

Montréal, 27 novembre 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 : 941317
Numéro(s) de dessin(s) : Scope of registration
Design Report Number R-1834 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 : **0D26115.56**.

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 27 novembre 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 : 941317
Design number : Scope of registration
Design Report Number R-1834 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): **0D26115.56.**

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
Sans frais : 1 866 262-2084
enregistrementdesplans@rbq.gouv.qc.ca
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	
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, <u>Dr. Leigh Mulvaney-Johnson PHD CENG (MIMECHE)</u>	<u>Technical Manager</u>
(Name of the person in charge)	(Title of the person in charge)
from <u>Aflex Hose Ltd.</u>	<u>Bradley Business Park, Dyson Wood Way, Bradley, Huddersfield,</u>
(Company's name)	located at <u>HD2 1GZ, United Kingdom</u>
	(Plant's address)
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: <u>ISO 9001:2015</u>	<u>bsi, TUV</u>
(Name of code)	(Authorized agency)
Signature of the person in charge: <u>L. Mulvaney-Johnson</u>	Date (yyyy-mm-dd): <u>2025-07-24</u>

3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at <u>Hebden Bridge</u> , on <u>2025-07-24</u> (Location) (Date (yyyy-mm-dd)):	
Signature of commissioner for oaths: 	Date (yyyy-mm-dd): <u>2025-07-24</u>
Stamp the seal: mary manon S O L I C I T O R TEL: 01422 844997 FAX: 01422 844797 EMAIL: mary@marymahonsolicitor.co.uk 8 WRAGLEY 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.

AFLEX HOSE LTD.

BRADLEY BUSINESS PARK
DYSON WOOD WAY
BRADLEY, HUDDERSFIELD
HD2 1GZ, UNITED KINGDOM



July 30, 2025

SCOPE OF CRN REGISTRATION

PAGE 1 OF 14

Hose Type(s)
Corroflon Hose - Lined Fittings
Corroflon Hose - Non-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-1834 Rev. 0

**SEE PAGES THAT FOLLOW FOR
PRESSURE-TEMPERATURE RATINGS
AND AVAILABLE PROCESS CONNECTIONS**

SCOPE OF CRN REGISTRATION**PRESSURE - TEMPERATURE RATINGS**

Process Connections		Corroflon Hose - Lined Fittings DIN 11851 Female Process Connections				
Service Type	Group 1		Group 2		Group 3 (Note 2 - Important)	
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)	MAWP at 300°F (psig)	MAWP at 150°C (barg)
1/2" DIN 11851 x 1/2" Hose	594.7	41.0	475.7	32.8	232.1	16.0
3/4" DIN 11851 x 3/4" Hose	507.6	35.0	406.1	28.0	203.1	14.0
1" DIN 11851 x 1" Hose	449.6	31.0	359.7	24.8	179.8	12.4
1-1/4" DIN 11851 x 1-1/4" Hose	391.6	27.0	313.3	21.6	156.6	10.8
1-1/2" DIN 11851 x 1-1/2" Hose	333.6	23.0	266.9	18.4	133.4	9.2
2" DIN 11851 x 2" Hose	290.1	20.0	232.1	16.0	116.0	8.0
2-1/2" DIN 11851 x 2-1/2" Hose	232.1	16.0	185.7	12.8	87.0	6.0
3" DIN 11851 x 3" Hose	203.1	14.0	162.4	11.2	81.2	5.6

PRESSURE - TEMPERATURE RATINGS

Process Connections		Corroflon Hose - Lined Fittings DIN 11851 Female Process Connections				
Service Type	Group 1		Group 2		Group 3 (Note 2 - Important)	
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 204°C (barg)
1/2" DIN 11851 x 1/2" Hose	553.0	38.1	442.4	30.5	221.2	15.3
3/4" DIN 11851 x 3/4" Hose	472.1	32.6	377.7	26.0	188.8	13.0
1" DIN 11851 x 1" Hose	418.2	28.8	334.5	23.1	167.3	11.5
1-1/4" DIN 11851 x 1-1/4" Hose	364.2	25.1	291.4	20.1	145.7	10.0
1-1/2" DIN 11851 x 1-1/2" Hose	310.2	21.4	248.2	17.1	124.1	8.6
2" DIN 11851 x 2" Hose	269.8	18.6	215.8	14.9	107.9	7.4
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 327°F (psig)	MAWP at 164°C (barg)
2-1/2" DIN 11851 x 2-1/2" Hose	215.8	14.9	172.7	11.9	86.3	6.0
3" DIN 11851 x 3" Hose	188.8	13.0	151.1	10.4	75.5	5.2

