

Fugitive Emission Test Report
ANSI/ISA S93.00.01

Performed for

Guide Valve Limited

www.gvs-vci.com



10 inch Class 300 Ball Valve
with Pneumatic Actuator
Product Code: GVS 10-GB1-300-RF

Project Number: 215087
Test Start Date: June 22, 2015

Performed by

YARMOUTH RESEARCH AND TECHNOLOGY, LLC

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Fugitive Emission Test Data Sheet

Customer: Guide Valve Limited	
Project #: 215087	Start Date: 22-Jun-15
Product Description: 10 inch Class 300 Ball Valve with Pneumatic Actuator	
Product Code: GVS 10-GB1-300-RF-22/24/27/99	
Sample Supplied by: Customer	
Packing Nut Torque: 17 N.m	

Test Conditions

Test Standard: ANSI/ISA S93-1999
Test Media: 99% min. Methane
Mounting Position: Stem and Bore Horizontal
Leakage Device: Baseline
Cycling Rate: 1 cycle per 30 seconds

Results

Valve Classification					
Test	Pressure	Max. Leak	Mechanical	Thermal	# of
Temp-F	Rating- Class	Rate-PPMv	Cycles	Cycles	Adjustments
350	300	100	3000	3	0

Does the Valve Meet the Requirements of the Stated Classification?	PASS
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Notes:

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Witnessed:



Matthew J. Wasielewski, PE
President and Manager
Yarmouth Research and Technology, LLC



Yarmouth Research and Technology, LLC

Test Data Summary - Stem Seal

Cycle Number	Nom. Temp (deg F)	Stem Leakage - PPMv		Packing Retorque See Notes
		Avg.	Max.	
10	70	1	1	
125	70	1	1	
250	350	1	1	
750	350	2	2	
875	70	1	2	
1000	70	3	4	
1125	70	2	3	
1250	350	1	3	
1750	350	1	2	
1875	70	5	7	
2000	70	6	11	
2125	70	4	5	
2250	350	7	8	
2750	350	1	1	
2875	70	2	3	
3000	70	15	19	
Maximum Allowable:		100	100	

Packing Retorque Notes:

Adjustment Number	Cycle Number	Nom. Temp. (deg C)	Before Adjustment Nut Torque (ft-lb)	After Adjustment Nut Torque (ft-lb)

Test Data Summary - Bonnet Seal

Cycle Number	Nom. Temp (deg F)	Leakage - PPMv	
		Avg.	Max.
0	70	1	1
3000	70	4	5
Maximum Allowable:		100	100