

Actuator model:	V30	V65	V180	V250	V400		Explanations:
Type of actuator	Turning	Turning	Turning	Turning	Turning		
Torque*	6-30Nm	10-60 Nm	30-120 Nm	60-300 Nm	60-400 Nm		*Torque is stepless adjustable!
Speed max. %/sec	25%/sec *	22%/sec *	20%/sec *	9%/sec *	9%/sec *		*24 V DC power supply mode
Speed max. %/sec	40%/sec	40%/sec	32%/sec	18%/sec	18%/sec		*48 V DC power supply mode
Precision	0,5°	0,1°	0,1°	0,1°	0,1°		
Sealing	IP 67	IP 67	IP 67	IP 67	IP 67		
Operating temp. °C*	-40 - +80	-40 - +80	-40 - +80	-40 - +80	-40 - +80		*Depending ambient temp.!
Weight (kg)	4,4	5,1	7,7	13,3	16,9		
Atex-certified	No	No	No	No	No		
<b>Electrical data:</b>							
Voltage (VDC)	24 / 48	24 / 48	24 / 48	24 / 48	24 / 48		
Current rating (A) Peak!*	5 <sup>1</sup>	5 <sup>1</sup>	7 <sup>1</sup>	10 <sup>1</sup>	13 <sup>1</sup>		*When maximum torque is in use!
Analog control 4-20mA	Yes	Yes	Yes	Yes	Yes		
0-10 or 2-10V control	Yes	Yes	Yes	Yes	Yes		
Modbus 485	Yes	Yes	Yes	Yes	Yes		
3-point control	Yes	Yes	Yes	Yes	Yes		
On-Off	Yes	Yes	Yes	Yes	Yes		
4-20mA feedback signal*	Yes	Yes	Yes	Yes	Yes		*Analog / Active
<b>Actuator model:</b>	<b>V30Q</b>	<b>V65Q</b>					
Type of actuator	Turning/quick	Turning/quick					
Torque*	6-30 Nm	10-60 Nm					*Torque is stepless adjustable!
Speed max.	250%/sec	150%/sec					*Speed is stepless adjustable!
With external gear (up to)	3000Nm	6000Nm					
Max speed /external gear	45sec/90°	60 sec/90°					
Precision	0,5°	0,1°					
Sealing	IP 67	IP 67					
Operating temp: (°C)*	-40 - +80	-40 - +80					*Depending ambient temp.!
Weight (kg)	5,8	6,5					
EX -certifies	No	No					
<b>Electrical data:</b>							
Voltage (VDC)	24	24					
Current Rating (A) Peak!*	10 <sup>1</sup>	13 <sup>1</sup>					*When maximum torque ia in use!
Analog control 4-20mA	Yes	Yes					
0-10 or 2-10V control	Yes	Yes					
Modbus 485	Yes	Yes					
3-point control	Yes	Yes					
On-Off	Yes	Yes					
4-20mA feedback signal*	Yes	Yes					*Analog / Active
<b>Common information about all actuator models:</b>							
Resolution up to 5000 steps for 90° when 3-point control is selected. 1500 steps for 90° when 4-20mA control is selected							
Duty cycle: up to 100%							
All parameters are stepless adjustable!							
All actuator models are multiturn 1° to 5,400 000°. Up to 15000 turns							
Speed depending on chosen torque in V-series actuators with stepper motor.*							
External adjustable limit switches* (Optocouplers) for open and close position.							
Programming is done by the Oden Valve Program (PC) trough a USB connector.*							
Can be delivered with external gears.*							
Control signals are galvanic isolated							
Galvanic isolated feedback signal 4-20mA							
Manual operating YES with key* Handwheel Option							
Oden Remote control box with 0-100% feedback display Option							
Local control by push buttons in actuator in actuator Option Push buttons by led lights.							
In and output limitations document can be downloaded from our website!							

Oden Actuators can be delivered by external gears from Auma or Sumitomo Fine Cyclo gears.  
Ask your local Oden supplier or Oden Control AB for more info.