



## TruTorq Power Pack, On-Off Specification

Power Pack, On-Off is a Electro/hydraulic unit suitable for Spring Return (SR) actuators. In the event of power loss , the valve will automatically go to the fail-safe position by means of spring force. The unit can be mounted directly on the actuator or remotely, ie. harsh environments.

To be able to quote and deliver the right execution and size the following specification needs to be considered.

Item	Description	Alternatives	Decition		
1	Valve torque	Nm/in.lbs		Type of valve?	
2	Safety factor	+ ?? %			
3	Actuator type	C or E			
4	Voltage	230VAC 50/60Hz		If other, which?	
		120VAC 50/60Hz			
		24 VDC			
5	Control signal	Same as Voltage (4)			
		24VDC			
		Other			
6	Fail-Safe, Spring to close	Clockwise			
		Anti Clockwise			
7	Placement	Indoor			
		Outdoor			
8	Limit Switch Box			Type of Bus?	
9	Type of communication	None			
		Configuration			
		Bus			
10	Oil Level indicator				
11	Oil Level External Alarm				
12	Run time, Standard	8 constant cycles			
	Run time, Extended	26 constant cycles			
13	Main Switch				
14	Auto or Manual Switch				
15	Limit Switch indication	Open			
		Open and Closed			
16	Ramp control	Open			
		Close			

## Descriptions

1. Torque of the valve that shall be operated (Nm or in.lbs)?
2. It is appropriate to add a safety factor to the valve torque, preferably at least + 25%.
3. Choose C- or E-type of actuator (size 8, 12, 20, 35 and 55), main differences are connections valve-actuator and end stop adjustments.
4. What is the External voltage that is given to operate the Power Pack?
5. Choose type of voltage for the control signal.
6. Choose the direction of the rotation when the actuator closes (FC), standard is Anti Clockwise.
7. Final placement of the Power Pack, Indoor or Outdoor?
8. Shall the device have a Limit Switch Box, yes or no?
9. What type of communication is needed; none, hand control unit, PC or other?
10. Do you need an Oil level indicator, yes or no?
11. Do you need an Alarm for low oil level?
12. How many constant cycles, without interruption, must your device be able to perform?
13. Shall the device be provided with a Main Switch, yes or no?
14. Shall it be possible to operate the device locally, yes or no?
15. Shall the Limit Switch indicate Open position or both Open and Closed Position?
16. Time-controlled operation; opening, closing or both?