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Tel.: 416.734.3300
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Toll Free: 1.877.682.8772

www.tssa.org

March 06, 2013

DOUBLE LU
FITOK INCORPORATED
BLOCK C ZONE E AND BLOCK B ZONE D YINGTAI INDUSTRIAL AREA DALANG SOUTH ROAD
LANGKOU COMMUNITY DALANG STREET BAO'AN DISTRICT
SHENZHEN, P.R. CHINA
CN

Service Request Type: BPV-Fitting Registration
Service Request No.: 1025326
Your Reference No.:
Registered to: FITOK INCORPORATED

Dear DOUBLE LU,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN No.: 0C15868.5
Main Design No.: FITOK BV series Ball Valves and NF series Needle Valves
Expiry Date: 06-Mar-2023

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

The stamped copy of the approved registration and the invoice are mailed separately. Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Mark Valcic P. Eng.
Engineer BPV
Tel.: 416-734-3494
Fax: 416-231-6183
Email: mvalcic@tssa.org



TECHNICAL STANDARDS & SAFETY AUTHORITY
 14th Floor, Centre Tower
 3300 Bloor Street West
 Toronto, Ontario
 Canada M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

Gigalok

STATUTORY DECLARATION

Registration of Fittings

I, Wang Fan, Quality Manager
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of FITOK Incorporated
(Name of Manufacturer)

Located at Block C, Zone E and Block B, Zone D, Yingtai Industrial Area, Dalang South Road, Langkou Community, Dalang Street, Bao'an District, Shenzhen, P.R. China, 86-0755-28032500, 86-0755-28032508
(Plant Address) (Telephone No.) (Fax No.)

do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME B31.1/B31.3 as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2008 which has been verified by the following authority, DNV(DET NORSKE VERITAS). The items covered by this declaration, for which I seek registration, are category C type fittings. In support of this application, the following information and/or test data are attached as follows:

Supporting Documents for Valves' CRN Registration, such as ISO 9001:2008 Certification, product catalogue, drawings, etc.

(drawings, calculations, test reports, etc.)

Declared before me at Shenzhen in the Province of Guangdong
 the 22nd day of February AD 2013.

Commissioner for Oaths:

(Printed name)

(Signature)

Wang Fan
(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category C.

CRN: 0C15868.5
 Registered by: MARK VALCIC, P.ENG.

Dated: MARCH 6, 2013
 NOTE: This registration expires on MARCH 6, 2023

Technical Standards and Safety Authority
 Boilers and Pressure Vessels Safety Program

REGISTERED

CRN: 0C15868.5

Signed: M Valcic

Date: MARCH 6, 2013

NOTE: SEE THE ATTACHED THREE (3) PAGES FOR THE SCOPE OF REGISTRATION. MARCH 6, 2013

Valves for CRN Registration

Specifications		Material	Maximum working pressure,psig (MPa)	working temperature, F(°C)	
BV series of ball valves	Straight ball Valves	BVSS-FL1-01	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FL2-02	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FRT2-04	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FRP2-04	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FNS2-04	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-RT2-04	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-BP2-04	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-NS2-04	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-RT4-04	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-BP4-04	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-NS4-04	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FL4-05	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FL6-06	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FRT4-06	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FRP4-06	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FNS4-06	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-RT4-06	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-BP4-06	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-NS4-06	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-RT6-06	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-BP6-06	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-NS6-06	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FL8-10	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FL12-10	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FRT6-10	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FRP6-10	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FNS6-10	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FRT8-10	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FRP8-10	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FNS8-10	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
BVSS-FRT12-10	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
BVSS-FRP12-10	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
BVSS-FNS12-10	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
BVSS-RT8-10	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
BVSS-BP8-10	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
BVSS-NS8-10	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
BVSS-RT12-10	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
BVSS-BP12-10	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
BVSS-NS12-10	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		

