Régie du bâtiment Québec

Direction des équipements sous pression

Montréal, 6 août 2025.

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

Fabricant : TYLOK INTERNATIONAL INC
1061 EAST 260TH STREET
EUCLID OH
USA 44132

Numéro de dossier : 941809
Numéro(s) de dessin(s) : Scope of registration - Tylok Instrumentation Pipe Fittings

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 : **0A17086.56.**

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

Régie du bâtiment Québec

Direction des équipements sous pression

Montréal, le 6 août 2025.

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

Manufacturer : TYLOK INTERNATIONAL INC
1061 EAST 260TH STREET
EUCLID OH
USA 44132

OUR REFERENCE : 941809
Design number : Scope of registration - Tylok Instrumentation Pipe Fittings

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): **0A17086.56.**

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

Régie du bâtiment Québec

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	INSTRUMENTATION PIPE FITTINGS	
2	SCOPE OF CRN, REPORTS	
3	DRAWINGS	
4	CALCULATIONS	FITTINGS & VALVES
5	COMPANY LOGO - SEE RIGHT	OR "T"

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, Luke DiFranco (Name of the person in charge) Engineer (Title of the person in charge),

from Tylok International, Inc. (Company's name), located at 26000 Lakeland Boulevard, Euclid, OH, 44132, USA (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, B31.1

☐ 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 (Name of code), and has been verified by SCB (Authorized agency).

Signature of the person in charge: Luke D—	Date (yyyy-mm-dd): 3/13/2025

3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at Euclid, OH (Location), on 2025-03-13 (Date (yyyy-mm-dd)).

Signature of commissioner for oaths: Elizabeth Kirby

Date (yyyy-mm-dd): 2025-03-13

Stamp the seal:

NOTARY PUBLIC STATE OF OHIO

ELIZABETH KIRBY
Notary Public, State of Ohio
My Commission Expires
September 8, 2027

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):
	Enregistré au Québec 0A17086.56 Régie du bâtiment Québec 05/08/2025 Revue par la RBQ

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.

TYLOK INTERNATIONAL, INC.
1061 EAST 260TH ST.,
EUCLID, OHIO,
44132-2877, USA

17-Mar-25

SCOPE OF CRN REGISTRATION

Product Description	Design Code	Available Material of Construction	Available Process Connections		Report Number
			Tylok Size	Pipe Thread (NPT)	
Instrumentation Pipe Fittings	ASME B31.1, ASME B31.3	Stainless Steel ASTM A479 -316/316L, ASTM A182 -F316/316L, Brass ASTM B16 -C36000, ASTM B283 -C37700 **(Note 4)** Steel ASTM A105, ASTM A108 Grade 12L14, 1137, 1141, 1045	1	1/16-27	R-2020 Rev. 0
			2	1/8-27	
			4	1/4-18	
			6	3/8-18	
			8	1/2-14	
			12	3/4-14	
			16	1-11-1/2	

Enregistré au Québec
0A17086.56
Régie du bâtiment Québec
05/08/2025
Revue par la RBQ

PRESSURE-TEMPERATURE RATINGS (NOTE 3)

Material of Construction:	**Stainless Steel: ASTM A479-316/316L, ASTM A182-F316/316L**

Size	Part#	MAWP at 100°F (psig)
2	SS-2-1CLN	10100
4	SS-4-1CLN	8100
6	SS-6-1CLN	7800
8	SS-8-1CLN	7700
12	SS-12-1CLN	7300
16	SS-16-1CLN	5300
2	SS-2-1FMA	6500
4	SS-4-1FMA	6600
6	SS-6-1FMA	5300
8	SS-8-1FMA	4900
12	SS-12-1FMA	4600
16	SS-16-1FMA	4400
2	SS-2-1FPC	6500
4	SS-4-1FPC	6600
6	SS-6-1FPC	5300
8	SS-8-1FPC	4900
12	SS-12-1FPC	4600
16	SS-16-1FPC	4400

TYLOK INTERNATIONAL, INC.
1061 EAST 260TH ST.,
EUCLID, OHIO,
44132-2877, USA

PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:	Stainless Steel: ASTM A479-316/316L, ASTM A182-F316/316L

