

Montréal, 30 mai 2025.

CECYLIA GARBACZ
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ONTARIO
CANADA M9W 6N9

Fabricant : AFLEX HOSE LTD.
DYSON WOOD WAY
BRADLEY HUDDERSFIELD
ROYAUME UN HD2 1GZ

Numéro de dossier : 942112

Numéro(s) de dessin(s) : SCOPE OF CRN REGISTRATION - R2121 Rev 0

Objet : Enregistrement des plans et devis – Confirmation de l'enregistrement

Bonjour,

Nous vous informons que votre demande d'enregistrement de plans et devis a été traitée et que cette conception a été enregistrée sous le numéro d'enregistrement canadien (NEC\CRN) suivant : **0D25821.56**.

Nous portons votre attention sur certaines exigences réglementaires concernant les installations sous pression, ainsi que des codes et normes qui y sont associés :

- Le fabricant doit maintenir un programme de contrôle de la qualité valide pour fabriquer un équipement selon ce NEC;
- Ce numéro d'enregistrement demeure valide tant et aussi longtemps que les paramètres de conception demeurent inchangés. Dans le cas d'accessoires, l'enregistrement est valide pour une durée de 10 ans à partir de la date d'enregistrement. Les documents de conception doivent alors être resoumis pour validation;
- Le fabricant doit nous transmettre une copie de la *Déclaration de conformité du constructeur (Manufacturer's Data Report)* pour chaque appareil ou chaudière fabriqué selon ce NEC dans les 30 jours suivant la signature de cette déclaration;
- Le numéro de dessin enregistré et le numéro de révision doivent être indiqués sur la déclaration de conformité pour les équipements fabriqués selon ce NEC.

Le présent avis d'approbation ne dégage pas le fabricant de ses responsabilités quant à la conception ou à la construction des équipements ou d'accessoires fabriqués selon un NEC.

Salutations distinguées,

Direction des équipements sous pression

Montréal

255, boul. Crémazie Est, 2ième étage

Montréal (Québec) H2M 1L5

Téléphone : 514 873-2546

Sans frais : 1 866 262-2084

enregistrementdesplans@rbq.gouv.qc.ca

www.rbq.gouv.qc.ca

Montréal, le 30 mai 2025.

CECYLIA GARBACZ
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ONTARIO
CANADA M9W 6N9

Manufacturer : AFLEX HOSE LTD.
DYSON WOOD WAY
BRADLEY HUDDERSFIELD
ROYAUME UN HD2 1GZ

OUR REFERENCE : 942112
Design number : SCOPE OF CRN REGISTRATION - R2121 Rev 0

Subject: Design registration confirmation

Hi,

We wish to inform you that your design registration application has been evaluated and that it was registered under the following Canadian Registration Number (CRN): **0D25821.56.**

The following is a reminder of your obligations regarding certain requirements of the regulation respecting pressure vessels, and the referenced codes and standards:

- The manufacturer must maintain a valid quality control program to manufacture equipment according to the CRN.
- The CRN remains valid as long as there are no changes to the design calculations that might affect the pressure boundary. The design registration of fittings expires 10 years after acceptance. It must, therefore, be resubmitted for validation.
- The manufacturer shall submit a copy of the *Manufacturer's Data Report* to us for each boiler or pressure vessel manufactured according to this CRN within 30 days following the signing of this report.
- The drawing number and the revision number registered under this CRN must be indicated on the *Manufacturer's Data Report* for equipment manufactured according to the CRN.

This notice of approval does not relieve the manufacturer of their responsibilities with respect to the design or fabrication of equipment manufactured according to this CRN.

Yours sincerely,

Direction des équipements sous pression

Montréal

255, boul. Crémazie Est, 2ième étage
Montréal (Québec) H2M 1L5
Téléphone : 514 873-2546
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www.rbq.gouv.qc.ca

Statutory Declaration Registration of Fittings

Building Act (B-1.1)
Regulation respecting pressure vessels (B-1.1, r. 6.1)
Boiler, pressure vessel, and pressure piping code (CSA B51)

This declaration must be filled out and sent to the Régie du bâtiment du Québec (RBQ) by pressure fitting manufacturers when they make an application registration for fittings.

