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NEW PRODUCT

MOTORIZED BALL VALVE

New range of high quality motorised ball valves; convenience and reliability!

Motorised ball valves are the ideal answer for seacocks in hard to reach places, or simply to increase convenience on board.

With this new line of motorised valves, VETUS introduces a unique product range. The combination of an aluminium casing, metal gears, stainless steel (AISI 316) ball valve, and the extremely high torque (up to 220 Nm!) results in a highly reliable product with numerous applications. Furthermore, the motor is ignition protected and certified to the ISO 8846 Marine standard, for use in the engine room without risk of explosion.
Under normal operating conditions, the actuator is lubricated for life, so maintenance is minimal.

The MV12 and MV24 in brief:

- Housing made of powder-coated aluminium
- IP67 (Dust & watertight, see Annex)
- Ball valve made of stainless steel (AISI 316)
- Metal transmission and gears
- High torque (reduced chance of jamming)
- Thermal overload protection
- Simple manual operation in case of power failure
- Low maintenance
- Also suitable for diesel fuel
- Available from G½ to G2

Now available:

Product code	Internal thread (G)	Voltage	Amperage (at max. torque)	Torque	Open/Close (seconds)	Dimensions including valve (mm)	Weight
MV12A1/2	1/2"	12 V	2.2 A	40 Nm	12 s.	130 x 88 x 179	1.9 kg
MV12A3/4	3/4"	12 V	2.2 A	40 Nm	12 s.	130 x 88 x 185	2.1 kg
MV12A1	1"	12 V	2.2 A	40 Nm	12 s.	130 x 88 x 199.5	2.5 kg
MV12A11/4	1 1/4"	12 V	2.2 A	40 Nm	12 s.	130 x 88 x 211	3.1 kg
MV12A11/2	1 1/2"	12 V	2.2 A	40 Nm	12 s.	130 x 88 x 224.5	3.8 kg
MV24A1/2	1/2"	24 V	1.2 A	40 Nm	12 s.	130 x 88 x 179	1.9 kg
MV24A3/4	3/4"	24 V	1.2 A	40 Nm	12 s.	130 x 88 x 185	2.1 kg
MV24A1	1"	24 V	1.2 A	40 Nm	12 s.	130 x 88 x 199.5	2.5 kg
MV24A11/4	1 1/4"	24 V	1.2 A	40 Nm	12 s.	130 x 88 x 211	3.1 kg
MV24A11/2	1 1/2"	24 V	1.2 A	40 Nm	12 s.	130 x 88 x 224.5	3.8 kg
MV24B2	2"	24 V	4.1 A	220 Nm	25 s.	180 x 137 x 309.5	7.4 kg

A Vetus motorised ball valve can be opened and closed remotely using switch ELVPAN12 (12 Volt) or ELVPAN24 (24 Volt) or the wastewater control panel WWCP. These switches and panel are not included.

ADDITIONAL INFO

IP-CODING

IP-coding

The IP Code, Ingress Protection Rating, classifies and rates the degree of protection provided against the intrusion of solid objects, dust, accidental contact, and water in mechanical casings and electrical enclosures.
The digits indicate conformity with the conditions summarized in the tables below.

IP	Protected against	Effective against
IP0x	No protection against contact and ingress of objects	
IP1x	>50 mm	Any large surface of the body, such as the back of a hand, but no protection against deliberate contact with a body part
IP2x	>12.5 mm	Fingers or similar objects
IP3x	>2.5 mm	Tools, thick wires, etc.
IP4x	>1 mm	Most wires, screws, etc.
IP5x	Dust protected	Ingress of dust is not entirely prevented, but it does not interfere with the satisfactory operation of the equipment; complete protection against contact
IP6x	Dust tight	No ingress of dust; complete protection against contact

IEC	Protected against	Testing for
IPx0	Not protected	
IPx1	Dripping water	Dripping water (vertically falling drops) will have no harmful effect.
IPx2	Dripping water when tilted up to 15°	Vertically dripping water will have no harmful effect when the enclosure is tilted at an angle up to 15° from its normal position.
IPx3	Spraying water	Water falling as a spray at any angle up to 60° from the vertical will have no harmful effect.
IPx4	Splashing of water	Water splashing against the enclosure from any direction will have no harmful effect.
IPx5	Water jets	Water projected by a nozzle (6.3 mm) against enclosure from any direction will have no harmful effects.
IPx6	Powerful water jets	Water projected in powerful jets (12.5 mm nozzle) against the enclosure from any direction will have no harmful effects.
IPx7	Immersion up to 1 m	Ingress of water in harmful quantity will not be possible when the enclosure is immersed in water under defined conditions of pressure and time (up to 1 m of submersion).
IPx8	Immersion beyond 1 m	The equipment is suitable for continuous immersion in water under conditions that shall be specified by the manufacturer. Normally, this will mean that the equipment is hermetically sealed. However, with certain types of equipment, it can mean that water can enter but only in such a manner, that it produces no harmful effects.