

**Fugitive Emission Test Report**  
**ANSI/ISA S93.00.01**

*Performed for*

**Guide Valve Limited**

[www.gvs-vci.com](http://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*

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**YARMOUTH RESEARCH AND TECHNOLOGY, LLC**

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# Yarmouth Research and Technology, LLC

## Fugitive Emission Test Data Sheet

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

### Test Conditions

<b>Test Standard:</b> ANSI/ISA S93-1999
<b>Test Media:</b> 99% min. Methane
<b>Mounting Position:</b> Stem and Bore Horizontal
<b>Leakage Device:</b> Baseline
<b>Cycling Rate:</b> 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

<b>Does the Valve Meet the Requirements of the Stated Classification?</b>	<b>PASS</b>
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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

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### Test Data Summary - Stem Seal

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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	

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### *Packing Retorque Notes:*

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

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### Test Data Summary - Bonnet Seal

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