

Concept

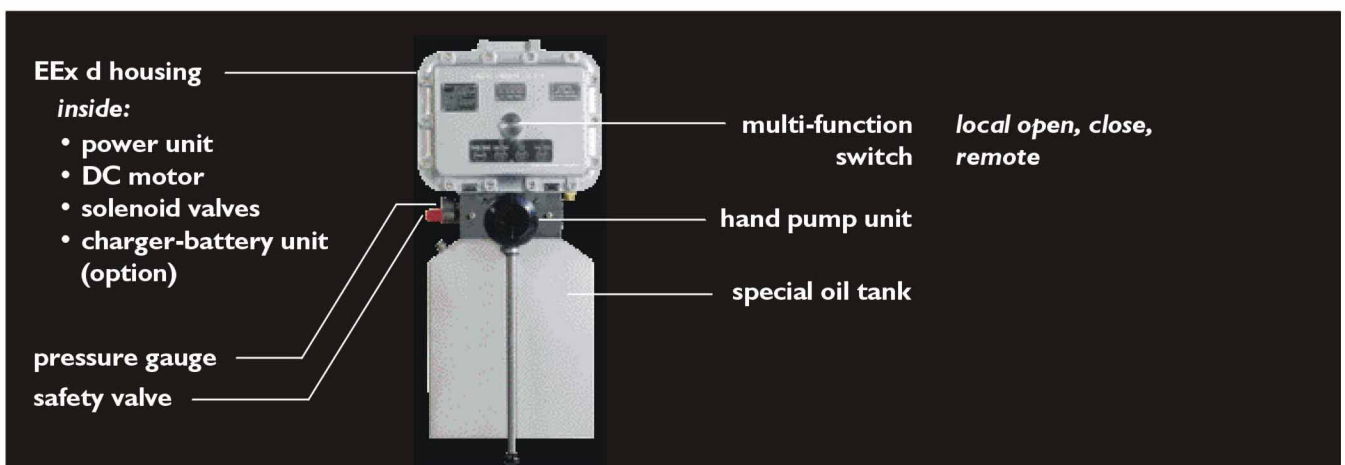
The SEHLAZ linear actuators control and modulate pipeline medium flows and ensure decades of troublefree actuation. Fahlke SEHLAZ linear actuator technology can be placed fast on top of every rising stem type ball or gate valve 1 - 42" diameter. With the safety electro-hydraulic control there is no requirement for gas and air connections, no tapping into gas pipelines or expensive air compressors with long supply tubes.

Advantages

- wide power output range of each model
- variable open/close speeds
- system stays into service after power supply failure, 1 up to 3 strokes
- compact design
- user-friendly multi power supply 24 V DC, 115 V AC, 230 V AC
- long distance power supply up to 1000m possible
- bus control available
- perfect safety, up to four safety features: bladder accumulator
hand pump
spring cartridge*
battery-charger-unit*

Control Design

The most user-friendly and compact control



Safety Features

	<p>bladder accumulator (standard)</p>	<p>The accumulation of hydraulic fluid which compressed the stored nitrogen enables a short regulating time and guarantees actuation in case of a power supply failure.</p>		<p>spring cartridge increases safety, it guarantees actuation independent of the complete system.</p>
	<p>hand pump (standard)</p>	<p>For hand operation in case of power supply failure.</p>		<p>charger-battery unit (option)</p>
			<p>For special applications. Enables up to 20 cycles in case of power supply failure.</p>	

Technical Data SEHLAZ:

**Power output 100 - 500.000 N
for valves 1 - 42" diameter**

temperature range	: -25 + 80° C others on request
required power	: 0,25 - 0,50 kW dependent on power output
power supply	: 24 V DC , 115 V AC, 230 V AC (50/60 Hz), others on request
power demand for solenoid valves	: 12 Watt (operating voltage as needed)
operating voltage internal	: 24 V DC
limit switch	: potentialfree, EEx d IIC (signalization voltage as needed)
failsafe operation	: bladder accumulator
failsafe operation SR	: spring*
failsafe operation	: battery*
emergency operation	: hand pump
cable requirement	: 3 x 1,5 mm ² PG 16 (power supply) 18 x 1,5 mm ² PG 29 (signalization and control)

* option