



Flow-Quip, Inc.
 7440 E. 46th Place.
 Tulsa, Oklahoma 74145-6303
 U.S.A.
 918-663-3313
 918-663-9034 fax

APPLICATION QUESTIONNAIRE

Date:	Tag No.	Spec. No.
Customer:	Engineer:	
Contact Name:	Destination:	
End User:	ACTUATOR DATA	
Address:	<i>SERVICE / CONTROL SIGNAL</i>	
Phone:	Fax:	On/Off (Open/Close) <input type="checkbox"/>
E-Mail:	Control Signal: 24 VDC 120 VAC Dry Contact	
Date Quote Required:	Modulating <input type="checkbox"/> Frequency of operation = _____	
<i>INQUIRY TYPE</i>	Modulating Duty Cycle: 25% _____ 50% _____ 75% _____ 100% _____	
Firm Quote <input type="checkbox"/>	Eng. Estimate <input type="checkbox"/>	Input Signal 4-20ma _____ 20-4ma _____ 1-5VDC _____
VALVE / DRIVEN EQUIPMENT DATA		
Qty:	Size:	2-10VDC _____ 0-10VDC _____ Other: _____
Brand/Mfr:	Output Signal 4-20ma _____ 20-4ma _____ 1-5VDC _____	
Rotary 90° <input type="checkbox"/> Damper <input type="checkbox"/>	2-10VDC _____ 0-10VDC _____ Other: _____	
Ball <input type="checkbox"/> Plug <input type="checkbox"/> Globe <input type="checkbox"/> Butterfly <input type="checkbox"/>	<i>LIMIT SWITCHES</i>	
Linear Through Conduit Gate Valve <input type="checkbox"/>	Limit Switches 2-SPDT <input type="checkbox"/> 4-SPDT <input type="checkbox"/>	
Wedge Gate Valve <input type="checkbox"/> Orbit Ball Valve <input type="checkbox"/>	2-DPDT <input type="checkbox"/> Other: _____	
Globe Valve <input type="checkbox"/> Travel/Stroke = _____ in or mm	<i>OPERATING SPEED RANGE</i>	
Class _____ ANSI: _____	Opening time sec. _____ Adjustable <input type="checkbox"/>	
AWWA: _____ Max. DP: _____	Closing time sec. _____ Adjustable <input type="checkbox"/>	
<i>OPERATION</i>	<i>ACTUATOR ELECTRICAL CONTROLS</i>	
Double Acting <input type="checkbox"/> Spring Return <input type="checkbox"/>	Self-Contained <input type="checkbox"/> Remote Mounted <input type="checkbox"/>	
Accumulator Return <input type="checkbox"/>	Electrical Classification = _____	
<i>STORED ENERGY</i>	<i>AMBIENT CONDITIONS</i>	
Note: Double acting stored strokes in a row, if required, with no electricity (Open to Close = 1 stroke). Strokes = _____	Temp. Min _____ Max _____ °F or °C	
<i>VALVE DIRECTION OF OPERATION</i>	Blowing sand <input type="checkbox"/> Jungle <input type="checkbox"/> Offshore/Marine <input type="checkbox"/>	
Clockwise to Close <input type="checkbox"/> Clockwise to Open <input type="checkbox"/>	Corrosive Atm type: _____	
Stem Extend to Close <input type="checkbox"/> Stem Extend to Open <input type="checkbox"/>	<i>ELECTRICAL POWER AVAILABLE</i>	
<i>VALVE PROVIDED BY</i>	Volts AC 1 phase _____ Hz	
Flow-Quip <input type="checkbox"/> Customer <input type="checkbox"/>	Volts AC 3 phase _____ Hz	
Existing in Field <input type="checkbox"/> Note: please provide Top works drawing or Ser # if existing in Field. S.N. _____	Volts DC _____ DC amps available	
<i>TORQUE / THRUST</i>	Solar Power by Flow-Quip <input type="checkbox"/> Customer <input type="checkbox"/>	
Rotary Torque _____ Unit _____	Hours of Sun light / day = _____	
Linear Thrust _____ Unit _____	Battery Backup Yes <input type="checkbox"/> No <input type="checkbox"/>	
<i>FAIL POSITION</i>	Days of battery Autonomy: _____	
Open <input type="checkbox"/> Close <input type="checkbox"/> Fail in Place <input type="checkbox"/>	<i>MANUAL OVERRIDE</i>	
<i>FAILURE MODE</i>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
Fail position on: Loss of control signal <input type="checkbox"/>	<i>ACTUATOR ELECTRICAL CLASSIFICATION</i>	
Loss of power <input type="checkbox"/> Other: _____	NEMA 4 Weatherproof <input type="checkbox"/> NEMA 4X Corrosion <input type="checkbox"/>	
	Explosion Proof	
	CL 1 DIV 1 GP D <input type="checkbox"/> CL1 DIV 2 GP D <input type="checkbox"/>	
	Other: _____	

ACCESSORIES			
Open/Close/Remote selector switch	<input type="checkbox"/>	4-20ma Battery voltage signal	<input type="checkbox"/>
Valve Reset (must be pressed before re-opening of valve)	<input type="checkbox"/>	4-20ma Solar cell voltage signal	<input type="checkbox"/>
Low Hydraulic Fluid Level Alarm	<input type="checkbox"/>	Low Hydraulic Pressure Alarm	<input type="checkbox"/>
Lockable Selector Switches	<input type="checkbox"/>	Power Failure Alarm	<input type="checkbox"/>
Other:			