Size	Part#	MAWP at 100°F (psig)
2x1	SS-2-1FPRU-1	6500
4x2	SS-4-1FPRU-2	6600
6x2	SS-6-1FPRU-2	5300
6x4	SS-6-1FPRU-4	5300
8x4	SS-8-1FPRU-4	4900
8x6	SS-8-1FPRU-6	4900
12x4	SS-12-1FPRU-4	4600
12x8	SS-12-1FPRU-8	4600
16x12	SS-16-1FPRU-12	4400
16x12	SS-16-1FPRU-12	4400
2	SS-2-1FPU	6500
4	SS-4-1FPU	6600
6	SS-6-1FPU	5300
8	SS-8-1FPU	4900
12	SS-12-1FPU	4600
16	SS-16-1FPU	4400
2	SS-2-1HLN-X	10100
4	SS-4-1HLN-X	8100
6	SS-6-1HLN-X	7800
8	SS-8-1HLN-X	7700
12	SS-12-1HLN-X	7300
16	SS-16-1HLN-X	5300
1	SS-1-1HN	11000
2	SS-2-1HN	10100
4	SS-4-1HN	8100
6	SS-6-1HN	7800
8	SS-8-1HN	7700
12	SS-12-1HN	7300
16	SS-16-1HN	5300
2x1	SS-2-1HRN-1	11000
4x2	SS-4-1HRN-2	10100
6x2	SS-6-1HRN-2	10100
6x4	SS-6-1HRN-4	8100
8x2	SS-8-1HRN-2	10100
8x4	SS-8-1HRN-4	8100
8x6	SS-8-1HRN-6	7800
12x2	SS-12-1HRN-2	10100
12x4	SS-12-1HRN-4	8100

TYLOK INTERNATIONAL, INC.
1061 EAST 260TH ST.,
EUCLID, OHIO,
44132-2877, USA

PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:	Stainless Steel: ASTM A479-316/316L, ASTM A182-F316/316L

Size	Part#	MAWP at 100°F (psig)
12x6	SS-12-1HRN-6	7800
12x8	SS-12-1HRN-6	7700
16x2	SS-16-1HRN-2	8100
16x4	SS-16-1HRN-4	8100
16x6	SS-16-1HRN-6	7800
16x8	SS-16-1HRN-8	7700
16x12	SS-16-1HRN-12	7300
2x1	SS-2-1RAFM-1	6500
4x1	SS-4-1RAFM-1	6600
4x2	SS-4-1RAFM-2	6600
6x2	SS-6-1RAFM-2	5300
6x4	SS-6-1RAFM-4	5300
8x2	SS-8-1RAFM-2	4900
8x4	SS-8-1RAFM-4	4900
8x6	SS-8-1RAFM-6	4900
12x4	SS-12-1RAFM-4	4600
12x6	SS-12-1RAFM-6	4600
12x8	SS-12-1RAFM-8	4600
16x4	SS-16-1RAFM-4	4400
16x6	SS-16-1RAFM-6	4400
16x8	SS-16-1RAFM-8	4400
16x12	SS-16-1RAFM-12	4400
2x1	SS-2-1-1RBMF-1	6500
4x2	SS-4-1-1RBMF-2	5500
6x2	SS-6-1-1RBMF-2	9900
6x4	SS-6-1-1RBMF-4	6600
8x2	SS-8-1-1RBMF-2	12700
8x4	SS-8-1-1RBMF-4	9300
8x6	SS-8-1-1RBMF-6	5300
12x4	SS-12-1-1RBMF-4	12100
12x6	SS-12-1-1RBMF-6	8700
12x8	SS-12-1-1RBMF-8	4900
16x4	SS-16-1-1RBMF-4	14900
16x6	SS-16-1-1RBMF-6	12200
16x8	SS-16-1-1RBMF-8	9400
16x12	SS-16-1-1RBMF-12	4600
2	SS-2-3FFF	6600
4	SS-4-3FFF	5900

TYLOK INTERNATIONAL, INC.
1061 EAST 260TH ST.,
EUCLID, OHIO,
44132-2877, USA

PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:	**Stainless Steel: ASTM A479-316/316L, ASTM A182-F316/316L**

