



the pressure equipment safety authority

9410 - 20 Ave N.W.
Edmonton, Alberta, Canada T6N 0A4
Tel: (780) 437-9100 / Fax: (780) 437-7787

March 17, 2014

Attention: Mercedes Tootoonchi
GRISWOLD CONTROLS
2803 BARRANCA PARKWAY
IRVINE, CA 92606

The design submission, tracking number 2013-09069, originally received on December 03, 2013 was surveyed and accepted for registration as follows:

CRN :	0F05664.2	Accepted on:	March 17, 2014
Reg Type:	Addition to Acc. Fitting	Expiry Date:	March 17, 2024
Drawing No. :	9281-02 REV. E, (CATALOGUE# F-2723) (RENEWAL) As Noted		
Fitting type:	1 1/2" STAINLESS STEEL HOUSING MAWP=8963KPA@204C		

The registration is conditional on your compliance with the following notes:

- This design has been accepted on the basis of B31.1 applications and shall not be used in any other service (especially low temperature service).
- Materials shall be ASME certified as per the B31.1 standard and all material identification must be retained for reference.

This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form. This registration is valid only until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

Enclosed are stamped prints for your reference.

Sincerely,

RADISAVLJEVIC, ZANA, R.E.T.



**STATUTORY DECLARATION
Registration of Fittings**



I, Robert Powers,

President & CEO

(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)

of Griswold Controls

(name of manufacturer)

located at 2803 Barranca Parkway, Irvine, CA 92606

(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act
(check one)

☒ comply with the requirements of ASME B31.1 which specifies the dimensions,
(title of recognized North American Standard)

materials of construction, pressure/temperature ratings and identification marking of the fittings, or

☐ are not covered by the provisions of a recognized North American standard and are therefore manufactured to
comply with _____ as supported by the attached data which identifies the dimensions,
materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings
for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the
following authority, ISO 9001, 2008 as being suitable for the manufacture of these fittings to the
stated standard. The fittings covered by this declaration, for which I seek registration, are 1-1/2" Stainless Steel Threaded

In support of this application, the following information, calculations and/or test data are attached:

End Series. Specification sheet F-2723F, housing drawing number 9281-02 and calculation sheet.

DECLARED before me at Irvine in the County of Orange

this 6th day of November, 2013
(Month) (Year)

(print) Sylvia P. Morales

(sign) Sylvia P. Morales (see attached Notary Certificate)
(A Commissioner for Oaths)

Robert Powers
(Signature of Applicant)

For Office Use Only * Ins. 9281-02 Rev. E

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard
B51, Clause 4.2, and is accepted for registration in Category F

Registration Number: 0 P 0 5 6 6 4 . 2

Jana P. ZANA HALISAVLJEVIC

Date Registered: MAR 17 2014

(For the Administrator/Chief Inspector of Alberta)

Expiry Date: Mar. 17, 2014

CALIFORNIA JURAT WITH AFFIANT STATEMENT

GOVERNMENT CODE § 8202

- ☒ See Attached Document (Notary to cross out lines 1-6 below)
☐ See Statement Below (Lines 1-6 to be completed only by document signer[s], *not* Notary)

1
2
3
4
5
6

Signature of Document Signer No. 1

Signature of Document Signer No. 2 (if any)

State of California

County of Orange

Subscribed and sworn to (or affirmed) before me

on this 6th day of Nov, 2013,
Date Month Year
 by

(1) Robert Powers,
Name of Signer

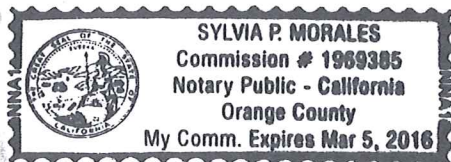
proved to me on the basis of satisfactory evidence
 to be the person who appeared before me (.) (.)

(and

(2) _____,
Name of Signer

proved to me on the basis of satisfactory evidence
 to be the person who appeared before me.)

Signature Sylvia P. Morales
Signature of Notary Public



Place Notary Seal Above

OPTIONAL

*Though the information below is not required by law, it may prove valuable
 to persons relying on the document and could prevent fraudulent removal
 and reattachment of this form to another document.*

Further Description of Any Attached Document

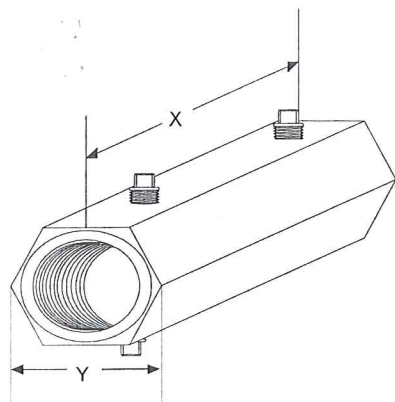
Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

RIGHT THUMBPRINT OF SIGNER #1
Top of thumb here

RIGHT THUMBPRINT OF SIGNER #2
Top of thumb here

**SPECIFICATIONS:**

PSI / Temperature Rating:	1300 PSIG / 400° F (See P/T Limit Chart)
Cartridge:	AISI Type 304 stainless steel AISI Type 17-7 PH stainless steel spring
Body Material:	Type 316 Stainless Steel
Seals:	Viton O-Rings
Body Tappings:	1/4" NPT with Type 316 stainless steel plug ¹

