

Please complete the form to define the project and operating parameters. Include as much information as possible. Shaded areas are required.

CUSTOMER			PHONE		
CONTACT PERSON			EMAIL		
PROJECT REFERENCE		DELIVERY REQUIRED		DRAWING APPROVAL	
LINE SIZE		BODY MATERIAL		FLANGE CLASS DRILLING	
PIPE SCH.					
MODEL		SLEEVE MATERIAL		FLOW MEDIUM (describe):	
FLOW DATA		MINIMUM FLOW TO BE CONTROLLED	NORMAL FLOW TO BE CONTROLLED	MAXIMUM FLOW TO BE CONTROLLED	SHUTOFF <input type="checkbox"/> YES <input type="checkbox"/> NO
Q (Flow Rate in U.S. GPM)					ANSI/FCI LEAKAGE CLASS According to ANSI/FCI Spec 70-2. The information on classifications can be found on next page.
P1 (Inlet Pressure at Controlled Flow Rate) psig					
P2 (Outlet Pressure at Controlled Flow Rate) psig					
SPECIFIC GRAVITY					
INLET TEMPERATURE (°F)					
Cv (Flow Coeff.)					
ΔP MAX (calculated)					
MAX ALLOWABLE APPROACH VELOCITY (fps)					
SLEEVE STYLE					
ACTUATOR		TYPE		FUNCTION	
TYPE SPECIFICATION			AIR TO:		
Plant Air Supply: _____ psi min.			AIR FAILS, VALVE TO:		
Voltage: _____ V Frequency: _____ Hz Phase: _____					
Hydraulic Pressure: _____ psi min.					

Please use separate form for each control valve.

PREPARED BY: _____

DATE: _____

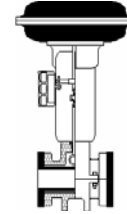
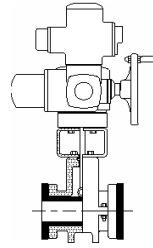
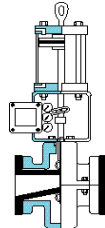
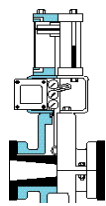
CUSTOMER APPROVAL: _____

DATE: _____

05 May 2017

Control Valve Styles

Click on Valve Photos to View Data Sheets



**BODY
STYLE**

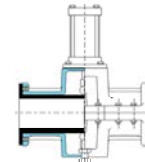
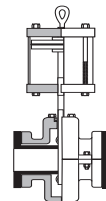
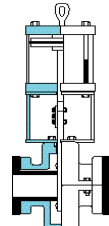
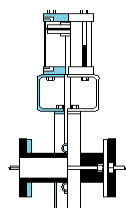
Series 5200

Series 5200 D-Port

**Series 5200E
Electrically Actuated**

**Series 5200
Diaphragm Actuated**

Sizes	1" - 4"	6" - 48"	1" - 48"	1" - 3"
Flange Drilling	ANSI B16.1 Class 125 ANSI B16.5 Class 150	ANSI B16.1 Class 125 ANSI B16.5 Class 150	ANSI B16.1 Class 125 ANSI B16.5 Class 150	ANSI B16.1 Class 125 ANSI B16.5 Class 150
Body Materials	Ductile Iron A536-65-45-12	Ductile Iron A536-65-45-12	Ductile Iron A536-65-45-12	Ductile Iron A536-65-45-12
Class of Shutoff*	Class V	Class V	Class V	Class V
Actuator	ATO/ATC ATO/FCS ATC/FOS	ATO/ATC ATO/FCS ATC/FOS	Pneumatic Hydraulic Electric Modulating	ATO/ATC ATO/FCS ATC/FOS
Cv	Pre-pinchd	Pre-pinchd	Pre-pinchd	Pre-pinchd



**BODY
STYLE**

Series 5300

Series 5400

Series 5700

Series 9000

Sizes	2" - 48"	4" - 48"	2" - 48"	1" - 12"
Flange Drilling	ANSI B16.1 Class 125 ANSI B16.5 Class 150	ANSI B16.1 Class 125 ANSI B16.5 Class 150	ANSI B16.1 Class 125 ANSI B16.5 Class 150	ANSI B16.1 Class 125 ANSI B16.5 Class 150
Body Materials	Steel, fabricated Stainless Steel fabricated	Ductile Iron A536-65-45-12	Ductile Iron A536-65-45-12	Ductile Iron A536-65-45-12
Class of Shutoff*	Class V	Class V	Class V	Class IV
Actuator	Pneumatic Hydraulic Electric Modulating	Pneumatic Hydraulic Electric	Pneumatic Hydraulic Electric Modulating	Manual Hydraulic Electric Modulating
Cv	Pre-pinchd	Centerline pinch	Centerline pinch	Pre-pinchd

* See following page for leakage class information

Leakage Class	Maximum Seat Leakage	Test Medium	Test Pressure	Test Procedure
I	---	---	---	By agreement between user and seller, no test required
II	0.5% of rated capacity	Air or water at 50-125 °F (10-51 °C)	45-60 psig or max operating differential, whichever is lower	Type A
III	0.1% of rated capacity	Air or water at 50-125 °F (10-51 °C)	45-60 psig or max operating differential, whichever is lower	Type A
IV	0.01% of rated capacity	Air or water at 50-125 °F (10-51 °C)	45-60 psig or max operating differential, whichever is lower	Type A
V	0.0005 ml per minute of water per inch of port diameter per psi differential	Water at 50-125 °F (10-51 °C)	Max service pressure drop across valve plug; not to exceed ANSI body rating	Type B
VI	Not to exceed amounts in Table 2	Air or nitrogen at 50-125 °F (10-51 °C)	50 psig or max rated differential pressure across valve plug, whichever is lower	Type C

- Type A: Leakage flow and pressure data accurate to +/- 10% of reading; pressure applied to valve inlet with outlet open to atmosphere or connected to low head loss measuring device; full normal closing thrust from actuator
- Type B: Leakage flow and pressure data accurate to +/- 10% of reading after letting leakage flow stabilize; pressure applied to valve inlet after filling entire body cavity and connected plumbing and stroking valve plug closed; net actuator thrust to be specified max;
- Type C: Pressure applied to inlet with outlet connected to suitable measuring device; actuator adjusted to operating conditions specified with full normal closing thrust; allow sufficient time for leakage flow to stabilize

Nominal Seat Diameter Millimeters (Inches)	ml per Minute	Bubbles per Minute
	≤ 25 (≤ 1)	0.15
38 (1.5)	0.30	2
51 (2)	0.45	3
64 (2.5)	0.60	4
76 (3)	0.90	6
102 (4)	1.70	11
152 (6)	4.00	27
203 (8)	6.75	45
250 (10)	11.1	---
300 (12)	16.0	---
350 (14)	21.6	---
400 (16)	28.4	---