SCOPE OF CRN REGISTRATION**PRESSURE - TEMPERATURE RATINGS**

Process Connections		Corroflon Hose - Non-Lined Fittings BSPT, MNPT and FNPT				
Service Type	Group 1		Group 2		Group 3 (Note 2 - Important)	
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)	MAWP at 300°F (psig)	MAWP at 150°C (barg)
1/2" BSPT, MNPT, FNPT	594.7	41.0	475.7	32.8	232.1	16.0
3/4" BSPT, MNPT, FNPT	507.6	35.0	406.1	28.0	203.1	14.0
1" BSPT, MNPT, FNPT	449.6	31.0	359.7	24.8	179.8	12.4
1-1/4" BSPT, MNPT, FNPT	391.6	27.0	313.3	21.6	156.6	10.8
1-1/2" BSPT, MNPT, FNPT	333.6	23.0	266.9	18.4	133.4	9.2
2" BSPT, MNPT, FNPT	290.1	20.0	232.1	16.0	116.0	8.0
2-1/2" BSPT, MNPT, FNPT	232.1	16.0	185.7	12.8	87.0	6.0
3" BSPT, MNPT, FNPT	203.1	14.0	162.4	11.2	81.2	5.6
4" BSPT, MNPT, FNPT	145.0	10.0	116.0	8.0	58.0	4.0

PRESSURE - TEMPERATURE RATINGS

Process Connections		Corroflon Hose - Non-Lined Fittings BSPT, MNPT and FNPT				
Service Type	Group 1		Group 2		Group 3 (Note 2 - Important)	
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 204°C (barg)
1/2" BSPT, MNPT, FNPT	553.0	38.1	442.4	30.5	221.2	15.3
3/4" BSPT, MNPT, FNPT	472.1	32.6	377.7	26.0	188.8	13.0
1" BSPT, MNPT, FNPT	418.2	28.8	334.5	23.1	167.3	11.5
1-1/4" BSPT, MNPT, FNPT	364.2	25.1	291.4	20.1	145.7	10.0
1-1/2" BSPT, MNPT, FNPT	310.2	21.4	248.2	17.1	124.1	8.6
2" BSPT, MNPT, FNPT	269.8	18.6	215.8	14.9	107.9	7.4
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 327°F (psig)	MAWP at 164°C (barg)
2-1/2" BSPT, MNPT, FNPT	215.8	14.9	172.7	11.9	86.3	6.0
3" BSPT, MNPT, FNPT	188.8	13.0	151.1	10.4	75.5	5.2
4" BSPT, MNPT, FNPT	134.9	9.3	107.9	7.4	54.0	3.7

SCOPE OF CRN REGISTRATION

PRESSURE - TEMPERATURE RATINGS						
Process Connections			Corroflon Hose - Non-Lined Fittings JIC male and JIC Swivel Female			
Service Type	Group 1		Group 2		Group 3 (Note 2 - Important)	
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)	MAWP at 300°F (psig)	MAWP at 150°C (barg)
1/2" (3/4"-16) JIC Male x 1/2" Hose	594.7	41.0	475.7	32.8	232.1	16.0
3/4" (1-1/16"-12) JIC Male x 3/4" Hose	507.6	35.0	406.1	28.0	203.1	14.0
1" (1-5/16"-12) JIC Male x 1" Hose	449.6	31.0	359.7	24.8	179.8	12.4
1-1/4" (1-5/8"-12) JIC Male x 1-1/4" Hose	391.6	27.0	313.3	21.6	156.6	10.8
1-1/2" (1-7/8"-12) JIC Male x 1-1/2" Hose	333.6	23.0	266.9	18.4	133.4	9.2
2" (2-1/2"-12) JIC Male x 2" Hose	290.1	20.0	232.1	16.0	116.0	8.0
1/2" (3/4"-16) JIC Swivel Female x 1/2" Hose	594.7	41.0	475.7	32.8	232.1	16.0
3/4" (1-1/16"-12) JIC Swivel Female x 3/4" Hose	507.6	35.0	406.1	28.0	203.1	14.0
1" (1-5/16"-12) JIC Swivel Female x 1" Hose	449.6	31.0	359.7	24.8	179.8	12.4
1-1/4" (1-5/8"-12) JIC Swivel Female x 1-1/4" Hose	391.6	27.0	313.3	21.6	156.6	10.8
1-1/2" (1-7/8"-12) JIC Swivel Female x 1-1/2" Hose	333.6	23.0	266.9	18.4	133.4	9.2
2" (2-1/2"-12) JIC Swivel Female x 2" Hose	290.1	20.0	232.1	16.0	116.0	8.0