Size	Part#	MAWP at 100°F (psig)
6	SS-6-3FFF	4400
8	SS-8-3FFF	3000
12	SS-12-3FFF	3400
16	SS-16-3FFF	2500
2	SS-2-2FF-2	6600
4	SS-4-2FF-4	5900
6	SS-6-2FF-6	4400
8	SS-8-2FF-8	3000
12	SS-12-2FF-12	3400
16	SS-16-2FF-16	2500
2	SS-2-2FM-2	6600
4	SS-4-2FM-4	5900
6	SS-6-2FM-6	4400
8	SS-8-2FM-8	3000
12	SS-12-2FM-12	3400
16	SS-16-2FM-16	2500
2	SS-2-2FMR-2	6600
4	SS-4-2FMR-4	5900
6	SS-6-2FMR-6	4400
8	SS-8-2FMR-8	3000
12	SS-12-2FMR-12	3400
16	SS-16-2FMR-16	2500
2	SS-2-2MM-2	6600
4	SS-4-2MM-4	5900
6	SS-6-2MM-6	4400
8	SS-8-2MM-8	3000
12	SS-12-2MM-12	3400
16	SS-16-2MM-16	2500
2	SS-2-3FFM-2	6600
4	SS-4-3FFM-4	5900
6	SS-6-3FFM-6	4400
8	SS-8-3FFM-8	3000
12	SS-12-3FFM-12	3400
16	SS-16-3FFM-16	2500
2	SS-2-3FMF-2	6600
4	SS-4-3FMF-4	5900
6	SS-6-3FMF-6	4400
8	SS-8-3FMF-8	3000

TYLOK INTERNATIONAL, INC.
1061 EAST 260TH ST.,
EUCLID, OHIO,
44132-2877, USA

PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:	**Stainless Steel: ASTM A479-316/316L, ASTM A182-F316/316L**

Size	Part#	MAWP at 100°F (psig)
12	SS-12-3FMF-12	3400
16	SS-16-3FMF-16	2500
2	SS-2-3MMM	6600
4	SS-4-3MMM	5900
6	SS-6-3MMM	4400
8	SS-8-3MMM	3000
12	SS-12-3MMM	3400
16	SS-16-3MMM	2500
4	SS-4-4FPCR	5900
8	SS-8-4FPCR	3000
1	SS-1-1MPP	11000
2	SS-2-1MPP	10100
4	SS-4-1MPP	8100
6	SS-6-1MPP	7800
8	SS-8-1MPP	7700
12	SS-12-1MPP	7300
16	SS-16-1MPP	5300

TYLOK INTERNATIONAL, INC.
1061 EAST 260TH ST.,
EUCLID, OHIO,
44132-2877, USA

PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:	**Brass: ASTM B16-C36000, ASTM B283-C37700**

Size	Part#	MAWP at 100°F (psig)
2	B-2-1CLN	5000
4	B-4-1CLN	4000
6	B-6-1CLN	3900
8	B-8-1CLN	3800
12	B-12-1CLN	3600
16	B-16-1CLN	2600
2	B-2-1FMA	3200
4	B-4-1FMA	3300
6	B-6-1FMA	2600
8	B-8-1FMA	2400
12	B-12-1FMA	2300
16	B-16-1FMA	2200
2	B-2-1FPC	3200
4	B-4-1FPC	3300
6	B-6-1FPC	2600
8	B-8-1FPC	2400
12	B-12-1FPC	2300
16	B-16-1FPC	2200
2x1	B-2-1FPRU-1	3200
4x2	B-4-1FPRU-2	3300
6x2	B-6-1FPRU-2	2600
6x4	B-6-1FPRU-4	2600
8x4	B-8-1FPRU-4	2400
8x6	B-8-1FPRU-6	2400
12x4	B-12-1FPRU-4	2300
12x8	B-12-1FPRU-8	2300
16x12	B-16-1FPRU-12	2200
16x12	B-16-1FPRU-12	2200
2	B-2-1FPU	3200
4	B-4-1FPU	3300
6	B-6-1FPU	2600
8	B-8-1FPU	2400
12	B-12-1FPU	2300
16	B-16-1FPU	2200
2	B-2-1HLN-X	5000
4	B-4-1HLN-X	4000
6	B-6-1HLN-X	3900
8	B-8-1HLN-X	3800

TYLOK INTERNATIONAL, INC.
1061 EAST 260TH ST.,
EUCLID, OHIO,
44132-2877, USA

PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:	**Brass: ASTM B16-C36000, ASTM B283-C37700**

