








PROJECT: PP-PE PILOT PLANT		 شرکت ملی صنایع پتروشیمی شرکت پژوهش و فناوری پتروشیمی	
TITLE: INSPECTION & TEST PLAN FOR CONTROL VALVE			
<h1>INSPECTION &amp; TEST PLAN FOR CONTROL VALVE</h1>			
CONTRACTOR:  شرکت مهندسی فن ایران انرژی رهنما (فار)	LICENSOR: 	Document No.:900-ITP-A4-IN-0009	Rev.: 1
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 شرکت مهندسی فن آوران انرژی رهنا (فنا)		ITP FOR CONTROL VALVE			 شرکت ملی صنایع پتروشیمی شرکت پژوهش و فناوری پتروشیمی		Doc. No. : 900-ITP-A4-IN-0009 Rev. : 1 Page 1 Of 1
					ABBREVIATION ON TYPE OF INSPECTION H: Hold Point, inspection notification required. During hold point inspection, the witness will be performed. The Vendor shall not proceed with the work until presence of the inspector or written consent of the inspector. W: Inspection activities performed by the Vendor and witnessed by the inspector. Inspection notification required. If the Inspector is not present, the Vendor may perform the inspection/tests as scheduled unless otherwise requested. S: Witness, but spot check basis, inspection notification required. Initial operation will be witnessed and subsequent operation will be witnessed at discretion of the inspector considering the results of previous inspection unless otherwise inspection % specified. R: Review of inspection records and/or specified document M: Vendor's inspection and tests      X: Required		
1. Inspection/Tests by the OWNER 2. Inspection/Tests by Purchaser and/or Purchaser's Representative 3. Inspection/Tests to be Performed by Vendor as a Minimum 4. Certificate/Data to be Provided by Vendor							
No.					Inspection/Test Items	Procedure & Standards	Remarks
01	R	W	M		(Pneumatic type control valve.)		
02	R	S	M	X	Visual inspection	Approved procedure and drawings	
03	R	W	M	X	Dimensional inspection	Approved procedure and drawings	
04	W	H	M	X	Material identifications against material certificates	Approved procedure and drawings	
					Checking of characteristics including the following items as minimum:	Approved procedure and drawings	
					1)Body, seat, stem, packing, accessories and actuator		
					2)Check of material certificates for body, trim, seat, plug, disc or ball, bolting, gasket/packing		
05	R	R	M	X	Non-destructive examination, when specified	Approved procedure and drawings	
06	R	W	M	X	Pressure test of body(Note: Witness for body class 300 and larger)	Approved procedure and drawings	
07	R	W	M	X	Pneumatic test, when specified	Approved procedure and drawings	
08	R	W	M	X	Seat leakage test	Approved procedure and drawings	
09	R	W	M	X	Calibration test	Approved procedure and drawings	
10	H	H	M	X	Performance/functional test	Approved procedure and drawings	
11	R	W	M	X	Stroke test	Approved procedure and drawings	
12	R	W	M	X	Air failure test	Approved procedure and drawings	
13	R	W	M	X	Linearity and accuracy check	Approved procedure and drawings	
14	R	W	M	X	Response and stabilization time	Approved procedure and drawings	
15	R	W	M	X	Check the interoperability test certificate for hart protocol	Approved procedure and drawings	
16	R	S	M	X	Insulation resistance test	Approved procedure and drawings	
17	R	S	M	X	High voltage test	Approved procedure and drawings	
18	H	H	M		Preparation for shipment	Approved procedure and drawings	
19	R	R	M	X	Documentation review prior to release	Approved procedure and drawings	
20	R	W	M	X	( Self-acting control valve)		
21	R	S	M		Visual inspection including connection check	Approved procedure and drawings	
22	R	R	M	X	Dimensional inspection	Approved procedure and drawings	
23	R	R	M	X	Check of material certificat for body and trim	Approved procedure and drawings	
24	R	S	M	X	Non-destructive examination, when specified	Approved procedure and drawings	
25	W	H	M	X	Pressure and tightness test	Approved procedure and drawings	
26	H	H	M		Performance test including open/close check	Approved procedure and drawings	
27	R	R	M	X	Preparation for shipment	Approved procedure and drawings	
					Documentation review prior to release	Approved procedure and drawings	
Note: Percent of witness for type "S" shall be depend on the quantity as follows: 3 to 20 --3(all if total 2 and less), 20 to 40--5, 50 to 100--10, 100 to 200--15, 200 to 300--20, 300 to 500--25. For another type, percent of witness inspection shall be 100%.							