



APPLICATION CHECKLIST

For the selection of electric actuators designed for the pipeline valves automation

Customer: tel./fax: e-mail:		Name of Project:	
Definition and technical requirements for the pipeline valves			
1.	Valve type Valve type:		
2.	Working function of the valve Isolation of flow <input type="checkbox"/> Regulation of flow <input type="checkbox"/> With the rising stem <input type="checkbox"/>		
3.	DN, mm	4.	PN, bar
5.	Tripping torque[NM]	6.	Tripping force [N]
7.	Required stroke[rpm][mm]	8.	Actuation time
9.	Ambient temperature from -25°C to +55°C <input type="checkbox"/> from -40°C to +40°C <input type="checkbox"/> from -25°C to +55°C <input type="checkbox"/> from -40°C to +40°C <input type="checkbox"/> (for marine solutions) from -50°C to +40°C <input type="checkbox"/> (extreme low)		10. Size of valve attachment according to OST 26-07-76373 - M <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> B <input type="checkbox"/> Г <input type="checkbox"/> Д <input type="checkbox"/> - according to ISO 5210 F..... - tube clamp connector..... - flanged tube clamp connector..... - other(please, attach the drawing)
Definition and technical requirements for the electric actuator			
11.	Electric actuator type Multi-turn <input type="checkbox"/> Part-turn <input type="checkbox"/> Linear <input type="checkbox"/>		
12.	Actuator control Standard <input type="checkbox"/> Positioner-equipped <input type="checkbox"/> MATIC <input type="checkbox"/>		
13.	Type of protection General purpose <input type="checkbox"/> Explosion-proof <input type="checkbox"/> For Nuclear Power Plants <input type="checkbox"/>		
14.	Type of duty ON – OFF S2 – 10 min short-time duty <input type="checkbox"/> S2 - 25% intermittent duty from 6 to 90 cph <input type="checkbox"/>		
15.	Type of duty for automated control S4-25% intermittent duty from 90 to 1200 cph <input type="checkbox"/>		
16.	Type of atmosphere: - II industrial <input type="checkbox"/> - III seaside <input type="checkbox"/> - IV seaside-industrial <input type="checkbox"/>		
17.	Voltage 220 V AC <input type="checkbox"/> 3x380 V AC <input type="checkbox"/> 24 V AC <input type="checkbox"/> 24 V DC <input type="checkbox"/> otherV AC,Hz		
18.	Electric connection Crimp connection <input type="checkbox"/> Plug/socket connector <input type="checkbox"/>		

19.	Mechanical position indicator	<input type="checkbox"/>	20.	Hand wheel	<input type="checkbox"/>
21.	Local control	<input type="checkbox"/>	22.	Space heater	<input type="checkbox"/>
23.	Limit switches	<input type="checkbox"/>	24.	Travel limit switches	<input type="checkbox"/>
25.	Torque switches	<input type="checkbox"/>	26.	Mechanical connection:	
27.	Explosion protection			Multi-turn:	
	Ex de II B T6	<input type="checkbox"/>		- According to OCT 26-07-763 <input type="checkbox"/>	
28.	Enclosure protection			Part-turn:	
	Ex de II B T5	<input type="checkbox"/>	- According to ISO 5210 F..... <input type="checkbox"/>		
	Ex de II C T5	<input type="checkbox"/>	Linear:		
29.	Required settings		- flanged according to DIN 3358 <input type="checkbox"/>		
	Torque	<input type="checkbox"/>	- tube clamp connector <input type="checkbox"/>		
	Force	<input type="checkbox"/>	- flanged tube clamp connector <input type="checkbox"/>		
	Turns/stroke	<input type="checkbox"/>	- special 4-tube clamp connector <input type="checkbox"/>		
			Other(please, attach the drawing)		
Actuator controls with positioner					
30.	Positioner		31.	Amperage sensor 4-20 mA (simple)	
	Potentiometer feedback signal	<input type="checkbox"/>		Amperage sensor without source	<input type="checkbox"/>
	mA feedback signal	<input type="checkbox"/>	Amperage sensor with source	<input type="checkbox"/>	
32.	Capacity sensor 4-20 mA		Capacity sensor CPT 4-20mA without source <input type="checkbox"/>		
	Capacity sensor CPT 4-20mA with the source		<input type="checkbox"/>		
	Capacity sensor CPT 4-20mA with remoted source		<input type="checkbox"/>		
33.	Mechanical position indicator	<input type="checkbox"/>	34.	Space heater	<input type="checkbox"/>
35.	Torque blocking:		in limit positions <input type="checkbox"/>		
	During the start <input type="checkbox"/>				
Actuator controls MATIC					
36.	Control signal input type:		37.	1 relay READY	
	voltage 24 V DC	<input type="checkbox"/>		<input type="checkbox"/>	
	unified signal 0/4-20mA	<input type="checkbox"/>			
	impulse	<input type="checkbox"/>			
38.	2 freely programmable relays RE1, RE 2		39.	Safety function ESD	
	<input type="checkbox"/>				<input type="checkbox"/>
40.	Timing mode / regime of operation		41.	Output for failure messages	
	<input type="checkbox"/>				<input type="checkbox"/>
42.	Built-in reversing contacts for 3-phase motor		43.	Space heater operated by control unit	
	<input type="checkbox"/>				<input type="checkbox"/>
44.	Thermoswitches		45.	LED local position indicator	
	Automatic reset	<input type="checkbox"/>			<input type="checkbox"/>
46.	Additional relays R3, R4, R5		47.	Switch-off adjusting torque from 50% to 100%	
	<input type="checkbox"/>				<input type="checkbox"/>

48.	Torque blocking: - in limit positions <input type="checkbox"/> - during the start <input type="checkbox"/>	49.	Local control through LCD display <input type="checkbox"/>
50.	Control and correction of phases sequence <input type="checkbox"/>	51.	Version with control board PROFIBUS <input type="checkbox"/>
Equipment and main parameters for actuators aimed for nuclear power plants			
52.	Aimed for installation in: - outside the nuclear building <input type="checkbox"/> - inside the nuclear building <input type="checkbox"/>	53.	For automation of valves with quality category: - QA1 <input type="checkbox"/> - QA2, QA3 <input type="checkbox"/> - QNC <input type="checkbox"/>
Gear reducer (gearbox)			
54.	Gearbox name <input type="checkbox"/>	55.	Gain coefficient <input type="checkbox"/>
56.	Time of valve adjustment <input type="checkbox"/>	57.	Type of flange for electric actuator <input type="checkbox"/>
58.	Type of flange for pipeline valve <input type="checkbox"/>		
59.	Notes:		