For more information on the application registration for fittings, consult the www.rbq.gouv.qc.ca/fittings-pv.

1. Fittings to register

List the fittings included in this declaration and that you wish to register.

N°	Description	Additional information (detail, calculations or approval sheets)
1	FLEXIBLE HOSE ASSEMBLIES	 or "AFLEX"
2	SCOPE OF CRN, REPORTS	
3	DRAWINGS	
4	CALCULATIONS	
5	COMPANY LOGO - SEE RIGHT	

2. Declaration of the person in charge

The person in charge is someone in a position of authority, such as a vice-president, a plant manager or a chief engineer.

2.1 Design

I, the undersigned, Dr. Leigh Mulvaney-Johnson PHD CENG (MIMECHE) Technical Manager
(Name of the person in charge) (Title of the person in charge)
from Aflex Hose Ltd. located at Bradley Business Park, Dyson Wood Way, Bradley, Huddersfield,
(Company's name) (Plant's address)
HD2 1GZ, United Kingdom

hereby declare that the above-mentioned fittings and subject to the Regulation respecting pressure installations:

☒ comply with the requirements of the ANSI/ASME codes as to their dimensions, identification, material and purpose
or ASME B31.3, ASME BPE, ARPM IP-2

☐ are not covered by the ANSI/ASME codes, but are in compliance with _____
(Name of code or standard)

code or standard and are designed according to the best current engineering practice, as proven by the enclosed approval report.

2.2 Manufacturing quality control

I further declare that the manufacture of these fittings is controlled by a quality control program that complies with the requirements of the
following code: ISO 9001:2015 and has been verified by bsi, TUV
(Name of code) (Authorized agency)

Signature of the person in charge: L. Mulvaney-Johnson Date (yyyy-mm-dd): 2024-10-02

3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at <u>Hebden Bridge</u> , on <u>2024-10-02</u> . (Location) (Date (yyyy-mm-dd))	
Signature of commissioner for oaths: <u>M M</u>	Date (yyyy-mm-dd): <u>2024-10-02</u>
Stamp the seal:  mary mahon SOLICITOR tel: 01422 844997 fax: 01422 844797 email: mary@marymahonsolicitor.co.uk 6 Wiggley House, Valley Road Hebden Bridge West Yorkshire HX7 7BN	

4. Registration confirmation (for RBQ's use only)

As far as I know, this application complies with the requirements of the Act and with standard CSA B51, Part 1, section 4.2, and is accepted for registration in the class _____.	
This registration expires in ten (10) years after the date of registration indicated above, and it must be validated again after this period.	
Canadian registration number (CRN):	Registration date (yyyy-mm-dd):



Documents to attach

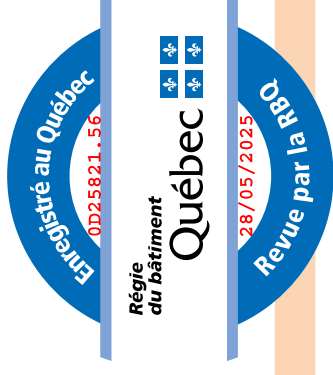
Any application registration for fittings must include these documents:

- Statutory Declaration Registration of Fittings (2 copies)
- Detailed calculations or burst test report (1 copy)
- Detailed technical drawings or catalogues (2 copies)
- Example of the manufacturer's marking (1 copy)
- Proof that a valid and approved quality control program has been implemented (1 copy)
- Form Application for design registration (1 copy)

Sending the form

This declaration is necessary to submit an application for design registration. Design registration applications must be sent by email only to enregistrementdesplans@rbq.gouv.qc.ca.

Documents must be in PDF format and in separate files.