SCOPE OF CRN REGISTRATION

PRESSURE - TEMPERATURE RATINGS						
Process Connections		Corroflon Hose - Non-Lined Fittings JIC male and JIC Swivel Female				
Service Type	Group 1		Group 2		Group 3 (Note 2 - Important)	
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 204°C (barg)
1/2" (3/4"-16) JIC Male x 1/2" Hose	552.6	38.1	442.4	30.5	221.9	15.3
3/4" (1-1/16"-12) JIC Male x 3/4" Hose	472.8	32.6	377.1	26.0	188.6	13.0
1" (1-5/16"-12) JIC Male x 1" Hose	417.7	28.8	335.0	23.1	166.8	11.5
1-1/4" (1-5/8"-12) JIC Male x 1-1/4" Hose	364.1	25.1	291.5	20.1	145.0	10.0
1-1/2" (1-7/8"-12) JIC Male x 1-1/2" Hose	310.4	21.4	248.0	17.1	124.7	8.6
2" (2-1/2"-12) JIC Male x 2" Hose	269.8	18.6	216.1	14.9	107.3	7.4
1/2" (3/4"-16) JIC Swivel Female x 1/2" Hose	552.6	38.1	442.4	30.5	221.9	15.3
3/4" (1-1/16"-12) JIC Swivel Female x 3/4" Hose	472.8	32.6	377.1	26.0	188.6	13.0
1" (1-5/16"-12) JIC Swivel Female x 1" Hose	417.7	28.8	335.0	23.1	166.8	11.5
1-1/4" (1-5/8"-12) JIC Swivel Female x 1-1/4" Hose	364.1	25.1	291.5	20.1	145.0	10.0
1-1/2" (1-7/8"-12) JIC Swivel Female x 1-1/2" Hose	310.4	21.4	248.0	17.1	124.7	8.6
2" (2-1/2"-12) JIC Swivel Female x 2" Hose	269.8	18.6	216.1	14.9	107.3	7.4

SCOPE OF CRN REGISTRATION

Process Connections		Corroflon Hose - Non-Lined Fittings ASME BPE / DIN 32676 Process Connections				
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 38°C (barg)
1/2" ASME BPE Type B Ferrule x 1/2" Hose	200.0	13.8	200.0	13.8	200.0	13.8
3/4" ASME BPE Type B Ferrule x 3/4" Hose	200.0	13.8	200.0	13.8	200.0	13.8
1" ASME BPE Type A Ferrule x 1" Hose	200.0	13.8	200.0	13.8	179.8	12.4
1-1/2" ASME BPE Type A Ferrule x 1-1/2" Hose	200.0	13.8	200.0	13.8	133.4	9.2
2" ASME BPE Type A Ferrule x 2" Hose	200.0	13.8	200.0	13.8	116.0	8.0
2-1/2" ASME BPE Type A Ferrule x 2-1/2" Hose	200.0	13.8	185.7	12.8	87.0	6.0
3" ASME BPE Type A Ferrule x 3" Hose	200.0	13.8	162.4	11.2	81.2	5.6
4" ASME BPE Type A Ferrule x 4" Hose	145.0	10.0	116.0	8.0	58.0	4.0
1/2" ASME BPE Type B Ferrule 90° Elbow x 1/2" Hose	200.0	13.8	200.0	13.8	200.0	13.8
3/4" ASME BPE Type B Ferrule 90° Elbow x 3/4" Hose	200.0	13.8	200.0	13.8	200.0	13.8
1" ASME BPE Type A Ferrule 90° Elbow x 1" Hose	200.0	13.8	200.0	13.8	179.8	12.4
1-1/2" ASME BPE Type A Ferrule 90° Elbow x 1-1/2" Hose	200.0	13.8	200.0	13.8	133.4	9.2
2" ASME BPE Type A Ferrule 90° Elbow x 2" Hose	200.0	13.8	200.0	13.8	116.0	8.0
2-1/2" ASME BPE Type A Ferrule 90° Elbow x 2-1/2" Hose	200.0	13.8	185.7	12.8	87.0	6.0
3" ASME BPE Type A Ferrule 90° Elbow x 3" Hose	200.0	13.8	162.4	11.2	81.2	5.6
4" ASME BPE Type A Ferrule 90° Elbow x 4" Hose	145.0	10.0	116.0	8.0	58.0	4.0