Valves for CRN Registration

Specifications		Material	Maximum working pressure,psig (MPa)	working temperature, F(°C)	
BV series of ball valves	3-way ball Valves	BVSS-FL1-01-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FL2-02-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FRT2-04-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FRP2-04-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FNS2-04-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-RT2-04-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-BP2-04-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-NS2-04-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-RT4-04-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-BP4-04-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-NS4-04-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FL4-05-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FL6-06-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FRT4-06-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FRP4-06-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FNS4-06-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-RT4-06-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-BP4-06-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-NS4-06-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-RT6-06-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-BP6-06-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-NS6-06-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FL8-10-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FL12-10-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FRT6-10-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FRP6-10-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FNS6-10-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FRT8-10-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FRP8-10-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FNS8-10-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
BVSS-FRT12-10-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
BVSS-FRP12-10-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
BVSS-FNS12-10-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
BVSS-RT8-10-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
BVSS-BP8-10-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
BVSS-NS8-10-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
BVSS-RT12-10-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
BVSS-BP12-10-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
BVSS-NS12-10-3	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		

0C15868.5
 March 6/13

Valves for CRN Registration

Specifications		Material	Maximum working pressure,psig (MPa)	working temperature, F(°C)	
BV series of ball valves	Angle Pattern ball Valves (bottom port inlet/side port inlet)	BVSS-FL1-01-A (L)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FL2-02-A (L)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FRT2-04-A (L)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FRP2-04-A (L)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FNS2-04-A (L)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-RT2-04-A (L)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-BP2-04-A (L)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-NS2-04-A (L)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-RT4-04-A (L)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-BP4-04-A (L)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-NS4-04-A (L)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FL4-05-A (L)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FL6-06-A (L)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FRT4-06-A (L)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		BVSS-FRP4-06-A (L)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
BVSS-FNS4-06-A (L)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
NF series of needle valves	Straight Pattern needle valves(Angle Pattern needle valves)	NFSS-FNS2-7 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-FNS4-7 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-FL4-7 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-NS6-7 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-FO4-7 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-FR4-7 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-FNS4-8 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-FNS6-8 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-NS6-8 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-FL6-8 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-FNS8-8 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-NS8-8 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-FL8-8 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-TS6-8 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-TS8-8 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-FO8-8 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-FR8-8 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-FNS8-9 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-FNS12-9 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-NS8-9 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-NS12-9 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-FL12-9 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-TS12-9 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-PS8-9 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-FO12-9 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-FR8-9 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-FNS12-6 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
		NFSS-TS16-6 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)
NFSS-PS12-6 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
NFSS-PB12-6 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
NFSS-FL12-6 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
NFSS-FL16-6 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
NFSS-FNS16-0 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
NFSS-TS16-0 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
NFSS-PS12-0 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		
NFSS-PB16-0 (A)	316 SS	6000 (41.4MPa)	-65~450(-54~232°C)		

OC/5868.5

Part of Safety Audit
Pressure Vessel
Safety Program

MARCH 6/12



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March 06, 2013

DOUBLE LU
FITOK INCORPORATED
BLOCK C ZONE E AND BLOCK B ZONE D YINGTAI INDUSTRIAL AREA DALANG SOUTH ROAD
LANGKOU COMMUNITY DALANG STREET BAO'AN DISTRICT
SHENZHEN, P.R. CHINA
CN

Service Request Type: BPV-Fitting Registration
Service Request No.: 1025342
Your Reference No.: TUBE FITTINGS
Registered to: FITOK INCORPORATED

Dear DOUBLE LU,

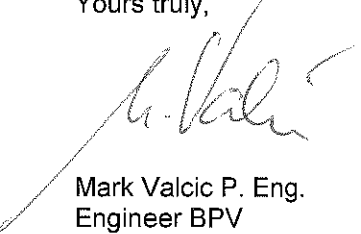
Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN No.: **0A15868.5**
Main Design No.: FITOK Pipe fittings: Connectors, Unions, Elbows, Tees and Crosses - Full scope of registration per attachment (two pages) to the Statutory Declaration.
Expiry Date: 06-Mar-2023

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

The stamped copy of the approved registration and the invoice are mailed separately. Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,