SCOPE OF CRN REGISTRATION

Hose Type(s)

Bioflex Ultra, stainless steel braid, PTFE lined fittings
Bioflex Ultra, stainless steel braid, EPDM or silicone cover, PTFE lined fittings
Fabline, stainless steel braid, EPDM or silicone cover, PTFE lined fittings
Corrolinet+, stainless steel braid, EPDM with or without helix, PTFE lined fittings

Important: The CRN Pressure-Temperature Ratings listed in this document are the hose maximum CRN ratings. Consult hose product literature for recommended hose maximum operating conditions.

The maximum CRN ratings are applicable to the following Service Types:

Service Type **Group 1**: Water and all other liquids, solid materials suspended in liquids or air, compressed air and other gases.
Service Type **Group 2**: Liquid media that immediately changes into gas under standard atmospheric conditions.
Service Type **Group 3**: Steam

Product Description	Design Code	Material Specifications	MDMT	Report Number
Flexible Hose Assemblies	ASME B31.3, ASME BPE, ARPM IP-2	ASTM A479-304/304L, ASTM A479-316/316L ASTM A240-304/304L, ASTM A240-316/316L Stainless Steel meeting the requirements of ASTM A478 and ASTM A580, PTFE Hose and lined fittings.	- 73°C / -100°F	R-2121 Rev. 0

PRESSURE - TEMPERATURE RATINGS

Process Connections		DIN 11851 Female Process Connections			
Service Type		Group 1		Group 2	
Process Connection	Size x Hose Size	MAWP at 300°F (psig)	MAWP at 150°C (barg)	MAWP at 300°F (psig)	MAWP at 150°C (barg)
1/2" DIN 11851 x 1/2" Hose		580.2	40.0	464.1	32.0
3/4" DIN 11851 x 3/4" Hose		580.2	40.0	464.1	32.0
1" DIN 11851 x 1" Hose		580.2	40.0	464.1	32.0
1-1/4" DIN 11851 x 1-1/4" Hose		580.2	40.0	464.1	32.0
1-1/2" DIN 11851 x 1-1/2" Hose		507.6	35.0	406.1	28.0
2" DIN 11851 x 2" Hose		362.6	25.0	290.1	20.0
2-1/2" DIN 11851 x 2-1/2" Hose		290.1	20.0	232.1	16.0
3" DIN 11851 x 3" Hose		217.6	15.0	174.0	12.0
				MAWP at 300°F (psig)	MAWP at 150°C (barg)
				232.1	16.0
				232.1	16.0
				232.1	16.0
				203.1	14.0
				145.0	10.0
				87.0	6.0
				87.0	6.0

SCOPE OF CRN REGISTRATION

PRESSURE - TEMPERATURE RATINGS									
DIN 11851 Female Process Connections									
Process Connections		Group 1		Group 2				Group 3 (Note 2 - Important)	
Service Type		MAWP at 400°F (psig)	MAWP at 204°C (barg)	MAWP at 400°F (psig)	MAWP at 204°C (barg)	MAWP at 400°F (psig)	MAWP at 204°C (barg)	MAWP at 400°F (psig)	MAWP at 204°C (barg)
Process Connection Size x Hose Size									
1/2" DIN 11851 x 1/2" Hose		539.5	37.2	431.6	29.8	215.8	14.9		
3/4" DIN 11851 x 3/4" Hose		539.5	37.2	431.6	29.8	215.8	14.9		
1" DIN 11851 x 1" Hose		539.5	37.2	431.6	29.8	215.8	14.9		
1-1/4" DIN 11851 x 1-1/4" Hose		539.5	37.2	431.6	29.8	215.8	14.9		
1-1/2" DIN 11851 x 1-1/2" Hose		472.1	32.6	377.7	26.0	188.8	13.0		
2" DIN 11851 x 2" Hose		337.2	23.3	269.8	18.6	134.9	9.3		
Process Connection Size x Hose Size									
2-1/2" DIN 11851 x 2-1/2" Hose		269.8	18.6	215.8	14.9	87.0	6.0		
3" DIN 11851 x 3" Hose		202.3	14.0	161.9	11.2	87.0	6.0		