SCOPE OF CRN REGISTRATION

Process Connections		Corroflon Hose - Non-Lined Fittings ASME BPE / DIN 32676 Process Connections				
Service Type	Group 1		Group 2		Group 3 (Note 2 - Important)	
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 93°C (barg)
1/2" ASME BPE Type B Ferrule x 1/2" Hose	200.0	13.8	200.0	13.8	200.0	13.8
3/4" ASME BPE Type B Ferrule x 3/4" Hose	200.0	13.8	200.0	13.8	200.0	13.8
1" ASME BPE Type A Ferrule x 1" Hose	200.0	13.8	200.0	13.8	179.8	12.4
1-1/2" ASME BPE Type A Ferrule x 1-1/2" Hose	200.0	13.8	200.0	13.8	133.4	9.2
2" ASME BPE Type A Ferrule x 2" Hose	200.0	13.8	200.0	13.8	116.0	8.0
2-1/2" ASME BPE Type A Ferrule x 2-1/2" Hose	200.0	13.8	185.7	12.8	87.0	6.0
3" ASME BPE Type A Ferrule x 3" Hose	200.0	13.8	162.4	11.2	81.2	5.6
4" ASME BPE Type A Ferrule x 4" Hose	145.0	10.0	116.0	8.0	58.0	4.0
1/2" ASME BPE Type B Ferrule 90° Elbow x 1/2" Hose	200.0	13.8	200.0	13.8	200.0	13.8
3/4" ASME BPE Type B Ferrule 90° Elbow x 3/4" Hose	200.0	13.8	200.0	13.8	200.0	13.8
1" ASME BPE Type A Ferrule 90° Elbow x 1" Hose	200.0	13.8	200.0	13.8	179.8	12.4
1-1/2" ASME BPE Type A Ferrule 90° Elbow x 1-1/2" Hose	200.0	13.8	200.0	13.8	133.4	9.2
2" ASME BPE Type A Ferrule 90° Elbow x 2" Hose	200.0	13.8	200.0	13.8	116.0	8.0
2-1/2" ASME BPE Type A Ferrule 90° Elbow x 2-1/2" Hose	200.0	13.8	185.7	12.8	87.0	6.0
3" ASME BPE Type A Ferrule 90° Elbow x 3" Hose	200.0	13.8	162.4	11.2	81.2	5.6
4" ASME BPE Type A Ferrule 90° Elbow x 4" Hose	145.0	10.0	116.0	8.0	58.0	4.0

SCOPE OF CRN REGISTRATION

Process Connections		Corroflon Hose - Non-Lined Fittings ASME BPE / DIN 32676 Process Connections				
Service Type	Group 1		Group 2		Group 3 (Note 2 - Important)	
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 149°C (barg)
1/2" ASME BPE Type B Ferrule x 1/2" Hose	187.5	12.9	187.5	12.9	187.5	12.9
3/4" ASME BPE Type B Ferrule x 3/4" Hose	187.5	12.9	187.5	12.9	187.5	12.9
1" ASME BPE Type A Ferrule x 1" Hose	187.5	12.9	187.5	12.9	179.8	12.4
1-1/2" ASME BPE Type A Ferrule x 1-1/2" Hose	187.5	12.9	187.5	12.9	133.4	9.2
2" ASME BPE Type A Ferrule x 2" Hose	187.5	12.9	187.5	12.9	116.0	8.0
2-1/2" ASME BPE Type A Ferrule x 2-1/2" Hose	187.5	12.9	185.7	12.8	87.0	6.0
3" ASME BPE Type A Ferrule x 3" Hose	187.5	12.9	162.4	11.2	81.2	5.6
4" ASME BPE Type A Ferrule x 4" Hose	145.0	10.0	116.0	8.0	58.0	4.0
1/2" ASME BPE Type B Ferrule 90° Elbow x 1/2" Hose	187.5	12.9	187.5	12.9	187.5	12.9
3/4" ASME BPE Type B Ferrule 90° Elbow x 3/4" Hose	187.5	12.9	187.5	12.9	187.5	12.9
1" ASME BPE Type A Ferrule 90° Elbow x 1" Hose	187.5	12.9	187.5	12.9	179.8	12.4
1-1/2" ASME BPE Type A Ferrule 90° Elbow x 1-1/2" Hose	187.5	12.9	187.5	12.9	133.4	9.2
2" ASME BPE Type A Ferrule 90° Elbow x 2" Hose	187.5	12.9	187.5	12.9	116.0	8.0
2-1/2" ASME BPE Type A Ferrule 90° Elbow x 2-1/2" Hose	187.5	12.9	185.7	12.8	87.0	6.0
3" ASME BPE Type A Ferrule 90° Elbow x 3" Hose	187.5	12.9	162.4	11.2	81.2	5.6
4" ASME BPE Type A Ferrule 90° Elbow x 4" Hose	145.0	10.0	116.0	8.0	58.0	4.0