Mark Valcic P. Eng.
Engineer BPV
Tel.: 416-734-3494
Fax: 416-231-6183
Email: mvalcic@tssa.org



TECHNICAL STANDARDS & SAFETY AUTHORITY
 14th Floor, Centre Tower
 3300 Bloor Street West
 Toronto, Ontario
 Canada M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

Gigalok

STATUTORY DECLARATION

Registration of Fittings

I, Wang Fan, Quality Manager
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of FITOK Incorporated
(Name of Manufacturer)

Located at Block C, Zone E and Block B, Zone D, Yingtai Industrial Area, Dalang South Road, Langkou Community, Dalang Street, Bao'an District, Shenzhen, P.R. China, 86-0755-28032500, 86-0755-28032508
(Plant Address) (Telephone No.) (Fax No.)

do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of

(Title of recognized North American Standard)
 which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME B31.1/B31.3 as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2008 which has been verified by the following authority, DNV(DET NORSE VERITAS). The items covered by this declaration, for which I seek registration, are category A type fittings. In support of this application, the following information and/or test data are attached as follows:

See attachments: Supporting Documents for CRN Registration (Tube Fittings).
(drawings, calculations, test reports, etc.)

Declared before me at Shenzhen in the Province of Guangdong

the 22nd day of February AD 2013.

Commissioner for Oaths:

(Printed name)

(Signature)

Wang Fan
(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category A.

CRN: 0A15868.5
 Registered by: MARU VALCIC, P. ENG.
 Dated: MARCH 6, 2013

NOTE: This registration expires on MARCH 6, 2013

Technical Standards and Safety Authority Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0A15868.5
 Signed: Wang Fan
 Date: MARCH 6, 2013

NOTE: SEE THE ATTACHED TWO (2) PAGES FOR THE SCOPE OF REGISTRATION.
Wang Fan March 6/13

Tube Fittings for CRN Registration

Specifications	Connection 1		Connection 2		Material	Standard
		Size Range(in.)		Size Range(in.)		
Male Connectors	T-Tube	1/16 to 1 1/2	P-NPT	1/16 to 1 1/2	316 SS	ASME B31.1/31.3
	T-Tube	1/8 to 1	P-RT	1/8 to 1	316 SS	
	T-Tube	1/8 to 1	P-RS	1/8 to 1	316 SS	
	T-Tube	1/8 to 1	P-RP	1/8 to 1	316 SS	
	T-Tube	1/4 to 3/8	P-BP	3/8 to 3/8	316 SS	
	T-Tube	1/16 to 1 1/2	P-SAE/MS	5/16 to 1 7/8	316 SS	
	T-Tube	1/4 to 1/2	P-SAE/MS	7/16 to 3/4	316 SS	
	T-Tube	1/16 to 1	O-Seal with P-SAE/MS	5/16 to 1 5/16	316 SS	
	T-Tube	1/8 to 1/2	O-Seal with P-NPT	1/8 to 1/2	316 SS	
Bulkhead Male Connectors	T-Tube	1/16 to 1	P-NPT	1/16 to 1	316 SS	
Thermocouple Connectors	T-Tube	1/16 to 1	P-NPT	1/16 to 1	316 SS	
Female Connectors	T-Tube	1/16 to 1 1/2	P-NPT	1/16 to 1 1/2	316 SS	
	T-Tube	1/4 to 1/2	P-RT	1/8 to 1/2	316 SS	
	T-Tube	1/8 to 1/2	P-RG	1/4 to 1/2	316 SS	
	T-Tube	1/4 to 1/2	P-RJ	1/4 to 1/2	316 SS	
Bulkhead Female Connectors	T-Tube	1/16 to 1	P-NPT	1/16 to 1	316 SS	
Unions	T-Tube	1/16 to 1 1/2	T-Tube	1/16 to 1 1/2	316 SS	
Reducing Unions	T-Tube	1/8 to 1	Tx-Tube	1/16 to 3/4	316 SS	
Bulkhead Unions	Tx-Tube	1/16 to 1 1/2	Tx-Tube	1/16 to 1 1/2	316 SS	
Bulkhead Reducing Unions	T-Tube	1/4 to 1/2	Tx-Tube	1/8 to 1/4	316 SS	
Male Elbows	T-Tube	1/16 to 1 1/2	P-NPT	1/16 to 1 1/2	316 SS	
	T-Tube	1/8 to 1	P-RT	1/8 to 1	316 SS	
45° Male Elbows	T-Tube	1/16 to 1	P-NPT	1/16 to 1	316 SS	
Adjustable Male Elbows	T-Tube	1/4 to 1 1/2	P-SAE/MS	7/16 to 1 7/8	316 SS	
	T-Tube	1/4 to 1	P-PP	1/8 to 1	316 SS	