ASME BPE / DIN 32676 Process Connections									
DIN 11851 Female Process Connections									
Process Connections		Group 1		Group 2				Group 3 (Note 2 - Important)	
Service Type		MAWP at 300°F (psig)	MAWP at 150°C (barg)	MAWP at 300°F (psig)	MAWP at 150°C (barg)	MAWP at 300°F (psig)	MAWP at 150°C (barg)	MAWP at 300°F (psig)	MAWP at 150°C (barg)
Process Connection Size x Hose Size									
1/2" Ferrule x 5/8" Hose		580.2	40.0	464.1	32.0	232.1	16.0		
1" Ferrule x 7/8" Hose		232.1	16.0	185.7	12.8	92.8	6.4		
1" Ferrule x 1" Hose		232.1	16.0	185.7	12.8	92.8	6.4		
1-1/2" Ferrule x 1-3/8" Hose		232.1	16.0	185.7	12.8	92.8	6.4		
1-1/2" Ferrule x 1-1/2" Hose		232.1	16.0	185.7	12.8	92.8	6.4		
2" Ferrule x 1-7/8" Hose		232.1	16.0	185.7	12.8	92.8	6.4		
2" Ferrule x 2" Hose		232.1	16.0	185.7	12.8	92.8	6.4		
2-1/2" Ferrule x 2-1/2" Hose		232.1	16.0	185.7	12.8	87.0	6.0		
3" Ferrule x 3" Hose		217.6	15.0	174.0	12.0	87.0	6.0		

ASME BPE / DIN 32676 Process Connections									
DIN 11851 Female Process Connections									
Process Connections		Group 1		Group 2				Group 3 (Note 2 - Important)	
Service Type		MAWP at 400°F (psig)	MAWP at 204°C (barg)	MAWP at 400°F (psig)	MAWP at 204°C (barg)	MAWP at 400°F (psig)	MAWP at 204°C (barg)	MAWP at 400°F (psig)	MAWP at 204°C (barg)
Process Connection Size x Hose Size									
1/2" Ferrule x 5/8" Hose		539.5	37.2	431.6	29.8	215.8	14.9		
1" Ferrule x 7/8" Hose		215.8	14.9	172.7	11.9	87.0	6.0		
1" Ferrule x 1" Hose		215.8	14.9	172.7	11.9	87.0	6.0		
1-1/2" Ferrule x 1-3/8" Hose		215.8	14.9	172.7	11.9	87.0	6.0		
1-1/2" Ferrule x 1-1/2" Hose		215.8	14.9	172.7	11.9	87.0	6.0		
2" Ferrule x 1-7/8" Hose		215.8	14.9	172.7	11.9	87.0	6.0		
2" Ferrule x 2" Hose		215.8	14.9	172.7	11.9	87.0	6.0		
Process Connection Size x Hose Size									
2-1/2" Ferrule x 2-1/2" Hose		215.8	14.9	172.7	11.9	87.0	6.0		
3" Ferrule x 3" Hose		202.3	14.0	161.9	11.2	87.0	6.0		

SCOPE OF CRN REGISTRATION

PRESSURE - TEMPERATURE RATINGS									
Process Connections		CL150 ASME B16.5 Flanged Type 304SS							
Service Type		Group 1		Group 2		Group 3 (Note 2 - Important)			
Process Connection Size x Hose Size	MAWP at 100°F(psig)	MAWP at 38°C(barg)	MAWP at 100°F(psig)	MAWP at 38°C(barg)	MAWP at 100°F(psig)	MAWP at 100°F(psig)	MAWP at 100°F(psig)	MAWP at 100°F(psig)	MAWP at 38°C(barg)
1/2" Flange x 1/2" Hose	275.0	19.0	275.0	19.0	275.0	19.0	232.0	232.0	16.0
3/4" Flange x 3/4" Hose	275.0	19.0	275.0	19.0	275.0	19.0	232.0	232.0	16.0
1" Flange x 1" Hose	275.0	19.0	275.0	19.0	275.0	19.0	232.0	232.0	16.0
1-1/4" Flange x 1-1/4" Hose	275.0	19.0	275.0	19.0	275.0	19.0	232.0	232.0	16.0
1-1/2" Flange x 1-1/2" Hose	275.0	19.0	275.0	19.0	275.0	19.0	203.0	203.0	14.0
2" Flange x 2" Hose	275.0	19.0	275.0	19.0	275.0	19.0	145.0	145.0	10.0
2-1/2" Flange x 2-1/2" Hose	275.0	19.0	275.0	19.0	275.0	19.0	87.0	87.0	6.0
3" Flange x 3" Hose	218.0	15.0	218.0	15.0	218.0	15.0	87.0	87.0	6.0
Process Connection Size x Hose Size	MAWP at 200°F(psig)	MAWP at 93°C(barg)	MAWP at 200°F(psig)	MAWP at 93°C(barg)	MAWP at 200°F(psig)	MAWP at 200°F(psig)	MAWP at 200°F(psig)	MAWP at 200°F(psig)	MAWP at 93°C(barg)
1/2" Flange x 1/2" Hose	230.0	15.9	230.0	15.9	230.0	15.9	230.0	230.0	15.9
3/4" Flange x 3/4" Hose	230.0	15.9	230.0	15.9	230.0	15.9	230.0	230.0	15.9
1" Flange x 1" Hose	230.0	15.9	230.0	15.9	230.0	15.9	230.0	230.0	15.9
1-1/4" Flange x 1-1/4" Hose	230.0	15.9	230.0	15.9	230.0	15.9	230.0	230.0	15.9
1-1/2" Flange x 1-1/2" Hose	230.0	15.9	230.0	15.9	230.0	15.9	203.0	203.0	14.0
2" Flange x 2" Hose	230.0	15.9	230.0	15.9	230.0	15.9	145.0	145.0	10.0
2-1/2" Flange x 2-1/2" Hose	230.0	15.9	230.0	15.9	230.0	15.9	87.0	87.0	6.0
3" Flange x 3" Hose	218.0	15.0	218.0	15.0	218.0	15.0	87.0	87.0	6.0
Process Connection Size x Hose Size	MAWP at 300°F(psig)	MAWP at 149°C(barg)	MAWP at 300°F(psig)	MAWP at 149°C(barg)	MAWP at 300°F(psig)	MAWP at 300°F(psig)	MAWP at 300°F(psig)	MAWP at 300°F(psig)	MAWP at 149°C(barg)
1/2" Flange x 1/2" Hose	205.0	14.1	205.0	14.1	205.0	14.1	205.0	205.0	14.1
3/4" Flange x 3/4" Hose	205.0	14.1	205.0	14.1	205.0	14.1	205.0	205.0	14.1
1" Flange x 1" Hose	205.0	14.1	205.0	14.1	205.0	14.1	205.0	205.0	14.1
1-1/4" Flange x 1-1/4" Hose	205.0	14.1	205.0	14.1	205.0	14.1	205.0	205.0	14.1
1-1/2" Flange x 1-1/2" Hose	205.0	14.1	205.0	14.1	205.0	14.1	203.0	203.0	14.0
2" Flange x 2" Hose	205.0	14.1	205.0	14.1	205.0	14.1	145.0	145.0	10.0
2-1/2" Flange x 2-1/2" Hose	205.0	14.1	205.0	14.1	205.0	14.1	87.0	87.0	6.0
3" Flange x 3" Hose	205.0	14.1	205.0	14.1	205.0	14.1	87.0	87.0	6.0
Process Connection Size x Hose Size	MAWP at 400°F(psig)	MAWP at 204°C(barg)	MAWP at 400°F(psig)	MAWP at 204°C(barg)	MAWP at 400°F(psig)	MAWP at 400°F(psig)	MAWP at 400°F(psig)	MAWP at 400°F(psig)	MAWP at 204°C(barg)
1/2" Flange x 1/2" Hose	190.0	13.1	190.0	13.1	190.0	13.1	190.0	190.0	13.1
3/4" Flange x 3/4" Hose	190.0	13.1	190.0	13.1	190.0	13.1	190.0	190.0	13.1
1" Flange x 1" Hose	190.0	13.1	190.0	13.1	190.0	13.1	190.0	190.0	13.1
1-1/4" Flange x 1-1/4" Hose	190.0	13.1	190.0	13.1	190.0	13.1	190.0	190.0	13.1
1-1/2" Flange x 1-1/2" Hose	190.0	13.1	190.0	13.1	190.0	13.1	189.0	189.0	13.0
2" Flange x 2" Hose	190.0	13.1	190.0	13.1	190.0	13.1	135.0	135.0	9.3
Process Connection Size x Hose Size	MAWP at 400°F(psig)	MAWP at 204°C(barg)	MAWP at 400°F(psig)	MAWP at 204°C(barg)	MAWP at 400°F(psig)	MAWP at 400°F(psig)	MAWP at 400°F(psig)	MAWP at 400°F(psig)	MAWP at 164°C (barg)
2-1/2" Flange x 2-1/2" Hose	190.0	13.1	190.0	13.1	190.0	13.1	87.0	87.0	6.0
3" Flange x 3" Hose	190.0	13.1	190.0	13.1	190.0	13.1	87.0	87.0	6.0