SCOPE OF CRN REGISTRATION

Process Connections		Corroflon Hose - Non-Lined Fittings ASME BPE / DIN 32676 Process Connections				
Service Type	Group 1		Group 2		Group 3 (Note 2 - Important)	
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 204°C (barg)
1/2" ASME BPE Type B Ferrule x 1/2" Hose	170.1	11.7	170.1	11.7	170.1	11.7
3/4" ASME BPE Type B Ferrule x 3/4" Hose	170.1	11.7	170.1	11.7	170.1	11.7
1" ASME BPE Type A Ferrule x 1" Hose	170.1	11.7	170.1	11.7	166.8	11.5
1-1/2" ASME BPE Type A Ferrule x 1-1/2" Hose	170.1	11.7	170.1	11.7	124.7	8.6
2" ASME BPE Type A Ferrule x 2" Hose	170.1	11.7	170.1	11.7	107.3	7.4
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 327°F (psig)	MAWP at 164°C (barg)
2-1/2" ASME BPE Type A Ferrule x 2-1/2" Hose	170.1	11.7	170.1	11.7	87.0	6.0
3" ASME BPE Type A Ferrule x 3" Hose	170.1	11.7	150.8	10.4	75.4	5.2
4" ASME BPE Type A Ferrule x 4" Hose	134.9	9.3	107.3	7.4	53.7	3.7
Service Type	Group 1		Group 2		Group 3 (Note 2 - Important)	
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 204°C (barg)
1/2" ASME BPE Type B Ferrule 90° Elbow x 1/2" Hose	170.1	11.7	170.1	11.7	170.1	11.7
3/4" ASME BPE Type B Ferrule 90° Elbow x 3/4" Hose	170.1	11.7	170.1	11.7	170.1	11.7
1" ASME BPE Type A Ferrule 90° Elbow x 1" Hose	170.1	11.7	170.1	11.7	166.8	11.5
1-1/2" ASME BPE Type A Ferrule 90° Elbow x 1-1/2" Hose	170.1	11.7	170.1	11.7	124.7	8.6
2" ASME BPE Type A Ferrule 90° Elbow x 2" Hose	170.1	11.7	170.1	11.7	107.3	7.4
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 327°F (psig)	MAWP at 164°C (barg)
2-1/2" ASME BPE Type A Ferrule 90° Elbow x 2-1/2" Hose	170.1	11.7	170.1	11.7	87.0	6.0
3" ASME BPE Type A Ferrule 90° Elbow x 3" Hose	170.1	11.7	150.8	10.4	75.4	5.2
4" ASME BPE Type A Ferrule 90° Elbow x 4" Hose	134.9	9.3	107.3	7.4	53.7	3.7

