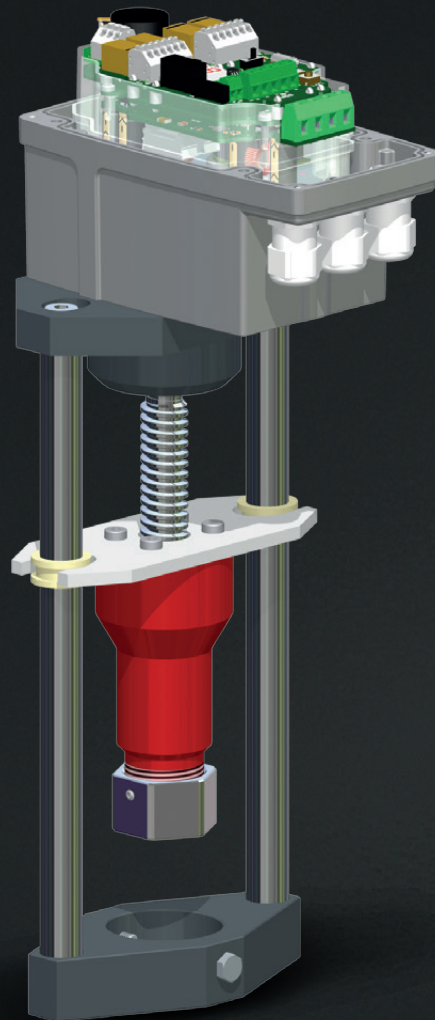


VENTARIS TE

The combination of
Tensor and Ventaris



Tensor actuator head

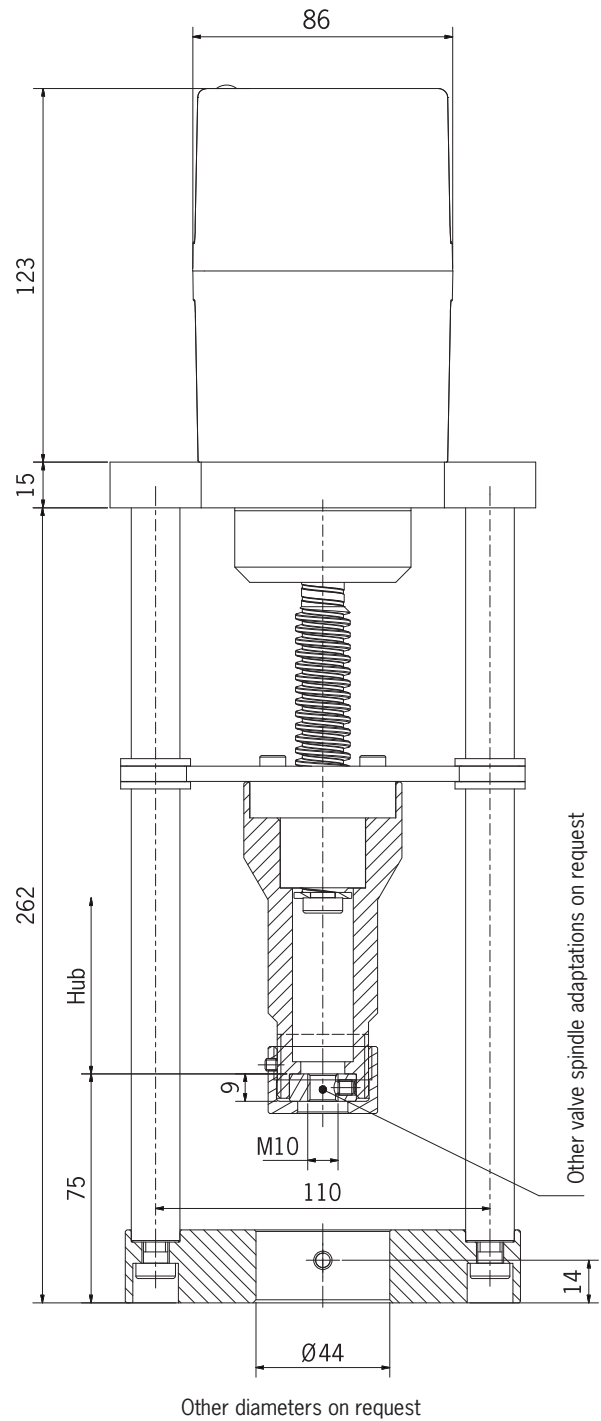
- > Fully electronic precision variable speed actuator
- > BLDC brushless DC motor
- > Force and path shut-off
- > Wear-free, non-contact position detection via Hall sensors
- > Tensor multiple voltage power supply unit 85 ... 265 VAC or 24 VDC
- > Electronic end position setting
- > Programmable additional path switch (bi-stable relay)

