

CONTROL VALVE DATA SHEET

Company: Your Company Name / Logo

Doc no: Rev:

Yellow cells: enter data. Grey cells: calculated automatically. Free template from instrumentationblog.in

Document

Project		Revision	
Date		Requisition no	

Specification

No	Parameter	Value	Unit / notes
General			
1	Tag number		
2	Service		
3	Line number / size / schedule		
4	P&ID number		
Process conditions			
5	Fluid		
6	Flow rate (minimum / normal / maximum)		
7	Inlet pressure (min / normal / max)		
8	Pressure drop at normal flow		
9	Temperature		
10	Specific gravity / density		
11	Vapour pressure		
12	Required Cv at maximum flow		
13	Required Cv at normal flow		
14	Required Cv at minimum flow		
Valve body and trim			
15	Body type		
16	Body size / port size		
17	Rating and end connection		
18	Body material		
19	Trim material		
20	Flow characteristic		
21	Rated Cv		
22	Cv ratio at maximum flow (calculated)		
23	Cv ratio at minimum flow (calculated)		
24	Seat leakage class		
25	Packing		
Actuator and accessories			
26	Actuator type		
27	Fail action		
28	Air supply		
29	Positioner		
30	Solenoid valve		
31	Limit switches		
32	Air filter regulator		

Cv ratio = required Cv ÷ rated Cv. Below about 0.85 at maximum flow keeps control margin; above about 0.1 at minimum flow keeps the valve off its seat for good control.

Prepared by	Checked by	Approved by
Name:	Name:	Name:
Signature:	Signature:	Signature:
Date:	Date:	Date: