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May 07, 2019

STEPHEN HARKNESS **CEMCORP LTD** 2181 DUNWIN DR MISSISSAUGA ON L5L 1X2 CA

Service Request Type: BPV-Fitting Registration

Service Request No.: 2569598 Your Reference No.: 1922-1

Registered to: YO BRONZE ENTERPRISE CO., LTD

Dear STEPHEN HARKNESS,

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

CRN No.: 0A12949.5R1

Main Design No.: CRN Renewal: ASME B16.18 Cast Copper Fittings (see the attachment to the

Statutory Declaration Form for the scope of registration).

Expiry Date: 07-May-2029

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 Specialist BPV** Tel.: 416-734-3494

Fax: 416-231-1626

Email: mvalcic@tssa.org

YO Bronze Enterprise Co., Ltd.

Scope of Registaton
Products Description & Catalog / Brochure / Data-Shee No.

Product Model	ASME/ANSI Design Standard	Size	Std. Pressure Class Or MAWP	Actual wall Thickness v.s. Min. required	Ref. Calculation No. or Proof test report	ASME material Specification
			@Max. Temperature	(if no proof test report)		Opecinication
BC-1104	ASME B16.18-2018	1/2"	720psi @-29°C~38°C	2.2 v.s. 2.07mm	N/A	C84400/C83600/C89844
BC-1106	ASME B16,18-2018	3/4"	580psi @-29°C~38°C	2.4 v.s. 2,25mm	N/A	C84400/C83600/C89844
BC-1110	ASME B16,18-2018	1*	490psi @-29°C ~38°C	2.6 v.s. 2,52mm	N/A	C84400/C83600/C89844
BC-110406	ASME B16,18-2018	½"x¾"	720psi @-29°C ~38°C	2.3 v.s. 2.07mm	N/A	C84400/C83600/C89844
BC-110604	ASME B16.18-2018	3/4"X1/2"	580psi @-29°C ~38°C	2.4 v.s. 2.25mm	N/A	C84400/C83600/C89844
BC-1304	ASME B16,18-2018	1/2"	720psi @-29°C~38°C	2.2 v.s. 2.07mm	N/A	C84400/C83600/C89844
BC-1306	ASME B16.18-2018	3/4"	580psi @-29°C ~38°C	2.4 v.s. 2.25mm	N/A	C84400/C83600/C89844
BC-1310	ASME B16.18-2018	1*	490psi @-29°C ~38°C	2.6 v.s. 2.52mm	N/A	C84400/C83600/C89844
BC-130403	ASME B16,18-2018	1/2"x3/4"	720psi @-29°C ~38°C	2,2 v.s. 2.07mm	N/A	C84400/C83600/C89844
BC-130604	ASME B16.18-2018	3/4"x1/4"	580psi @-29°C~38°C	2.4 v.s. 2.25mm	N/A	C84400/C83600/C89844
BC-1404	ASME B16.18-2018	1/2"	720psi @-29℃~38℃	2.2 v.s. 2.07mm	N/A	C84400/C83600/C89844
BC-1406	ASME B16,18-2018	3/4*	580psi @-29℃~38℃	2.4 v.s. 2.25mm	N/A	C84400/C83600/C89844
BC-1504	ASME B16.18-2018	1/2"	720psi @-29°C~38°C	2.3 v.s. 2.07mm	N/A	C84400/C83600/C89844
BC-1506	ASME B16.18-2018	3/4"	580psi @-29°C ~38°C	2.4 v.s. 2.25mm	N/A	C84400/C83600/C89844
BC-1510	ASME B16.18-2018	1"	490psi @-29℃~38℃	2,6 v.s. 2.52mm	N/A	C84400/C83600/C89844
BC-150604	ASME B16.18-2018	3/4"X1/5"	580psi @-29°C~38°C	2,3 v.s. 2,25mm	N/A	C84400/C83600/C89844
BC-1606	ASME B16.18-2018	3/4"×1/8"×3/4"	580psi @-29°C~38°C	2.7 v.s. 2.25mm	N/A	C84400/C83600/C89844
BC-1804	ASME B16,18-2018	1/2*	720psi @-29°C~38°C	2.2 v.s. 2.07mm	N/A	C84400/C83600/C89844
BC-1806	ASME B16.18-2018	3/4	580psi @-29°C~38°C	2.3 v.s. 2.25mm	N/A	C84400/C83600/C89844
BC-3004	ASME B16.18-2018	1/2"	720psi @-29°C ~38°C	2,2 v.s. 2,07mm	N/A	C84400/C83600/C89844
BC-3006	ASME B16.18-2018	3/4"	580psi @-29°C ~38°C	2.3 v.s. 2.25mm	N/A	C84400/C83600/C89844
BC-31664	ASME B16.18-2018	3/4" X3/4" X3/2"	580psi @-29°C~38°C	2.4 v.s. 2.25mm	N/A	C84400/C83600/C89844
BC-31446	ASME B16.18-2018	1/2"×1/2"×3/4"	720psi @-29°C~38°C	2.3 v.s. 2.07mm	N/A	C84400/C83600/C89844
BC-3304	ASME B16.18-2018	1/2"	720psi @-29°C~38°C	2.2 v.s. 2.07mm	N/A	C84400/C83600/C89844
BC-3306	ASME B16.18-2018	3/4"	580psi @-29°C~38°C	2.3 v.s. 2.25mm	N/A	C84400/C83600/C89844
BC-33646	ASME B16.18-2018	3/4" X1/2" X3/4"	580psi @-29°C~38°C	2.3 v.s.2,25mm	N/A	C84400/C83600/C89844
BC-2004	ASME B16.18-2018	1/2"	720psi @-29°C~38°C	2.3 v.s. 2.07mm	N/A	C84400/C83600/C89844
BC-2006	ASME B16,18-2018	3/4"	580psi @-29°C~38°C	2.4 v.s. 2.25mm	N/A	C84400/C83600/C89844
BC-2010	ASME B16.18-2018	1**	490psi @-29°C~38°C	2.5 v.s. 2.52mm	N/A	C84400/C83600/C89844
BC-2012	ASME B16.18-2018	11/4"	435psi @-29°C~38°C	2,8 v.s. 2,70mm	N/A	C84400/C83600/C89844
BC-2015	ASME B16.18-2018	1½"	405psi @-29°C~38°C	3.1 v.s. 2,97mm	N/A	C84400/C83600/C89844
BC-2020	ASME B16.18-2018	2*	360psi @-29°C~38°C	3,6 v.s. 3.42mm	N/A	C84400/C83600/C89844
BC-2025	ASME B16.18-2018	2½"	335psi @-29°C~38°C	4.0 v.s. 3.87mm	N/A	C84400/C83600/C89844
BC-2030	ASME B16.18-2018	3*	315psi @-29°C~38°C	4.6 v.s, 4.32mm	N/A	C84400/C83600/C89844
BC-2040	ASME B16.18-2018	4"	290psi @-29°C~38°C	5.1 v.s. 5.04mm	N/A	C84400/C83600/C89844
BC-2104	ASME B16,18-2018	1/2"	720psi @-29°C~38°C	2.3 v.s. 2.07mm	N/A	C84400/C83600/C89844
BC-2106	ASME B16.18-2018	3/4"	580psi @-29°C~38°C	2.4 v.s. 2.25mm	N/A	C84400/C83600/C89844
BC-2110	ASME B16.18-2018	1*	490psi @-29℃~38℃	2.5 v.s. 2.52mm	N/A	C84400/C83600/C89844
BC-2112	ASME B16.18-2018	11/4"	435psi @-29°C~38°C	2.8 v.s. 2.70mm	N/A	C84400/C83600/C89844
BC-2115	ASME B16,18-2018	1½"	405psi @-29°C~38°C	3.1 v.s. 2.97mm	N/A	C84400/C83600/C89844
BC-2120	ASME B16.18-2018	2*	360psi @-29℃~38℃	3.6 v.s. 3.42mm	N/A	C84400/C83600/C89844
BC-2125	ASME B16.18-2018	2½"	335psi @-29°C~38°C	4.0 v.s. 3,87mm	N/A	C84400/C83600/C89844
BC-2130	ASME B16.18-2018	3"	315psi @-29°C~38°C	4.6 v.s. 4.32mm		C84400/C83600/C89844
BC-2140	ASME B16.18-2018	4°	290psi @-29°C~38°C	5.1 v.s. 5.04mm		A made