TECHNICAL DATA

Ventaris TE

TECHNICAL DATA TENSOR

Protection type	IP 65 (optionally up to IP 67)
Ambient temperature	-15 °C...+60 °C (optionally -25 °C...+80 °C)
Case	Powder-coated die-cast aluminium
Gear unit	Metal
Cover	Polycarbonate (alternatively aluminium)
Hand wheel	Outer (optional)
Position indicator	Electronic
Supply voltage	85–265 VAC (alternatively 24 VDC)
Additional switches	2 or 4 bi-stable relays (optional)
Potentiometer	Electronic (optional)
Duty cycle	100%
Connection	3 cable entries M16x1.5
Path shut-off	Electronic (wear-free)
Maintenance	Maintenance-free permanent lubrication
Actuation	3-point step (optional positioner 12 bit, bus, ...)



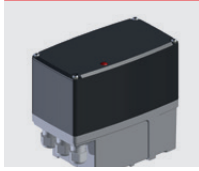
TYPE VENTARIS TE

Actuating force (N)	1000	1000	1000	1000	2000	2000	2000	2000	3000	3000	3000	5000	6000
Actuating time (mm/s)	0.1	0.3	0.5	0.8	0.1	0.3	0.5	0.8	0.1	0.2	0.3	0.1	0.3

Other actuating times on request

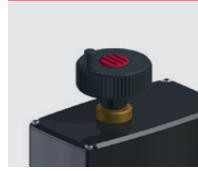
VENTARIS TE

Options



Metal cover

- > Robust and impact-resistant industrial design, aluminium
- > Powder coated



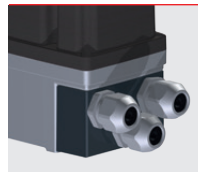
Hand wheel

- > Automatic disconnect
- > Not co-rotating



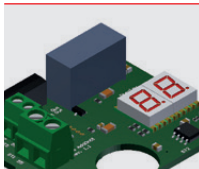
Inspection glass/ position indicator (only in combination with metal cover)

- > Visualisation of the outward 7-segment display



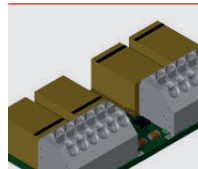
Cable entry adapter

- > For cable gland 3xM20 (instead of 3xM16)
- > Cable entry from front
- > Anodised aluminium



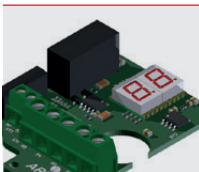
Current output

- > Add-on board
- > Integrated in internal system bus
- > Position feedback 4–20 mA
- > Alarm output for signalling readiness
- > With two-digit 7-segment display for easier programming and position display



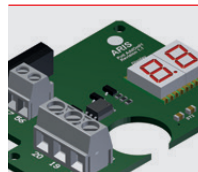
Auxiliary path switches

- > Additional auxiliary path switches with freely selectable switch-on and shut-off points
- > Convenient adjustment via on-board keypad
- > Bi-stable design (switching position is retained even when operated without voltage)
- > Version with 2 or 4 additional switches



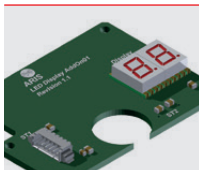
PCB I-ACT (Add-on)

- > Electronic potentiometer
- > Bus actuation
- > Controller card
- > Position indicator
- > Current output
- > Special functions



Potentiometer PCB

- > Add-on board
- > Integrated in internal system bus
- > Electronic potentiometer
- > Impedance 1 kOhm
- > Automatic adjustment to the configured control path of the actuator
- > 100% utilisation of the potentiometer range
- > Manual adjustment via on-board keypad if necessary
- > Can be used as a voltage divider
- > Alarm output for signalling readiness
- > Two-digit 7-segment display for easier programming and position display



PCB plain text display (7-segment)

- > Double 7-segment display
- > Position displayed in percentage
- > Rotary direction indicator
- > Menu navigation in programming process
- > Standard with optional potentiometer, I-ACT and current output