TEADIT®

Sealing for a Safer and Greener Tomorrow

Empaquetaduras de Fibra de Grafito

TEADIT
Sealing for a Safer and Greener Tomorrow

TEADIT® 2236

Grafito Flexible HT / Níquel Cromo / Lubricante especial

- Hilo de Grafito Flexible HT con malla de Níquel-Cromo
- Empaquetadura para el sellado de **válvulas de bloqueo con control extremo de emisiones fugitivas**

Límites de Servicio

min / máx (°C)	máx (bar)	pH
-240 / 455	450	0 - 14

APROBACIONES TEADIT® 2236

API 622

United Valve
The Valve Service Specialists

API 622 Testing Summary

(Fugitive Emission Section Only)

Customer:	Work order: 113460
Teadit N.A, Inc.	Start date: 3-5-21
10545 Red Bluff Rd	End date: 3-12-21
Pasadena, TX 77507	

Packing Information

Packing Description	Teadit 2236
Packing Set	5 ring braided graphite
Packing Cross Section	¼"
Test Fixture	Linear Actuated API 622 Test Fixture

Testing Information

Maximum Allowable Leakage	100	PPM
Test Pressure (Ambient)	600	PSIG
Test Pressure (500°F)	600	PSIG
Test Media	99%	Methane
Recommended Nut Torque	25.8	Ft-Lbs
Tested Stem Travel Per Stroke	4	Inches
Stroke Time	22	Seconds per Stroke
Cycle Time	45	Seconds per Cycle
Packing Selection:	By: Teadit On: 3-5-21	

Results

Number Mechanical Cycles Required	1510
Number Mechanical Cycles Completed	1510
Number Thermal Cycles Required	5
Number Thermal Cycles Completed	5
Packing Adjustments Allowed	0
Status	Pass

Stem Seal Leakage (PPMv)		Gland Torque (Ft-Lbs)	
Avg.	Max.	Avg.	Max
0.48	2	20.4	25.8

Límite para aprobación:
< 100 PPMv

Resultados:
Promedio: 0,48 PPMv
Máx: 2,0 PPMv

ChevronTexaco - FE

Fugitive Emission Test Report

ChevronTexaco Test Standard

Performed for

Teadit North America

www.teadit.com

Teadit Style 2236 Braided Graphite Packing

Project Number: 210202
Start Date: November 1, 2010

Performed by

YARMOUTH RESEARCH AND TECHNOLOGY, LLC

434 Walnut Hill Road
North Yarmouth, ME 04097 USA
(207) 829-5359
info@yarmouthresearch.com
www.yarmouthresearch.com

10 ciclos térmicos
5.000 ciclos mecánicos

Resultado:
<20 PPMv

TEADIT
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APROBACIONES TEADIT® 2236

ISO 15848

BUREAU VERITAS

Fugitive emission certificate

Bureau Veritas Italia S.p.A. certifies that the tests performed on valve:

GLOBE CONTROL VALVES
Type CV-8400

Valve size: *NPS 3 Class 600*
Serial Number: 1201199
Body sealing system: *Graphite with 316L tanged insert*
Stem sealing system: *Braided flexible graphite with Inconel wire reinforcement*
Stem diameter: *18 mm*

Manufactured by: **A.S.T. S.p.A. via Merendi, 40 20010 Cornaredo Italy**

Tested at A.S.T. S.p.A. facility, fulfils the requirements of ISO 15848-1 under the following test conditions:
Method: *Vacuum method for stem, sniffing method for body seal*
Fluid: *Pure Helium*
Pressure: *100/69 bar g*
Temperature: *room / +400°C*
Tightness class: *A*
Endurance class: *CC3 (100.000 cycles)*
Number of thermal cycles: *4*
Number of stem seal adjustments: *none*

In accordance with detailed test report N° FET001, the globe control valves type CV-8400 that meets the ISO 15848-1 chapter 8 requirements may be marked as:

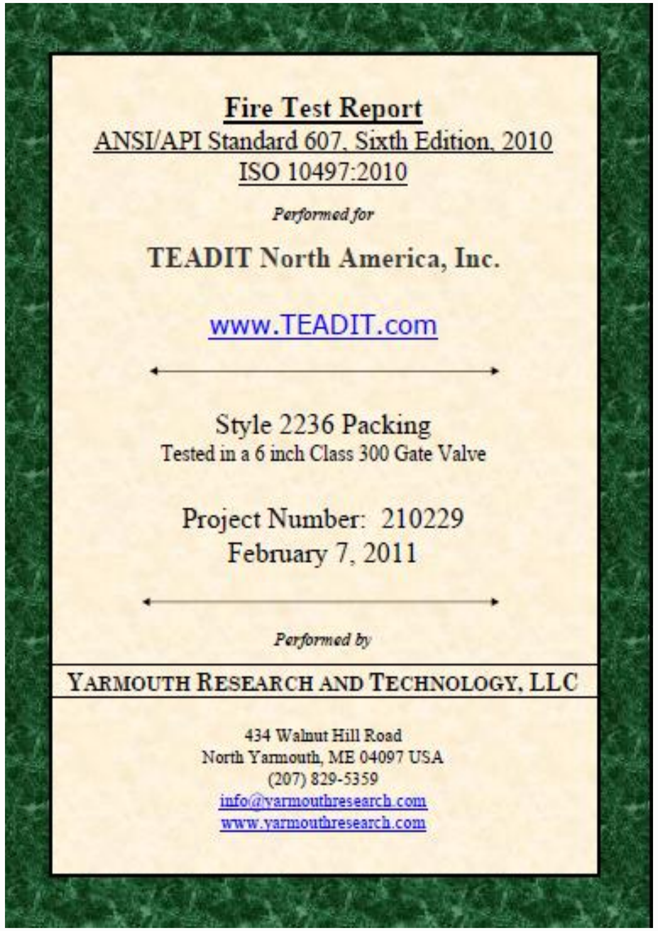
ISO FE AH – CC3 – SSA0 – t400°C – CL600– ISO 15848-1

At Milan,
Paolo
Bureau Veritas Italia

Válvula de control
4 ciclos térmicos
100.000 ciclos mecánicos

Resultados:
<10^{-4} mg/s.m

API 607



Fire Test Report
ANSI/API Standard 607, Sixth Edition, 2010
ISO 10497:2010

Performed for

TEADIT North America, Inc.

www.TEADIT.com

Style 2236 Packing
Tested in a 6 inch Class 300 Gate Valve

Project Number: 210229
February 7, 2011

Performed by

YARMOUTH RESEARCH AND TECHNOLOGY, LLC

434 Walnut Hill Road
North Yarmouth, ME 04097 USA
(207) 829-5359
info@yarmouthresearch.com
www.yarmouthresearch.com

Aprobado en la certificación
Fire Test

TEADIT® 2236

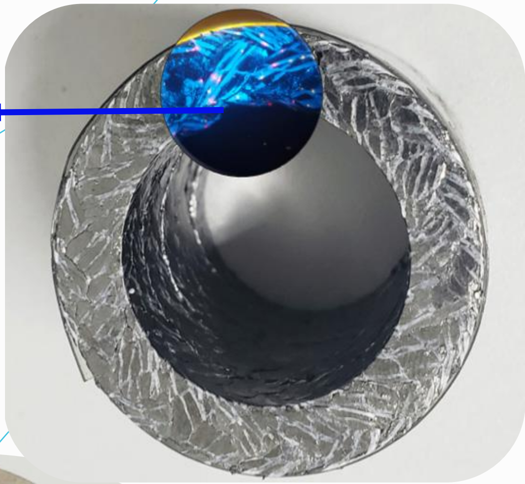
Grafito Flexible HT / Níquel Cromo / Lubricante especial