SCOPE OF CRN REGISTRATION

PRESSURE - TEMPERATURE RATINGS									
CL150 ASME B16.5 Flanged Type 316SS									
Process Connections		Group 1			Group 2			Group 3 (Note 2 - Important)	
Service Type		MAWP at 100°F (psig)	MAWP at 38°C (barg)	MAWP at 100°F (psig)	MAWP at 38°C (barg)	MAWP at 100°F (psig)	MAWP at 38°C (barg)	MAWP at 100°F (psig)	MAWP at 38°C (barg)
Process Connection Size x Hose Size									
1/2" Flange x 1/2" Hose		275.0	19.0	275.0	19.0	275.0	19.0	232.0	16.0
3/4" Flange x 3/4" Hose		275.0	19.0	275.0	19.0	275.0	19.0	232.0	16.0
1" Flange x 1" Hose		275.0	19.0	275.0	19.0	275.0	19.0	232.0	16.0
1-1/4" Flange x 1-1/4" Hose		275.0	19.0	275.0	19.0	275.0	19.0	232.0	16.0
1-1/2" Flange x 1-1/2" Hose		275.0	19.0	275.0	19.0	275.0	19.0	203.0	14.0
2" Flange x 2" Hose		275.0	19.0	275.0	19.0	275.0	19.0	145.0	10.0
2-1/2" Flange x 2-1/2" Hose		275.0	19.0	232.0	16.0	232.0	16.0	87.0	6.0
3" Flange x 3" Hose		218.0	15.0	174.0	12.0	174.0	12.0	87.0	6.0
Process Connection Size x Hose Size									
1/2" Flange x 1/2" Hose		235.0	16.2	235.0	16.2	235.0	16.2	232.0	16.0
3/4" Flange x 3/4" Hose		235.0	16.2	235.0	16.2	235.0	16.2	232.0	16.0
1" Flange x 1" Hose		235.0	16.2	235.0	16.2	235.0	16.2	232.0	16.0
1-1/4" Flange x 1-1/4" Hose		235.0	16.2	235.0	16.2	235.0	16.2	232.0	16.0
1-1/2" Flange x 1-1/2" Hose		235.0	16.2	235.0	16.2	235.0	16.2	203.0	14.0
2" Flange x 2" Hose		235.0	16.2	235.0	16.2	235.0	16.2	145.0	10.0
2-1/2" Flange x 2-1/2" Hose		235.0	16.2	232.0	16.0	232.0	16.0	87.0	6.0
3" Flange x 3" Hose		218.0	15.0	174.0	12.0	174.0	12.0	87.0	6.0
Process Connection Size x Hose Size									
1/2" Flange x 1/2" Hose		215.0	14.8	215.0	14.8	215.0	14.8	215.0	14.8
3/4" Flange x 3/4" Hose		215.0	14.8	215.0	14.8	215.0	14.8	215.0	14.8
1" Flange x 1" Hose		215.0	14.8	215.0	14.8	215.0	14.8	215.0	14.8
1-1/4" Flange x 1-1/4" Hose		215.0	14.8	215.0	14.8	215.0	14.8	215.0	14.8
1-1/2" Flange x 1-1/2" Hose		215.0	14.8	215.0	14.8	215.0	14.8	203.0	14.0
2" Flange x 2" Hose		215.0	14.8	215.0	14.8	215.0	14.8	145.0	10.0
2-1/2" Flange x 2-1/2" Hose		215.0	14.8	215.0	14.8	215.0	14.8	87.0	6.0
3" Flange x 3" Hose		215.0	14.8	174.0	12.0	174.0	12.0	87.0	6.0
Process Connection Size x Hose Size									
1/2" Flange x 1/2" Hose		195.0	13.4	195.0	13.4	195.0	13.4	195.0	13.4
3/4" Flange x 3/4" Hose		195.0	13.4	195.0	13.4	195.0	13.4	195.0	13.4
1" Flange x 1" Hose		195.0	13.4	195.0	13.4	195.0	13.4	195.0	13.4
1-1/4" Flange x 1-1/4" Hose		195.0	13.4	195.0	13.4	195.0	13.4	195.0	13.4
1-1/2" Flange x 1-1/2" Hose		195.0	13.4	195.0	13.4	195.0	13.4	189.0	13.0
2" Flange x 2" Hose		195.0	13.4	195.0	13.4	195.0	13.4	135.0	9.3
Process Connection Size x Hose Size									
2-1/2" Flange x 2-1/2" Hose		195.0	13.4	195.0	13.4	195.0	13.4	327°F (psig)	MAWP at 164°C (barg)
3" Flange x 3" Hose		195.0	13.4	162.0	11.2	162.0	11.2	87.0	6.0