Size	Part#	MAWP at 100°F (psig)
12	B-12-1HLN-X	3600
16	B-16-1HLN-X	2600
1	B-1-1HN	5500
2	B-2-1HN	5000
4	B-4-1HN	4000
6	N-6-1HN	3900
8	B-8-1HN	3800
12	B-12-1HN	3600
16	B-16-1HN	2600
2x1	B-2-1HRN-1	5500
4x2	B-4-1HRN-2	5000
6x2	B-6-1HRN-2	5000
6x4	B-6-1HRN-4	4000
8x2	B-8-1HRN-2	5000
8x4	B-8-1HRN-4	4000
8x6	B-8-1HRN-6	3900
12x2	B-12-1HRN-2	5000
12x4	B-12-1HRN-4	4000
12x6	B-12-1HRN-6	3900
12x8	B-12-1HRN-6	3900
16x2	B-16-1HRN-2	4000
16x4	B-16-1HRN-4	4000
16x6	B-16-1HRN-6	3900
16x8	B-16-1HRN-8	3800
16x12	B-16-1HRN-12	3600
2x1	B-2-1RAFM-1	3200
4x1	B-4-1RAFM-1	3300
4x2	B-4-1RAFM-2	3300
6x2	B-6-1RAFM-2	2600
6x4	B-6-1RAFM-4	2600
8x2	B-8-1RAFM-2	2400
8x4	B-8-1RAFM-4	2400
8x6	B-8-1RAFM-6	2400
12x4	B-12-1RAFM-4	2300
12x6	B-12-1RAFM-6	2300
12x8	B-12-1RAFM-8	2300
16x4	B-16-1RAFM-4	2200
16x6	B-16-1RAFM-6	2200

TYLOK INTERNATIONAL, INC.
1061 EAST 260TH ST.,
EUCLID, OHIO,
44132-2877, USA

PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:	**Brass: ASTM B16-C36000, ASTM B283-C37700**

Size	Part#	MAWP at 100°F (psig)
16x8	B-16-1RAFM-8	2200
16x12	B-16-1RAFM-12	2200
2x1	B-2-1-1RBMF-1	3300
4x2	B-4-1-1RBMF-2	3200
6x2	B-6-1-1RBMF-2	4900
6x4	B-6-1-1RBMF-4	2900
8x2	B-8-1-1RBMF-2	6300
8x4	B-8-1-1RBMF-4	4600
8x6	B-8-1-1RBMF-6	2600
12x4	B-12-1-1RBMF-4	6000
12x6	B-12-1-1RBMF-6	4300
12x8	B-12-1-1RBMF-8	2400
16x4	B-16-1-1RBMF-4	7400
16x6	B-16-1-1RBMF-6	6100
16x8	B-16-1-1RBMF-8	4700
16x12	B-16-1-1RBMF-12	2300
2	B-2-3FFF	3900
4	B-4-3FFF	3500
6	B-6-3FFF	2600
8	B-8-3FFF	1800
12	B-12-3FFF	2000
16	B-16-3FFF	1500
2	B-2-2FF-2	3900
4	B-4-2FF-4	3500
6	B-6-2FF-6	2600
8	B-8-2FF-8	1800
12	B-12-2FF-12	2000
16	B-16-2FF-16	1500
2	B-2-2FM-2	3900
4	B-4-2FM-4	3500
6	B-6-2FM-6	2600
8	B-8-2FM-8	1800
12	B-12-2FM-12	2000
16	B-16-2FM-16	1500
2	B-2-2FMR-2	3900
4	B-4-2FMR-4	3500
6	B-6-2FMR-6	2600
8	B-8-2FMR-8	1800

TYLOK INTERNATIONAL, INC.
1061 EAST 260TH ST.,
EUCLID, OHIO,
44132-2877, USA

PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:	**Brass: ASTM B16-C36000, ASTM B283-C37700**