Válvulas de hidrocarburos – baja emisión

TEADIT® 2848

Grafito Flexible HT / Reforzado com Polímero Estructural

Tags Teadit®



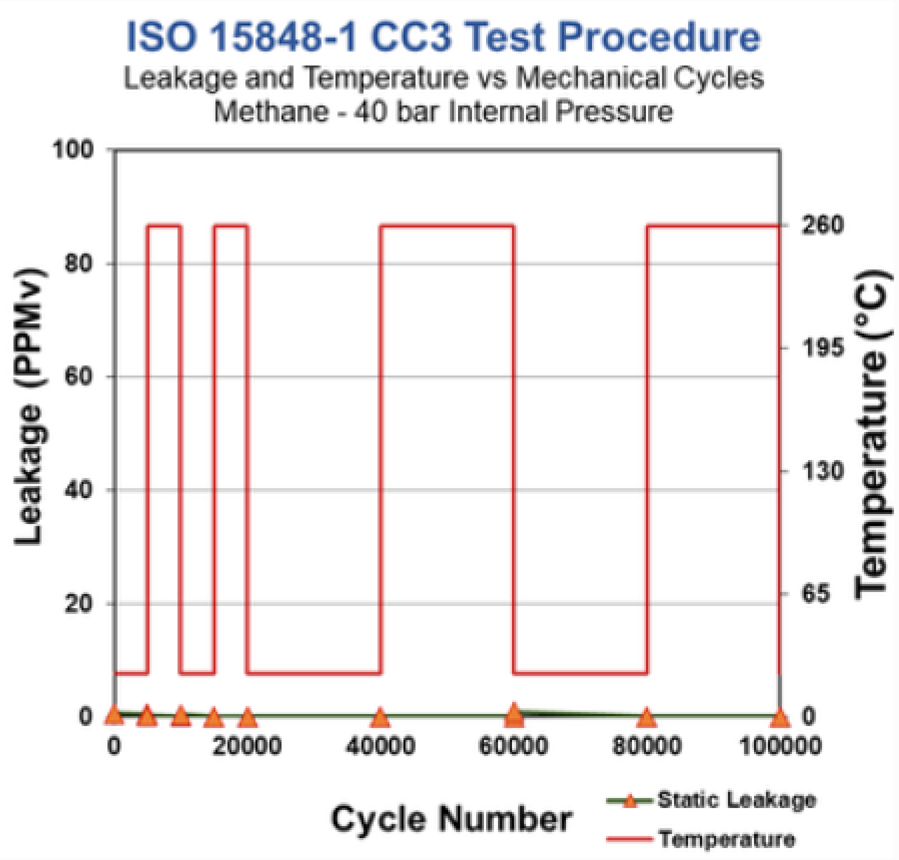
- Para uso en **válvula de control**
- Sin inserción metálica - elimina riesgos en el vástago de la válvula
- Cada hilo es incorporado con **Tags Teadit®**, exclusiva impresión digital
- **Producto patenteado**

Límites de Servicio

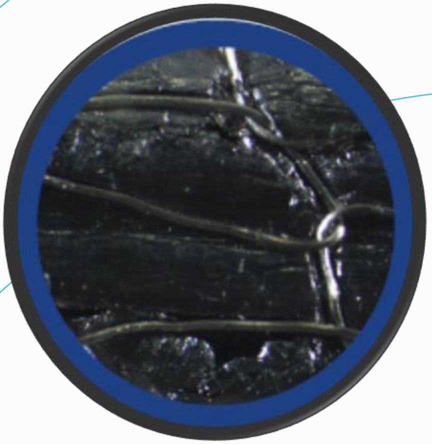
min / máx (°C)	máx (bar)	pH
-240 / 455	255	0 - 14

