

# AWH VMON Control Head in the 2nd Generation



**General**

The AWH control head VMON II has significant innovations in handling and electronics. It is more compact than its predecessors. The VMON II has become smaller in both height and diameter.

The latest electronics are available in the housing, which allows further development stages thanks to the modular design. With **IO-Link** and **ATEX**, further milestones are now added. These two versions are now available from stock. All three versions are available in both an air/spring (single acting) and an air/air (double acting) variant.



The 24 Volt version outputs a binary signal, which enables a digital query. The ASI version has an optical ident function to query the status during installation. All types have an **RFID chip** inside with a link to our homepage, which leads directly to the operating manual in German and English. Further links to internal databases, such as service and spare parts, are of course also possible. These can be programmed directly by the user. IO-Link and ASI variant also have additional interface features.

The housing is protected against dust and moisture from the outside **class IP67**. The base and hood are locked with a bayonet catch and can also be sealed with a lead seal. Inside, green and red LEDs light up as usual to **indicate the position of the valve**. A **target** is mounted between the actuator and the base, which can be configured in different ways. For example, NO and NC queries can be easily realized by repositioning the target. Our actuator with 70° opening angle can also be configured and detected with the target.



In the base there is another **pneumatic connection**, with which, among other things, flushing valves of the leakage valves can be controlled, The internal air duct ensures that **no external air lines** are visible between the actuator and the control head.

The new VMON II control head is compatible with all drive sizes of the VMove series from year of manufacture 2021 (see overview). No adapters and additional brackets are required. All necessary connection parts for subsequent retrofit are already included in the scope of delivery.

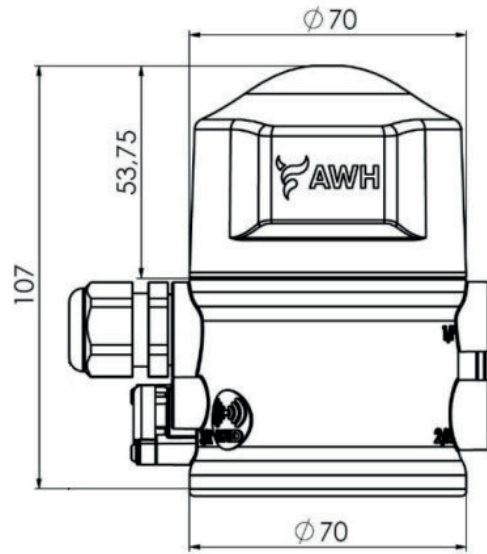
Type	24 Volt Air/ Spring Wire-Terminal	24 Volt Air/ Spring 8 Pin Plug	24 Volt Air/ Air Wire-Terminal	ASI Air/Spring 4 PIN Plug	ASI Air/ Air 4 PIN Plug	IO-Link Air/ Spring 4 PIN Plug	IO-Link Air/ Air 4 PIN Plug	Leakage But-terfly valve all VMON II	ATEX zone 2/22
VMove 0	✓	✓	✗	✓	✗	✓	✗	✗	✗
VMove 1	✓	✓	✓	✓	✓	✓	✓	✓	✓
VMove 2	✓	✓	✓	✓	✓	✓	✓	✓	✓

Applies to all AWH VMove drives as of year of manufacture 2021

### Valve Actuators and Dimensions



VMove 0 with Control Head VMON II



### Technical Data

**Temperature**

Ambient temperature -10 °C bis +55 °C / +14 °F bis +131 °F

**Protection Type**

IP 65/67 acc. to EN 60529 only with correctly connected cables, plugs, sockets and correctly closed hood, as well as correctly executed Adaptation to the process valve

**Materials**

Hood PC, transparency, partly coated inside  
 Bottom part PPE-PS GF 20, blue  
 Gaskets EPDM  
 Cable glands/ Plastics (PA, NBR)  
 Plug connectors

**Pneumatic Data**

Control medium Air acc. DIN ISO 8573-1, neutral gases (Filter 5 µm recommended)  
 Pressure range 2,5 bis 7 bar bzw. 36,3 bis 101,5 psi  
 Hose D<sub>outside</sub> = 6mm / D<sub>inside</sub> = 4mm

**3/2-way solenoid valve und 5/2-way solenoid valve**

Nominal power 0,8 W  
 max. switching frequency 10 Hz  
 Air performance ca. 110L<sub>N</sub>/min (for aeration and ventilation)

Further information is available upon request.

### Variants

Version	Article-No.
Actuator VMove 0 air/spring with VMON II, 24 Volt, Terminal strip, RFID	3970 071 10R
Actuator VMove 1 air/spring with VMON II, 24 Volt, Terminal strip, RFID	3970 121 10R
Actuator VMove 2 air/spring with VMON II, 24 Volt, Terminal strip, RFID	3970 201 10R
Actuator VMove 0 air/spring with VMON II, 24 Volt, Socket 8pin, RFID	3970 071 40R
Actuator VMove 1 air/spring with VMON II, 24 Volt, Socket 8pin, RFID	3970 121 40R
Actuator VMove 2 air/spring with VMON II, 24 Volt, Socket 8pin, RFID	3970 201 40R
Actuator VMove 0 air/spring with VMON II, ASI, Socket 4pin, RFID	3970 071 20R
Actuator VMove 1 air/spring with VMON II, ASI, Socket 4pin, RFID	3970 121 20R
Actuator VMove 2 air/spring with VMON II, ASI, Socket 4pin, RFID	3970 201 20R
Actuator VMoVe 1 air/spring with VMON II, IO-Link, Socket 4pin, RFID	3970 121 30R
Actuator VMoVe 1 air/air with VMON II, IO-Link, Socket 4pin, RFID	3970 122 30R
Actuator VMoVe 2 air/spring with VMON II, IO-Link, Socket 4pin, RFID	3970 201 30R
Actuator VMoVe 2 air/air with VMON II, IO-Link, Socket 4pin, RFID	3970 202 30R
VMON II for Actuator VMove NC/NO 24 Volt, Terminal strip, with RFID, incl. Assembly material	3957 071 10R
VMON II for Actuator VMove NC/NO 24 Volt, Socket 8pin, with RFID, incl. Assembly material	3957 071 40R

Further variants can be found in the AWH valve catalog.



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