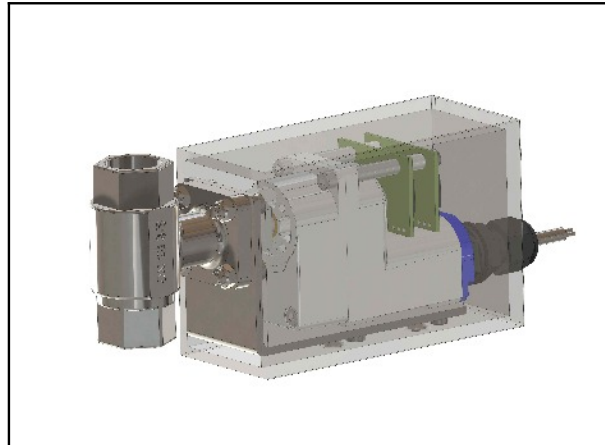


## MOTORIZED BALL VALVE 12-24 VDC



### ***Technical general data and ball valve body:***

*Sizes available: from 3/8" to 1" 1/2 (brass) – from 3/8" to 1" (stainless steel)*

*Dimension w x h x d ( valve body excluded): 50x144x80 mm*

*Material: brass – stainless steel (on request)*

*Working temperature: -20° to + 150 ° C for fluids*

*Working pressure (with actuator): see diagram*

*Fluid range: air,water,oil, petrochemical products,vacuum*

*Threaded ends as per UNI/ISO 7/1 Rp specifications*



**Actuator technical data:**

Nominal working: 90° (without mechanical stop)

Proportional control: by encoder hall effect 1 or 2 probes (upon request)

Nominal working torque: 22 Nm max.

Operation time (0°-90°): 2-3 seconds

Service: 50%

Applicable regulations. Low voltage directive 2006/95/CE

Enclosure: IP54

Working temperature: -20° + 80° C

Electric protection: PTC inside motor (thermal)

Limit open/close: with 2 inner electromechanical switches already set

Additional switches: with 2 inner electromechanical switches for feedback signal (clean contact) valve open/close

Supply voltage: 12-24 Vdc

Absorbed current (max.): 1 A (12V) - 2 A (24 V)

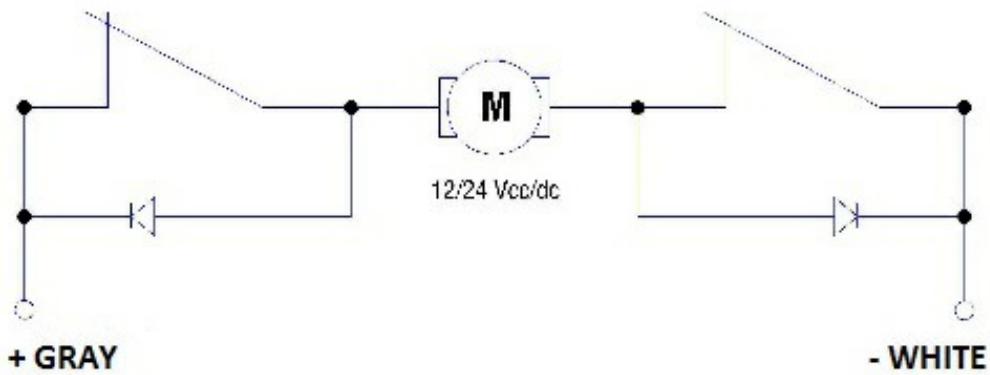
Connections: 6 wires (connector on request)

Connection for emergency manual lever

Size	DN10 -3/8"	DN15-1/2"	DN20-3/4"	DN25- 1"	DN32-1" 1/4	DN 40 1"1/2
PN 25 bar	-	-	-	-	-	-
PN 40 bar	-	-	-	-	14	19
PN 50 bar	-	-	7	10	-	-
PN 64 bar	4	5	-	-	-	-

*Torque are values are for valves used with clean, medium temperature liquid, and can vary depending on temperature and type of fluid.*

### WIRING HOOK UP DIAGRAM



#### Connections

Motor supply (12/24 Vcc/dc)

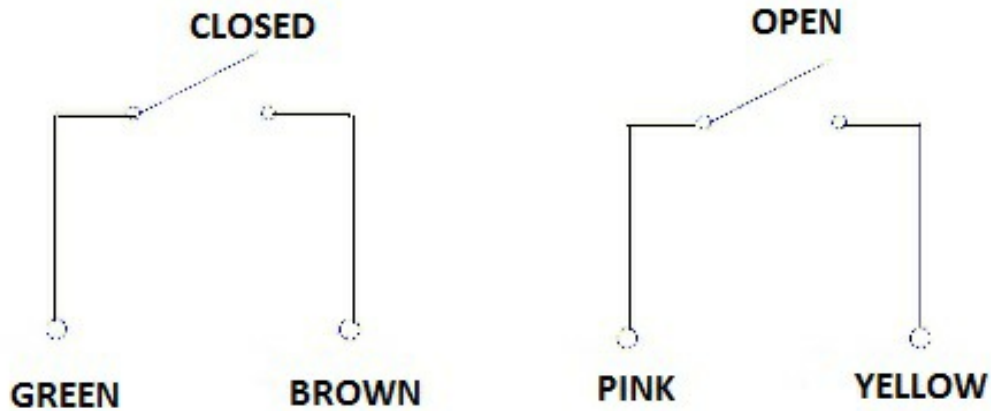
grey : + /motor

white: - motor

#### Integrated switches

*Switches for electric stop are inside of valve body .*

## OPTIONAL STATUS FEEDBACK MICROSWITCHES



*Upon request 2 additional switches for feedback signal (clean contact) open valve and closed Valve that are inside of valve body*

Feedback signals:

-additional switch for opening feedback signal ( clean contact) this is electric close when the valve is open

-additional switch for closing feedback signal ( clean contact) this is electric close when the valve is closed

Example :opening and closing valve for relay control, PLC,etc.