Size	Part#	MAWP at 100°F (psig)
12	B-12-2FMR-12	2000
16	B-16-2FMR-16	1500
2	B-2-2MM-2	3900
4	B-4-2MM-4	3500
6	B-6-2MM-6	2600
8	B-8-2MM-8	1800
12	B-12-2MM-12	2000
16	B-16-2MM-16	1500
2	B-2-3FFM-2	3900
4	B-4-3FFM-4	3500
6	B-6-3FFM-6	2600
8	B-8-3FFM-8	1800
12	B-12-3FFM-12	2000
16	B-16-3FFM-16	1500
2	B-2-3FMF-2	3900
4	B-4-3FMF-4	3500
6	B-6-3FMF-6	2600
8	B-8-3FMF-8	1800
12	B-12-3FMF-12	2000
16	B-16-3FMF-16	1500
2	B-2-3MMM	3900
4	B-4-3MMM	3500
6	B-6-3MMM	2600
8	B-8-3MMM	1800
12	B-12-3MMM	2000
16	B-16-3MMM	1500
4	B-4-4FPCR	3500
8	B-8-4FPCR	1800
1	B-1-1MPP	5500
2	B-2-1MPP	5000
4	B-4-1MPP	4000
6	B-6-1MPP	3900
8	B-8-1MPP	3800
12	B-12-1MPP	3600
16	B-16-1MPP	2600

TYLOK INTERNATIONAL, INC.
1061 EAST 260TH ST.,
EUCLID, OHIO,
44132-2877, USA

PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:	**Steel: ASTM A105, ASTM A108 Grade 12L14, 1137, 1141, 1045**

Size	Part#	MAWP at 100°F (psig)
2	S-2-1CLN	10100
4	S-4-1CLN	8100
6	S-6-1CLN	7800
8	S-8-1CLN	7700
12	S-12-1CLN	7300
16	S-16-1CLN	5300
2	S-2-1FMA	6500
4	S-4-1FMA	6600
6	S-6-1FMA	5300
8	S-8-1FMA	4900
12	S-12-1FMA	4600
16	S-16-1FMA	4400
2	S-2-1FPC	6500
4	S-4-1FPC	6600
6	S-6-1FPC	5300
8	S-8-1FPC	4900
12	S-12-1FPC	4600
16	S-16-1FPC	4400
2x1	S-2-1FPRU-1	6500
4x2	S-4-1FPRU-2	6600
6x2	S-6-1FPRU-2	5300
6x4	S-6-1FPRU-4	5300
8x4	S-8-1FPRU-4	4900
8x6	S-8-1FPRU-6	4900
12x4	S-12-1FPRU-4	4600
12x8	S-12-1FPRU-8	4600
16x12	S-16-1FPRU-12	4400
16x12	S-16-1FPRU-12	4400
2	S-2-1FPU	6500
4	S-4-1FPU	6600
6	S-6-1FPU	5300
8	S-8-1FPU	4900
12	S-12-1FPU	4600
16	S-16-1FPU	4400
2	S-2-1HLN-X	10100
4	S-4-1HLN-X	8100
6	S-6-1HLN-X	7800
8	S-8-1HLN-X	7700

TYLOK INTERNATIONAL, INC.
1061 EAST 260TH ST.,
EUCLID, OHIO,
44132-2877, USA

PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:	**Steel: ASTM A105, ASTM A108 Grade 12L14, 1137, 1141, 1045**

Size	Part#	MAWP at 100°F (psig)
12	S-12-1HLN-X	7300
16	S-16-1HLN-X	5300
1	S-1-1HN	11000
2	S-2-1HN	10100
4	S-4-1HN	8100
6	S-6-1HN	7800
8	S-8-1HN	7700
12	S-12-1HN	7300
16	S-16-1HN	5300
2x1	S-2-1HRN-1	11000
4x2	S-4-1HRN-2	10100
6x2	S-6-1HRN-2	10100
6x4	S-6-1HRN-4	8100
8x2	S-8-1HRN-2	10100
8x4	S-8-1HRN-4	8100
8x6	S-8-1HRN-6	7800
12x2	S-12-1HRN-2	10100
12x4	S-12-1HRN-4	8100
12x6	S-12-1HRN-6	7800
12x8	S-12-1HRN-6	7700
16x2	S-16-1HRN-2	8100
16x4	S-16-1HRN-4	8100
16x6	S-16-1HRN-6	7800
16x8	S-16-1HRN-8	7700
16x12	S-16-1HRN-12	7300
2x1	S-2-1RAFM-1	6500
4x1	S-4-1RAFM-1	6600
4x2	S-4-1RAFM-2	6600
6x2	S-6-1RAFM-2	5300
6x4	S-6-1RAFM-4	5300
8x2	S-8-1RAFM-2	4900
8x4	S-8-1RAFM-4	4900
8x6	S-8-1RAFM-6	4900
12x4	S-12-1RAFM-4	4600
12x6	S-12-1RAFM-6	4600
12x8	S-12-1RAFM-8	4600
16x4	S-16-1RAFM-4	4400
16x6	S-16-1RAFM-6	4400

