

Section 1: General

General Quotation Data *:

Company Name *	Telephone *
Your Reference *	Email Address *
Contact(s) *	Specification(s) Attached? * Yes No
End User *	Specification Reference(s) *
Project *	Valve Data sheets attached? * Yes No
Site / Country *	Min Ambient Temperature *
Enquiry Date *	Max Ambient Temperature *
Quote Required by Date *	

Generic Valve Data *:

Valve Type *	Actuator Type *:		Please specify Actuator Type and then fill in the corresponding Section
Tag No. *	Electric	Section 2	
Size / Class *	Electro-Hydraulic	Section 3	
Quantity *		Pneumatic / Hydraulic	Section 4

Notes / Special Requirements:

Section 2: Electric Actuator

Valve Data *:					
Required Actuator Output *	Multi-turn	Part-turn	Linear	Safety Factor / Margin *	%
Turns / Stroke (if Linear) *				Safety Factor Already Included *	Yes No
Valve Required Torque *				Stem Diameter *	
Valve Required Thrust *				Mounting Flange *	
Operating Time *	seconds			ISO 5210 / 5211	MSS - SP101 / 102
Electric Actuator Data:					
Control Starter Type *	Integral	Non-Integral	Special Paint		Yes No
Operating Duty *				Paint Specification Reference	
Power Supply *				Colour Reference	
Enclosure *	Hazardous	Non-Hazardous	Fireproofing		Yes No
Certification *				Fireproofing Type	
Other / Specific Classification				Failsafe *	Yes No
Remote Control Type *				SIL	Yes No
Maximum Handwheel Force *				SIL Safety Function	Stayput ESD N/A

Section 3: Electro Hydraulic Actuator

Valve Data *:					
Valve Service *				Process Fluid *	
Stem Orientation *				Required Actuator Output *	Part-turn Linear
			Turns / Stroke (if Linear) *		
Torque *,		Thrust *,			
BTO *	RTO *	ETO *	BTC *	RTC *	ETC *
			Safety Factor / Margin on valve torque/ thrust figures % *		
BTO *	RTO *	ETO *	BTC *	RTC *	ETC *
			Safety Factor / Margin Already Included *		
			Yes No		
Electro Hydraulic Actuator Data:					
Actuator Type *				Position Feedback	*14
Power Supply *				Adjustable Operating Time *	Yes No
Certification *				Operating Time Open *	Seconds
Other / Specific Classification				Operating Time Close *	Seconds
Operating Duty *				Network Card	*15
Fail Mode: Power supply *				Accumulator	Yes No
Fail Mode: ESD signal *				Number of Strokes	
Manual Override				Accumulator Type	*16

*19: For Torque / Thrust figure abbreviations

Section 4: Pneumatic / Hydraulic Actuator

Valve Data *:

Valve Service *		
Stem Orientation *		
Process Fluid *		
Required Actuator Output *	Part-turn	Linear
Turns / Stroke (if Linear) *		

Torque *,		Thrust *,			
BTO *	RTO *	ETO *	BTC *	RTC *	ETC *

*19: For Torque / Thrust figure abbreviations

Only GO / HPG Actuators

	Torque,			Thrust,		
At Min P						
At Max P						
	BTO	RTO	ETO	BTC	RTC	ETC

Safety Factor / Margin on valve torque/ thrust figures %					
BTO *	RTO *	ETO *	BTC *	RTC *	ETC *

Safety Factor / Margin Already Included * Yes No

Pneumatic / Hydraulic Actuator Data:

Actuator Type *	*17
Supply Fluid *	*18
Supply Pressure *	Min Max
Fail Mode: Supply Failure *	
Fail Mode: Control Signal *	
Manual Override	*13

Solenoid Valve	Yes	No
Body Material	IP Rating	
Coil Encl. Material		
Hazardous Area Classification	*9	
Other / Specific Classification		
Manufacturer		
Power Supply		
Auto Reset	Manual Reset	Manual Override

Accumulator	Yes	No
Number of Strokes		
Accumulator Type	*16	

Position Feedback	Yes	No	
Manufacturer	Contact Rating	A	
Contact Type	Enclosure Material		
Contact Material	IP Rating		
Hazardous Area Classification	*9		
Other / Specific Classification			
Open	Close	Intermediate	Potentiometer
Mechanical Switch	Magnetic Switch	Inductive Prox Sensor	