TEADIT® 2848

Grafito Flexible HT / Reforzado com Polímero Estructural



- Vista cercana de **refuerzo metálico** de otros estilos

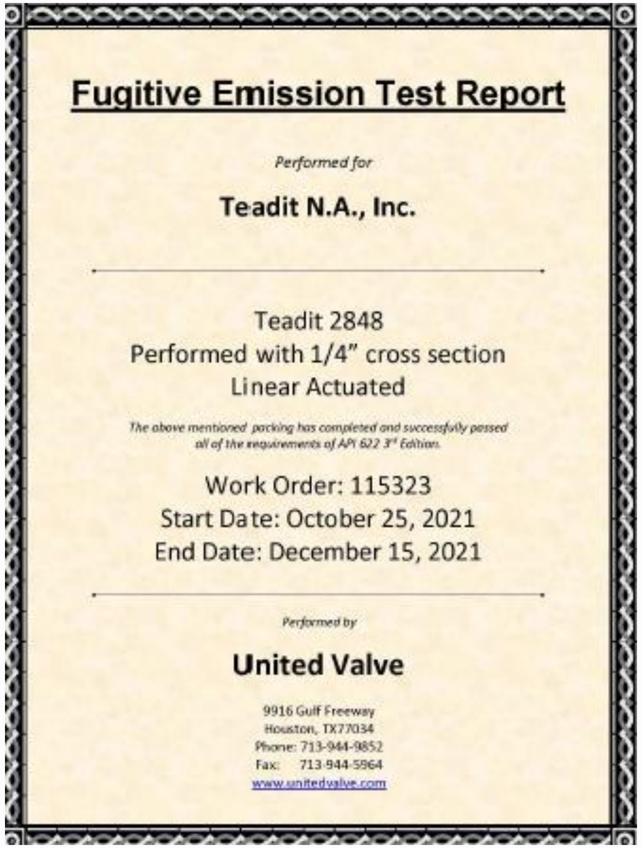


- Vista cercana de nueva **estructura polimérica** de Teadit® 2848

Excelente desempeño en prueba de la ISO 15848-1 CC3

APROBACIONES TEADIT® 2848

API 622



Fugitive Emission Test Report

Performed for

Teadit N.A., Inc.

Teadit 2848
Performed with 1/4" cross section
Linear Actuated

The above mentioned packing has completed and successfully passed all of the requirements of API 622 3rd Edition.