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design Metal Temperature.

Note 2: In all cases the Group 3 Steam Service MAWP stated shall be further limited, where applicable, to the steam saturation pressure at temperature.

Note 3: Linear interpolation of pressure ratings between temperatures is allowed.

Note 4: The Maximum Allowable Working Pressure (MAWP) is the maximum allowed under this CRN. Aflex may limit certain hose applications to lower pressures then specified above. Please consult Aflex literature.

Note 5: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.

Note 6: The ASME BPE / DIN 32676 Ferrule connection shall be used with a clamp, however the assembly clamp is not part of this CRN. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. The clamp used to complete the joint shall have its own CRN and shall have pressure-temperature ratings the same or higher than the product ratings.

Note 7: See attached Worldwide Locations Appendix for the manufacturing locations applicable to this CRN.



WORLDWIDE LOCATIONS APPENDIX

AFLEX HOSE MANUFACTURING LOCATIONS & CERTIFYING AUTHORITIES

(rev. November 19, 2024)

Aflex Hose Ltd.

Bradley Business Park
Dyson Wood Way
Bradley
Huddersfield
HD2 1GZ
United Kingdom

ISO 9001 Certified by bsi

In addition, in accordance with CSA B51 paragraph 4.2.5 Aflex Hose Ltd. is taking responsibility for the product covered under this CRN that is manufactured at:

Watson-Marlow, Inc.

37 Upton Technology Park
Wilmington, MA, 01887
USA

ISO 9001 Certified by TUV

Watson-Marlow America Manufacturing Inc.

16 Bulge Road
Devens MA 01434
USA

ISO 9001 Certified by TUV