Adjustable Operating Time *	Yes	No
Operating Time Open *	Seconds	
Operating Time Close *	Seconds	
Schematic Number		

Positioner	Yes	No
Manufacturer	IP Rating	
Hazardous Area Classification	*9	
Other / Specific Classification		
Enclosure Material		
For Partial Stroke	For Modulation	

Installation and Mounting	Yes	No
On the actuator	Backplate	
Cabinet	Backplate with Sunshade	
Remote Mounted	Max Distance	

Filter Regulator	Yes	No
Enclosure Material		
Filter Mesh	µm	
Manufacturer		

Only for GO / HPG Actuators

Torque Limiter Device	Pneumatic Line Break	Electronic Line Break	
Electric High Differential Open Inhibit	Pneumatic High Differential Open Inhibit	High Pressure Select	
Inlet Isolation Valve	Dehydrator Filter	Cabinet	
Pneumatic Partial Stroke	Pneumatic Low Pressure Close	Electric ESD	Mechanical Filter

Items marked with a * are the minimum requirements for us to be able to quote. The more information that is completed the better the accuracy of our quotation UOM: Unit of Measurement, *# please see Section 5 for referenced Notes

Section 5: Notes

- *1: **Temperature** data should be given in either "Deg C (°C)" or "Deg F (°F)"
- *2: **Valve Stroke / Covertube Length / Stem Diameter and Valve Travel** data should be given in either "mm", "cm" or "inches (")"
- *3: **Torque** data should be give in either "N-m", "lbs-ft", "lbs-in", "kgf-m" or please specify Other
- *4: **Thrust and Handwheel Force** data should be give in either "N", "kN", "lbf", "kgf" or please specify Other
- *5: **Power Supply** data should be given in either "VAC-ph-Hz" or "VDC"
- *6: **Supply Pressure** data should be give in "bar", "psi", "kPa", "mPa" or "Other (Please Specify)"
- *7: **Mounting Max Distance** data should be given in "m" or "Feet"
- *8: **Operating Duty** options include "Isolating (On / Off)" or "Modulating (Positioning)" (Incl. expected number of starts / hr if unsure)
- *9: **Certification and Hazardous Area Class** options include "Europe (ATEX)", "International (IEC Ex)", "Canada (CSA EP)", "USA (NFPA70 -NEC)", "Russia (TRTS)" or "Other- Specify below".
- *10: **Remote Control Types** include "Hardwired", "Analogue", "Pakscan", "Foundation Fieldbus", "HART", "Profibus", "DeviceNet" or "Modbus"
- *11: **Actuator Type** options include "Rack & Pinion (Spring Return)", "Rack & Pinion (Double Acting)", "Scotch Yoke (Spring Return)" or "Scotch Yoke (Double Acting)"
- *12: **Fail Mode: Power supply/ ESD Signal** options include "Fail Close", "Fail Open" and "Fail in position"
- *13: **Manual Override** options include "None", "Jackscrew", "Jackscrew with Handwheel", "Gearbox" or "Hydraulic Pump"
- *14: **Position Feedback** options include "2 x SPDT Limit Switches", "4 x SPDT Limit Switches", "2 x SPDT Magnetic Proximity Switches", "4 x SPDT Magnetic Proximity Switches", "2 x Proximity Sensors" or "4 x Proximity Sensors"
- *15: **Network Card** options include "None", "Pakscan", "Profibus", "Modbus", "Foundation Fieldbus" and "Hart"
- *16: **Accumulator Type** options include "Bladder Type" and "Piston Type"
- *17: **Actuator Type** options include "Piston (Spring Return)", "Piston (Double Acting)", "Vane (Spring Return)", "Vane (Double Acting)", "Rack & Pinion (Spring Return)", "Rack & Pinion (Double Acting)", "Scotch Yoke (Spring Return)", "Scotch Yoke (Double Acting)", "Gas Over Oil (GO, Double Acting)" or "Direct Gas (HPG, Double Acting)"
- *18: **Supply Fluid** options include "Instrument Air", "Gas", "Nitrogen" or "Oil"
- *19: **Torque / Thrust figure abbreviations:**

BTO – Break To Open	BTC – Break To Close
RTO – Run To Open	RTC – Run To Close
ETO – End To Open	ETC – End To Close