TYLOK INTERNATIONAL, INC.
1061 EAST 260TH ST.,
EUCLID, OHIO,
44132-2877, USA

PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:	**Steel: ASTM A105, ASTM A108 Grade 12L14, 1137, 1141, 1045**

Size	Part#	MAWP at 100°F (psig)
16x8	S-16-1RAFM-8	4400
16x12	S-16-1RAFM-12	4400
2x1	S-2-1-1RBMF-1	6500
4x2	S-4-1-1RBMF-2	5500
6x2	S-6-1-1RBMF-2	9900
6x4	S-6-1-1RBMF-4	6600
8x2	S-8-1-1RBMF-2	12700
8x4	S-8-1-1RBMF-4	9300
8x6	S-8-1-1RBMF-6	5300
12x4	S-12-1-1RBMF-4	12100
12x6	S-12-1-1RBMF-6	8700
12x8	S-12-1-1RBMF-8	4900
16x4	S-16-1-1RBMF-4	14900
16x6	S-16-1-1RBMF-6	12200
16x8	S-16-1-1RBMF-8	9400
16x12	S-16-1-1RBMF-12	4600
2	S-2-3FFF	6600
4	S-4-3FFF	5900
6	S-6-3FFF	4400
8	S-8-3FFF	3000
12	S-12-3FFF	3400
16	S-16-3FFF	2500
2	S-2-2FF-2	6600
4	S-4-2FF-4	5900
6	S-6-2FF-6	4400
8	S-8-2FF-8	3000
12	S-12-2FF-12	3400
16	S-16-2FF-16	2500
2	S-2-2FM-2	6600
4	S-4-2FM-4	5900
6	S-6-2FM-6	4400
8	S-8-2FM-8	3000
12	S-12-2FM-12	3400
16	S-16-2FM-16	2500
2	S-2-2FMR-2	6600
4	S-4-2FMR-4	5900
6	S-6-2FMR-6	4400
8	S-8-2FMR-8	3000

TYLOK INTERNATIONAL, INC.
1061 EAST 260TH ST.,
EUCLID, OHIO,
44132-2877, USA

PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:	**Steel: ASTM A105, ASTM A108 Grade 12L14, 1137, 1141, 1045**

Size	Part#	MAWP at 100°F (psig)
12	S-12-2FMR-12	3400
16	S-16-2FMR-16	2500
2	S-2-2MM-2	6600
4	S-4-2MM-4	5900
6	S-6-2MM-6	4400
8	S-8-2MM-8	3000
12	S-12-2MM-12	3400
16	S-16-2MM-16	2500
2	S-2-3FFM-2	6600
4	S-4-3FFM-4	5900
6	S-6-3FFM-6	4400
8	S-8-3FFM-8	3000
12	S-12-3FFM-12	3400
16	S-16-3FFM-16	2500
2	S-2-3FMF-2	6600
4	S-4-3FMF-4	5900
6	S-6-3FMF-6	4400
8	S-8-3FMF-8	3000
12	S-12-3FMF-12	3400
16	S-16-3FMF-16	2500
2	S-2-3MMM	6600
4	S-4-3MMM	5900
6	S-6-3MMM	4400
8	S-8-3MMM	3000
12	S-12-3MMM	3400
16	S-16-3MMM	2500
4	S-4-4FPCR	5900
8	S-8-4FPCR	3000
1	S-1-1MPP	11000
2	S-2-1MPP	10100
4	S-4-1MPP	8100
6	S-6-1MPP	7800
8	S-8-1MPP	7700
12	S-12-1MPP	7300
16	S-16-1MPP	5300

NOTES

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

Note 2: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used. Under the ASME B31.3 code the materials have the following MDMT values.