THIS IS PART OF
CRN 0415868.5
 Industrial Machinery Safety Authority
 Boilers & Pressure Vessels
 Safety Program
labeled March 6/13

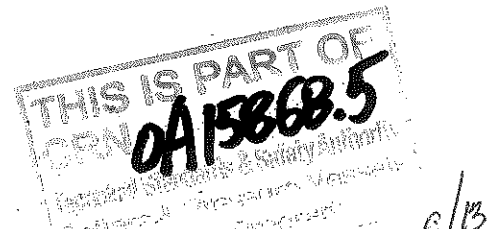
Tube Fittings for CRN Registration

Specifications	Connection 1		Connection 2		Material	Standard
		Size Range(in.)		Size Range(in.)		
45° Adjustable Male Elbows	T-Tube	1/4 to 1	P-SAE/MS	7/16 to 1 5/16	316 SS	ASME B31.1/31.3
Female Elbows	T-Tube	1/16 to 1	P-NPT	1/16 to 1	316 SS	
Union Elbows	T-Tube	1/16 to 1 1/2	T-Tube	1/16 to 1 1/2	316 SS	
Union Reducing Elbows	T-Tube	3/16 to 1	Tx-Tube	1/8 to 3/4	316 SS	
Male Branch Tees	T-Tube	1/8 to 1	P-NPT	1/8 to 1	316 SS	
Male Run Tees	T-Tube	1/8 to 1	P-NPT	1/8 to 1	316 SS	
Adjustable Male Branch Tees	T-Tube	1/4 to 1 1/2	P-SAE/MS	7/16 to 1 7/8	316 SS	
	T-Tube	1/4 to 1	P-PP	1/8 to 1	316 SS	
Adjustable Male Run Tees	T-Tube	1/4 to 1 1/2	P-SAE/MS	7/16 to 1 7/8	316 SS	
	T-Tube	1/4 to 1	P-PP	1/8 to 1	316 SS	
Female Branch Tees	T-Tube	1/8 to 1	P-NPT	1/8 to 1	316 SS	
Female Run Tees	T-Tube	1/8 to 1	P-NPT	1/8 to 1	316 SS	
Weld Connectors	T-Tube	1/8 to 1	Tube Socket Weld	1/8 to 1	316 SS	
	T-Tube	1/8 to 1 1/2	Pipe Butt Weld	1/8 to 1 1/2	316 SS	
Weld Elbows	T-Tube	1/8 to 1	Tube Socket Weld	1/8 to 1	316 SS	
	T-Tube	1/8 to 1	Pipe Butt Weld	1/8 to 1	316 SS	

Specifications	Connection 1/2/3		Material	Standard
		Size Range(in.)		
Union Tees	T-Tube	1/16 to 1 1/2	316	ASME B31.1/31.3

Specifications	Connection 1/2		Connection 3		Material	Standard
		Size Range(in.)		Size Range(in.)		
Reducing Union Tees	T-Tube	1/4 to 1 1/2	T-Tube	1/8 to 1	316 SS	ASME B31.1/31.3

Specifications	Connection 1/2/3/4		Material	Standard
		Size Range(in.)		
Union Crosses	T-Tube	1/8 to 1	316 SS	ASME B31.1/31.3



Walter M... 6/13