SCOPE OF CRN REGISTRATION

PRESSURE - TEMPERATURE RATINGS						
Process Connections	Corroflon Hose - Lined and Non-Lined Fittings 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 38°C(barg)
1/2" Flange x 1/2" Hose	275.0	18.96	275.0	18.96	232.1	16.00
3/4" Flange x 3/4" Hose	275.0	18.96	275.0	18.96	203.1	14.00
1" Flange x 1" Hose	275.0	18.96	275.0	18.96	179.8	12.40
1-1/4" Flange x 1-1/4" Hose	275.0	18.96	275.0	18.96	156.6	10.80
1-1/2" Flange x 1-1/2" Hose	275.0	18.96	266.9	18.40	133.4	9.20
2" Flange x 2" Hose	275.0	18.96	232.1	16.00	116.0	8.00
2-1/2" Flange x 2-1/2" Hose	232.1	16.00	185.7	12.80	87.0	6.00
3" Flange x 3" Hose	203.1	14.00	162.4	11.20	81.2	5.60
4" Flange x 4" Hose	145.0	10.00	116.0	8.00	58.0	4.00
6" Flange x 6" Hose	72.5	5.00	58.0	4.00	29.0	2.00
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 93°C(barg)
1/2" Flange x 1/2" Hose	230.0	15.86	230.0	15.86	230.0	15.86
3/4" Flange x 3/4" Hose	230.0	15.86	230.0	15.86	203.1	14.00
1" Flange x 1" Hose	230.0	15.86	230.0	15.86	179.8	12.40
1-1/4" Flange x 1-1/4" Hose	230.0	15.86	230.0	15.86	156.6	10.80
1-1/2" Flange x 1-1/2" Hose	230.0	15.86	230.0	15.86	133.4	9.20
2" Flange x 2" Hose	230.0	15.86	230.0	15.86	116.0	8.00
2-1/2" Flange x 2-1/2" Hose	230.0	15.86	185.7	12.80	87.0	6.00
3" Flange x 3" Hose	203.1	14.00	162.4	11.20	81.2	5.60
4" Flange x 4" Hose	145.0	10.00	116.0	8.00	58.0	4.00
6" Flange x 6" Hose	72.5	5.00	58.0	4.00	29.0	2.00
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 149°C(barg)
1/2" Flange x 1/2" Hose	204.9	14.13	204.9	14.13	204.9	14.13
3/4" Flange x 3/4" Hose	204.9	14.13	204.9	14.13	203.1	14.00
1" Flange x 1" Hose	204.9	14.13	204.9	14.13	179.8	12.40
1-1/4" Flange x 1-1/4" Hose	204.9	14.13	204.9	14.13	156.6	10.80
1-1/2" Flange x 1-1/2" Hose	204.9	14.13	204.9	14.13	133.4	9.20
2" Flange x 2" Hose	204.9	14.13	204.9	14.13	116.0	8.00
2-1/2" Flange x 2-1/2" Hose	204.9	14.13	185.7	12.80	87.0	6.00
3" Flange x 3" Hose	203.1	14.00	162.4	11.20	81.2	5.60
4" Flange x 4" Hose	145.0	10.00	116.0	8.00	58.0	4.00
6" Flange x 6" Hose	72.5	5.00	58.0	4.00	29.0	2.00

SCOPE OF CRN REGISTRATION**PRESSURE - TEMPERATURE RATINGS**

Process Connections	Corroflon Hose - Lined and Non-Lined Fittings 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 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)
1/2" Flange x 1/2" Hose	190.0	13.10	190.0	13.10	190.0	13.10
3/4" Flange x 3/4" Hose	190.0	13.10	190.0	13.10	188.6	13.00
1" Flange x 1" Hose	190.0	13.10	190.0	13.10	166.8	11.50
1-1/4" Flange x 1-1/4" Hose	190.0	13.10	190.0	13.10	145.0	10.00
1-1/2" Flange x 1-1/2" Hose	190.0	13.10	190.0	13.10	124.7	8.60
2" Flange x 2" Hose	190.0	13.10	190.0	13.10	107.3	7.40
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 327°F (psig)	MAWP at 164°C (barg)
2-1/2" Flange x 2-1/2" Hose	190.0	13.10	172.6	11.90	87.0	6.00
3" Flange x 3" Hose	188.6	13.00	150.8	10.40	75.4	5.20
4" Flange x 4" Hose	134.9	9.30	107.3	7.40	53.7	3.70
6" Flange x 6" Hose	68.2	4.70	53.7	3.70	27.6	1.90