Stainless Steel: ASTM A479-316/316L, ASTM A182-F316/316L: MDMT = -425°F
Brass: ASTM B16-C36000 (Unlisted Material), ASTM B283-C37700 = -325°F
Steel: ASTM A105, ASTM A108 Grade 12L14, 1137, 1141 (Unlisted Material): MDMT = -20°F

Note 3: When used at elevated temperatures the following pressure Derating Factors apply.

Stainless Steel: ASTM A479-316/316L, ASTM A182-F316/316L

Temperature (°F)	Derating Factor
100	1.000
200	1.000
300	1.000
400	0.965
500	0.895
600	0.850
650	0.830
700	0.815
750	0.805
800	0.795
850	0.785
900	0.775
950	0.770
1000	0.765

Example:
Part # 1-1HN constructed from stainless steel has a pressure rating at 100°F equal to 11,000 psig. To determine the fitting pressure ratings at 500°F locate the Derating Factor for stainless steel from the charts. This factor is determined to be 0.895. Therefore, the pressure rating of Part # 1-1HN at 500°F is equal to 11,000 x 0.895 = 9845 psig.

Brass: ASTM B16-C36000, ASTM B283-C37700

Temperature (°F)	Derating Factor
100	1.000
150	0.940
200	0.900
250	0.870
300	0.830
350	0.750
400	0.200

NOTES CONTINUED

Steel: ASTM A105, ASTM A108 Grade 12L14, 1137, 1141, 1045

Temperature (°F)	Derating Factor
100	1.000
200	1.000
250	1.000

Note 4: When used under the ASME B31.1 code ASTM B283-C37700 is limited to 200°F maximum.

Note 5: See Attached ISO certificate for applicable manufacturing locations.

SCB
SYSTEMS CERTIFICATION BODY
AN IAPMO COMPANY

QUALITY MANAGEMENT SYSTEM CERTIFICATE

This certifies that the quality system of

Tylok International, Inc.

26000 Lakeland Boulevard, Euclid, OH 44132, USA

is registered by IAPMO SCB in recognition of a
Quality Management System, which fulfills the requirements of

ISO 9001:2015

Scope of Registration

Design and manufacture fittings, valves, and other fluid system components related to tube, pipe, and hose for domestic and global partners.

Certificate No: 1117996

Certificate Decision/Re-Issue Date:	06/04/2024
Certificate Issue Date:	07/02/2024
Certificate Expiry:	07/01/2027
Site Structure:	Multiple Sites

SHIRLEY DEWI, SR. VICE PRESIDENT OF
MANAGEMENT SYSTEM REGISTRATION SERVICES

909.230.5526 | WWW.IAPMOSCB.ORG
5001 E. PHILADELPHIA ST, ONTARIO, CA 91761-2816

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO/IEC 17021-1
MANAGEMENT SYSTEMS CERTIFICATION BODY

CERTIFIED BY
SCB
ISO 9001

QUALITY MANAGEMENT SYSTEM CERTIFICATE

Appendix to Certificate No: 1117996

Includes Facilities Located At (Multiple Sites):

Central Function: Tylok International, Inc.
26000 Lakeland Boulevard, Euclid, OH 44132, USA
Scope of Registration: *Company headquarters with management responsibility and authority for the Quality Management System, administration, strategic planning, strategic sourcing, continual improvement, communication processes, resource allocation, and training & development. Support activities at this location include quoting & ordering, customer & technical servicing, procuring, scheduling, designing, and product support engineering for Tylok products.*

Site #1: Tylok International, Inc.
26260 Lakeland Boulevard, Euclid, OH, 44132 USA
Scope of Registration: *The primary activities at this location include component manufacturing of Tylok products.*

Site #2: Tylok International, Inc.
1055 East 260th Street, Euclid, OH, 44132 USA
Scope of Registration: *Storage of yard equipment.*

Site #3: Tylok International, Inc.
1061 East 260th Street, Euclid, OH, 44132 USA
Scope of Registration: *The primary activities at this location include receiving, assembling, stocking, and distributing Tylok products.*

Site #4: Tylok International, Inc.
1071-1081 East 260th Street, Euclid, OH, 44132 USA
Scope of Registration: *The primary activities at this location include component manufacturing of Tylok products.*

Certificate Decision/Re-Issue Date:	06/04/2024
Certificate Issue Date:	07/02/2024
Certificate Expiry:	07/01/2027
Site Structure:	Multiple Sites