Work Order: 115323
Start Date: October 25, 2021
End Date: December 15, 2021

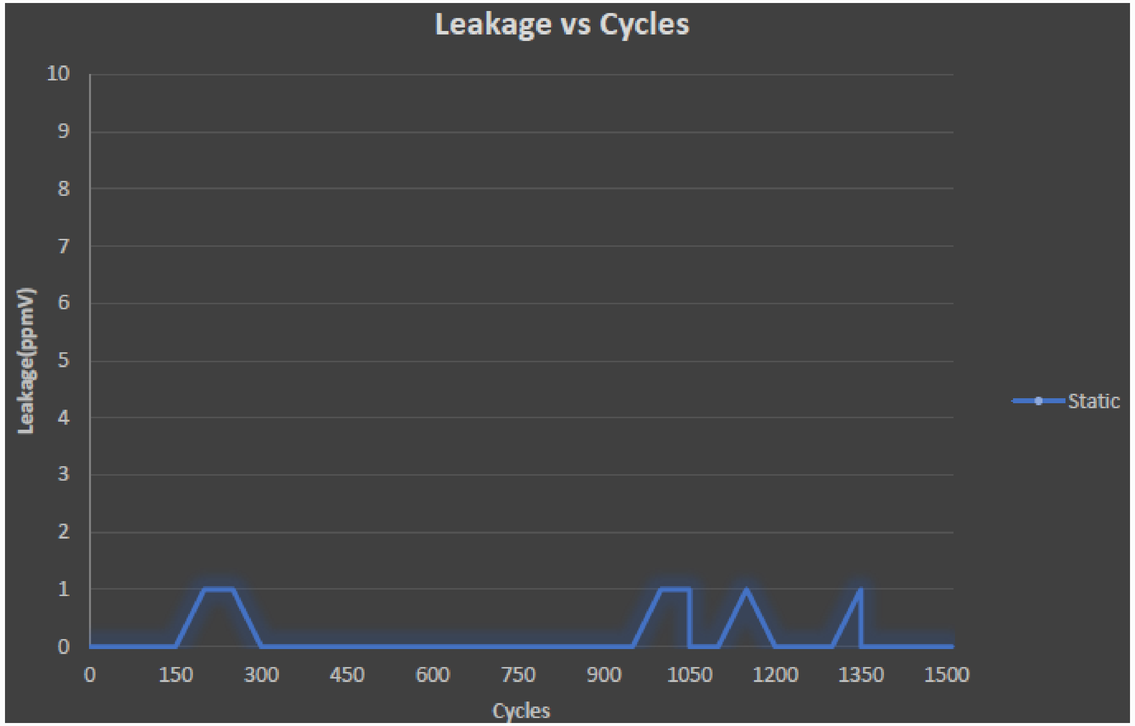
Performed by

United Valve

9916 Gulf Freeway
Houston, TX77034
Phone: 713-944-9852
Fax: 713-944-5964
www.unitedvalve.com

Límite para aprobación:
< 100 PPMv
Resultados:
Media: 0,14 PPMv
Máx: 1,0 PPMv

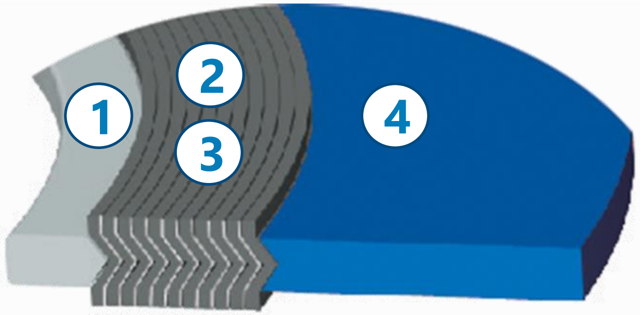
5 ciclos térmicos
1.510 ciclos mecánicos



Juntas Metalflex®

Juntas Espiraladas

Juntas Metalflex®

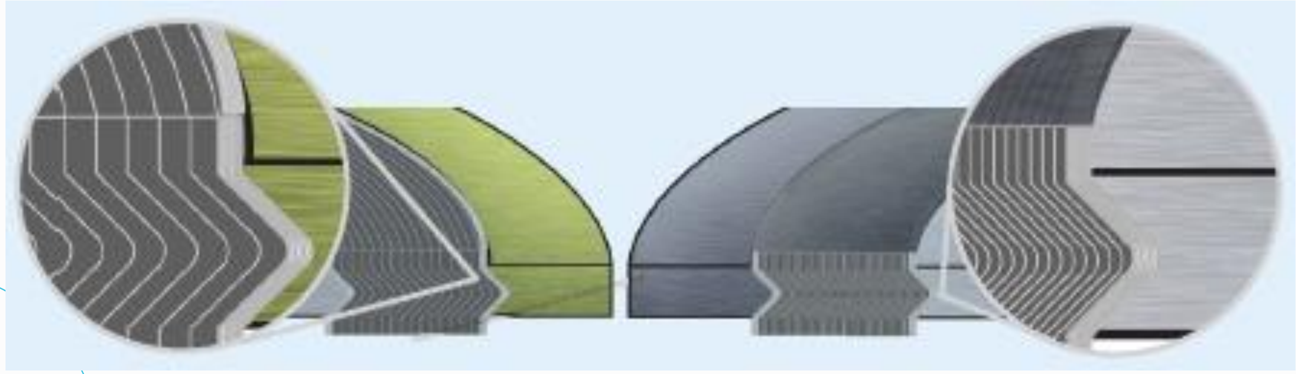


1/2 - Anillo interno y espira	
Inox 304/304L	Patrón Teadit
Inox 316/316L	Ataque químico
Inox 321, Inox 347	Altas temperaturas
Titanio, monel, inconel, níquel	Aplicaciones especiales

3 - Relleno	
Graflex®	Temperatura ≤ 450°C
Graflex® HT	450 °C < Temperatura ≤ 650°C
Micaflex	Temperatura > 650°C
PTFE	Ataque químico

4 - Anillo de centralización	
Acero carbono	Patrón Teadit
Acero inox	Ambiente agresivo

Juntas Metalflex® 913M



Junta Espiralada convencional vs. Tecnología Teadit Metalflex® 913M

APLICACIONES

- Aplicaciones con ciclos térmicos
- Confiabilidad – Altas Presiones
- Sellado – Bajas Emisiones

CARATERÍSTICAS

- Construcción patrón conforme ASME B16.20, EN 1514-2
- Alta densidad del elemento de sellado
- Configuración especial del fleje metálico y material de relleno

Cinta ECOTAPE®

PTFE grafitado

TEADIT
Sealing for a Safer and Greener Tomorrow

ECOTAPE®

Elimina las fugas de fluidos en altas temperaturas en uniones roscadas

- Grafito es incorporado al ePTFE
- Alta resistencia química
- Bajo coeficiente de fricción
- Excelente disipación del calor
- Alta flexibilidad
- Alta resistencia mecánica
- Nivel cero de emisiones fugitivas

Temperatura máxima: 280°C
Franja de pH: 0 - 14

Sealing for a Safer and Greener Tomorrow

GRACIAS

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