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Plum Brook Station Reference

Control Valve Reference

Approved by Plum Brook Management Office/7030:

**NASA - Glenn Research Center
Cleveland, OH 44135**

Glenn Research Center Plum Brook Station Reference	Title: Control Valves Reference	

Procedure Owner: Plum Brook Management Office
Point of Contact: Dale Hauck (419-621-3349)

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1.0 INTRODUCTION

This document outlines the reference material to be used in sizing and specifying control valves for use in testing.

1.1 Purpose

To provide a starting point for the Plum Brook Engineering Staff to undertake the task of specifying and sizing of control valves.

1.2 Scope

This document covers all test sites and Engineering disciplines as applicable.

2.0 REFERENCES

2.1 Applicable Documents

Document Number	Document Title
ISBN: 1-55617-640-6-Q	Control Valve Primer, ISA Publication
ISA Standards	
S75.01	Flow Equations for Sizing Control Valves
S75.02	Control Valve Capacity Test Procedure
S75.03	Face-to-Face Dimensions for Integral Flanged Globe-Style Control Valve Bodies
S75.04	Face-to-Face Dimensions for Flangeless Control Valves
S75.05	Control Valve Terminology
S75.07	Laboratory Measurement of Aerodynamic Noise Generated by Control Valves
S75.08	Installed Face-to-Face Dimensions for Flanged Clamp or Pinch Valves
S75.11	Inherent Flow Characteristics and Rangeability of Control Valves
S75.12	Face-to-Face Dimensions for Socket Weld-End and Screwed-End Globe Style Control Valves ANSI Classes 150, 300, 600, 900, 1500 and 2500
S75.13	Method of Evaluation the Performance of Positioners and Analog Input Signals and Pneumatic Output
S75.14	Face-to-Face Dimensions for Buttweld-End Globe-Style Control Valves
S75.15	Face-to-Face Dimensions for Buttweld-End Globe-Style Control Valves ANSI Classes 150, 300, 600, 900, 1500 and 2500
S75.16	Face-to-Face Dimensions for Flanged Globe-Style Control Valve Bodies ANSI Classes 900, 1500 and 2500
S75.17	Control Valve Aerodynamic Noise Reduction
S75.19	Hydrostatic Testing of Control Valves

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S75.20	Face-to-Face Dimensions for Separable Flanged Globe-Style Control Valves ANSI Classes 150, 300 and 600
S75.21	Process Data Presentations for Control Valves
S75.22	Face-to-Centerline Dimensions for Flanged Globe-Style Angle Control Valve Bodies ANSI Classes 150, 300 and 600
S75.23	Considerations for Evaluating Control Valve Cavitation
OZ1000	“Handbook for Control Valve Sizing”, Masoneilan Corp.
OZ1000 Sup.	Supplement to “Handbook for Control Valve Sizing”, Masoneilan Corp.