CRNOPIZ 9495P



Technical Standards and Safety F Jthority 345 Carlingview Drive Toronto, Ontario M9W 6N9 www.tssa.org

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

OY

STATUTORY DECLARATION Registration of Fittings							
L Ching-Wen Chang / International Sale Manager							
(Name and Position, e.g. President, Plant Manager, Chief Engineer)							
of YO Bronze Enterprise Co., Ltd.,							
(Name of Manufacturer)							
Located at No.140, NanLingRd., YaGouLi, Homei Town, ChangHua, Taiwan (Plant Address)	886-4-7550935 886-4-7564708						
do solemnly declare that the fittings listed hereunder, which are subject to the <i>Technical Standards and Safety Act</i> , Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B16.18-2018							
(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 _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 SO 9001:2015 which has been verified by the following authority, ANAB/ICR							
The items covered by this declaration, for which I seek registration, are category A(Solder Joint Pressure Fitting type fittings. In support of this application, the following information and/or-test data are attached as follows: See the attached PRODUCTS DRAWINGS, INSPECTION & TEST REPORT							
(drawings, calculations, test reports, etc.)							
Declared before me at4F, No.182, Tsshiou Rd., in theChangHua CityofTaiwan							
(Signature) Un Chang Ching - Wan							
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 a depted for registration in Catagory	Tochnical Boilers and Standards Pressure Vessels Authority Safety Program						
Registered by: MARIN VALCIC, P.ENG	CRN 0A12949.5RI						
Pated: MAY 7, Pol9	Signed: Wal						
NOTE: This registration expires on: May 7, 2029	Date: / MAY 7, 66019						
Information provided in this application is releasable under the Fre Protection Act and may be disclosed upon request.	edom of Information and Privacy FREGISTIATION WOW MAY 7/19						