SCOPE OF CRN REGISTRATION**PRESSURE - TEMPERATURE RATINGS**

Process Connections		Corroflon Hose - Lined and Non-Lined Fittings CL150 ASME B16.5 Flanged Type 316SS				
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 38°C(barg)
1/2" Flange x 1/2" Hose	275.0	18.96	275.0	18.96	232.1	16.00
3/4" Flange x 3/4" Hose	275.0	18.96	275.0	18.96	203.1	14.00
1" Flange x 1" Hose	275.0	18.96	275.0	18.96	179.8	12.40
1-1/4" Flange x 1-1/4" Hose	275.0	18.96	275.0	18.96	156.6	10.80
1-1/2" Flange x 1-1/2" Hose	275.0	18.96	266.9	18.40	133.4	9.20
2" Flange x 2" Hose	275.0	18.96	232.1	16.00	116.0	8.00
2-1/2" Flange x 2-1/2" Hose	232.1	16.00	185.7	12.80	87.0	6.00
3" Flange x 3" Hose	203.1	14.00	162.4	11.20	81.2	5.60
4" Flange x 4" Hose	145.0	10.00	116.0	8.00	58.0	4.00
6" Flange x 6" Hose	72.5	5.00	58.0	4.00	29.0	2.00
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 93°C(barg)
1/2" Flange x 1/2" Hose	235.0	16.20	235.0	16.20	232.1	16.00
3/4" Flange x 3/4" Hose	235.0	16.20	235.0	16.20	203.1	14.00
1" Flange x 1" Hose	235.0	16.20	235.0	16.20	179.8	12.40
1-1/4" Flange x 1-1/4" Hose	235.0	16.20	235.0	16.20	156.6	10.80
1-1/2" Flange x 1-1/2" Hose	235.0	16.20	235.0	16.20	133.4	9.20
2" Flange x 2" Hose	235.0	16.20	232.1	16.00	116.0	8.00
2-1/2" Flange x 2-1/2" Hose	232.1	16.00	185.7	12.80	87.0	6.00
3" Flange x 3" Hose	203.1	14.00	162.4	11.20	81.2	5.60
4" Flange x 4" Hose	145.0	10.00	116.0	8.00	58.0	4.00
6" Flange x 6" Hose	72.5	5.00	58.0	4.00	29.0	2.00
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 149°C(barg)
1/2" Flange x 1/2" Hose	214.9	14.82	214.9	14.82	214.9	14.82
3/4" Flange x 3/4" Hose	214.9	14.82	214.9	14.82	203.1	14.00
1" Flange x 1" Hose	214.9	14.82	214.9	14.82	179.8	12.40
1-1/4" Flange x 1-1/4" Hose	214.9	14.82	214.9	14.82	156.6	10.80
1-1/2" Flange x 1-1/2" Hose	214.9	14.82	214.9	14.82	133.4	9.20
2" Flange x 2" Hose	214.9	14.82	214.9	14.82	116.0	8.00
2-1/2" Flange x 2-1/2" Hose	214.9	14.82	185.7	12.80	87.0	6.00
3" Flange x 3" Hose	203.1	14.00	162.4	11.20	81.2	5.60
4" Flange x 4" Hose	145.0	10.00	116.0	8.00	58.0	4.00
6" Flange x 6" Hose	72.5	5.00	58.0	4.00	29.0	2.00

SCOPE OF CRN REGISTRATION**PRESSURE - TEMPERATURE RATINGS**

Process Connections	Corroflon Hose - Lined and Non-Lined Fittings CL150 ASME B16.5 Flanged Type 316SS					
Service Type	Group 1		Group 2		Group 3 (Note 2 - Important)	
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 204°C(barg)
1/2" Flange x 1/2" Hose	194.9	13.44	194.9	13.44	194.9	13.44
3/4" Flange x 3/4" Hose	194.9	13.44	194.9	13.44	188.6	13.00
1" Flange x 1" Hose	194.9	13.44	194.9	13.44	166.8	11.50
1-1/4" Flange x 1-1/4" Hose	194.9	13.44	194.9	13.44	145.0	10.00
1-1/2" Flange x 1-1/2" Hose	194.9	13.44	194.9	13.44	124.7	8.60
2" Flange x 2" Hose	194.9	13.44	194.9	13.44	107.3	7.40
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 327°F (psig)	MAWP at 164°C (barg)
2-1/2" Flange x 2-1/2" Hose	194.9	13.44	172.6	11.90	87.0	6.00
3" Flange x 3" Hose	188.6	13.00	150.8	10.40	75.4	5.20
4" Flange x 4" Hose	134.9	9.30	107.3	7.40	53.7	3.70
6" Flange x 6" Hose	68.2	4.70	53.7	3.70	27.6	1.90

SCOPE OF CRN REGISTRATION

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 than 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