

**CONTROL VALVE
INSTRUMENT SPECIFICATION**

	Proj.Doc.No.	Discipline Doc.No.	Rev.
LPEC's	413091D1267	50-00/R701	
Client's			
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LUOYANG PETROCHEMICAL
ENGINEERING CORP./SINOPEC

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1. Accuracy of the flow control loop = 1.0% maximum - linear characteristic required.
2. Maximum time to open and close the valve from 0% to 100% =15 seconds.
3. Intelligent valve controller with embedded lifecycle diagnostics include static and dynamic deviation trend, actuators load trends, valve diamond, real predictive maintenance based lifecycle diagnostic shall be foreseen.
4. Field Device Management software (FDT/DTM technology base) with condition monitoring shall be foreseen
5. Valve datasheet and characteristic curve (cv/opening) to be submitted to AXENS for approval.