FLOW RATES (+/-5%)

SIZE	MODEL NO.	HEAD LOSS IN FEET ²	PSID RANGE	GPM
1/2", 3/4"	4901	3.5	1.5-14	.33, .50, .67, 1.00, 1.33, 1.67, 2.00, 2.33, 2.67, 3.33, 4.00, 4.67, 5.00
	4902	7.4	3.2-32	.55, .75, 1.00, 1.50, 2.00, 2.50, 3.00, 3.50, 4.00, 5.00, 6.00, 7.00, 8.00
	4904	13.4	5.8-57	.75, 1.00, 1.33, 2.00, 2.67, 3.33, 4.00, 4.67, 5.33, 6.67, 8.00, 9.33, 10.00
	4908	30.0	13-128	1.10, 1.50, 2.00, 3.00, 4.00, 5.00, 6.00, 7.00, 8.00, 10.0, 12.0, 14.0, 16.0
1", 1-1/2"	4901	3.5	1.5-14	3.0, 3.33, 4.00, 4.67, 5.33, 6.00, 6.67, 7.33, 8.00, 8.67, 9.33, 10.00, 10.67, 11.33, 12.00, 12.67, 13.33, 14.00, 14.67
	4902	7.4	3.2-32	4.5, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0, 15.0, 16.0, 17.0, 18.0, 19.0, 20.0, 21.0, 22.0
	4904	13.4	5.8-57	6.00, 6.67, 8.00, 9.33, 10.67, 12.00, 13.33, 14.67, 16.00, 17.33, 18.67, 20.00, 21.33, 22.67, 24.00, 25.33, 26.67, 28.00, 29.33
	4908	30.0	13-128	9.0, 10.0, 12.0, 14.0, 16.0, 18.0, 20.0, 22.0, 24.0, 26.0, 28.0, 30.0, 32.0, 34.0, 36.0, 38.0, 40.0, 42.0, 44.0

DIMENSIONS & WEIGHTS (NOMINAL)

SIZE	MODEL NO.	X LENGTH	Y WIDTH	WEIGHT (LBS.)
1/2"	490_	4.0 ³	1.5	2.0
3/4"		4.0	1.5	1.5
1"		6.1 ⁴	2.5	7.0
1-1/2"		6.1	2.5	6.0

0F05664.2

NOTES¹ All 1/4" plugs will ship loose for installation in the field.² Head Loss in Feet is provided for pump head calculations. (1 PSI = 2.307 Feet of Water)³ Length does not include reducer bushings for 1/2". Bushings will ship loose for installation in the field.⁴ Length does not include reducer bushings for 1". Bushings will ship loose for installation in the field.

Replaces form F-2723E

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10/09
F-2723F

MODEL NUMBER SELECTION⁵

Select a PSID control range

(1=1.5-14, 2=3.2-32, 4=5.8-57, 8=13-128)

Insert "D" for 1/2", "F" for 3/4"

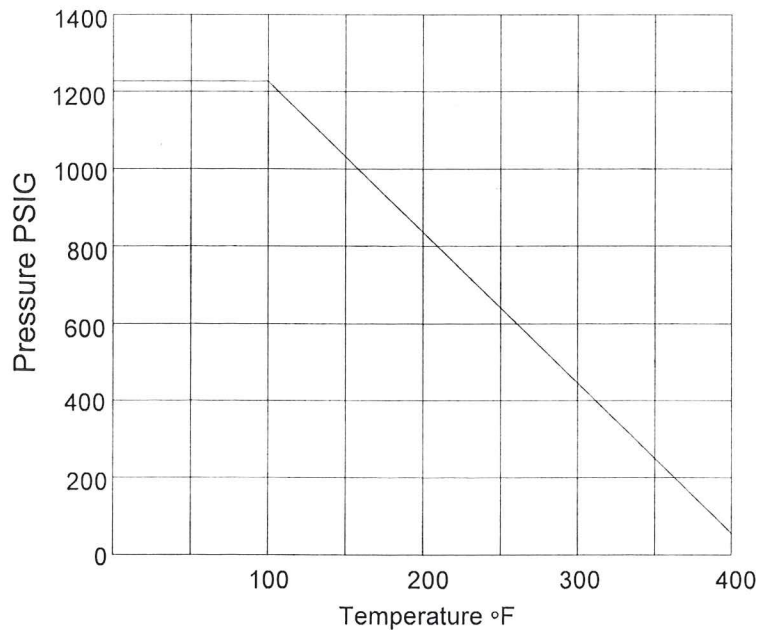
"H" for 1", and "K" for 1-1/2"

4	9	0		

THREADED CFR: PRESSURE & TEMPERATURE LIMITS

This Pressure vs. Temperature chart can be used to determine if specific Griswold Constant Flow Regulator models and mountings are compatible with your application.

Please contact your local Representative or Griswold Controls for pressure and temperature requirements above and below the limits shown.



0 F 0 5 6 6 4 . 2

NOTES

⁵ Model no. and flow rate are indicated on label affixed to body.

Replaces form F-2723E

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10/09
F-2723F

2803 Barranca Parkway, Irvine, CA 92606
(949) 559-6000 Fax (949) 559-6088
www.GriswoldControls.com

**GRISWOLD
CONTROLS**