



Part Turn Electric Motor Operated Valve Actuator



Summary

The "AOX-VR" series part turn electric motor operated valve actuator has excellent weather resistance and shock resistance. When the actuator is powered off, the self-locking transmission mechanism ensures that the valve position remains unchanged. It is equipped with electrical and mechanical double limit positions. A removable drive adapter sleeve is used to facilitate processing. The bottom mounting dimensions comply with ISO5211 standards.

Product Introduction of the part turn electric motor operated valve actuator

If the manual operation of the "AOX-VR" series part turn electric motor operated valve actuator is not powered on, it can be manually operated with a hex wrench. During manual operation, the power must be cut off first; Remove the dust cover on the reducer cover and insert the attached handle into the hexagonal hole; Turn the manual handle clockwise to reduce the opening. When the opening is turned to the fully open and fully closed positions, the limit switch will move for another half turn, which will touch the mechanical stop. Excessive rotation will cause damage to other parts. Therefore, excessive force should be avoided.

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Product Parameter (Specification)of the part turn electric motor operated valve actuator

Dryer:	25-30w (220V AC) anti condensation
Connection port:	2 M20 * 1.5
Limit switch:	2 x open / close, SPDT, 250V AC 10A
Mechanical limit:	2 external adjusting bolts
Auxiliary limit switch:	2 x open / close, SPDT, 250V AC 10A
Torque switch:	2 x open / close, SPDT, 250V AC 10A (optional)
Travel:	90 ° ~ 270 ° ± 10 ° (specify in advance if the travel is above 90 °); 0 ° ~ 270 ° (optional)

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Stall protection / operating temperature:	built in thermal protection, on 120 °C±5 °C / off 97 °C±5 °C
Indicators:	switch indicators
Handle:	reliable, labor-saving, small size
Mechanical limit:	2 external adjusting bolts
Dryer:	25-30w (110 / 220V AC)
Wiring hole:	2 M20 × one point five
Ambient temperature:	- 25 °C - + 70 °C; (- 30 °C, - 40 °C, - 60 °C) optional)
Lubrication:	aluminum base grease (EP type)
Materials:	steel, aluminum alloy, aluminum bronze, polycarbonate, ABS
Ambient humidity:	Max 90% RH; Non condensing
Outer coating:	dry powder, epoxy polyester
Consistency with EC Directive:	The actuator meets the following requirements: 2014 / 30 / EU electromagnetic compatibility; 2014 / 35 / EU low voltage
	The following harmonized standards: General emission standard for industrial environment EN61000-6-4; General anti-interference standard for industrial environment EN61000-6-4; Rotating electrical machine standard EN60034-1

Model	Maximum Output Torque	Action Time:	Output Shaft		Motor Class H	Rated Current (A) 50HZ	Weight
	N • M	(90°)	MM		(W)	220V	(kg)
AOX-VR-005	50	30	Max Φ 16	Max 17×17	10	0.23	4.7
AOX-VR-008	80	60	Max Φ 16	Max 17×17	10	0.23	4.7
AOX-VR-010	100	30	Max Φ 16	Max 17×17	15	0.40	5.5
AOX-VR-015	150	60	Max Φ 16	Max 17×17	15	0.40	5.5
AOX-VR-020	200	30	Max Φ 30	Max 27×27	60	0.48	15
AOX-VR-030	300	30	Max Φ 30	Max 27×27	60	0.52	15
AOX-VR-040	400	30	Max Φ	Max 27×	60	0.59	15

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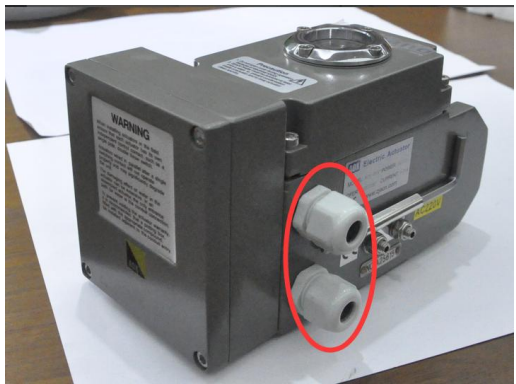
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0			30	27			
AOX-VR-06	600	60	Max Φ 30	Max 27 \times 27	60	0.52	15

Product Feature And Application of the part turn electric motor operated valve actuator

Other manufacturers	The "AOX-VR" series
	
<p>With only one terminal block, the power and signal lines are prone to interference.</p>	<p>With two terminal blocks, the power and signal lines are separated and no interference occurs.</p>

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Inspection equipment of the part turn electric motor operated valve actuator



In order to guarantee the quality of the actuators and to ensure the positioning accuracy and speed performance of the electric actuators in the field, we have set up an actuator inspection and testing centre to ensure the quality of the "AOX-VR" series of part turn electric motor operated valve actuators from raw materials to finished products.

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