

March 20, 2010

Attention: Tanya Francis
TECHNICAL STANDARDS & SAFETY AUTHORITY
3300 BLOOR STREET WEST
14 FLOOR CENTRE TOWER
TORONTO, ON M8X 2X4

The design submission, tracking number 2009-04762, originally received on September 01, 2009 was surveyed and accepted for registration as follows:

CRN : 0F12994.52	Accepted on: March 20, 2010
Reg Type: Addition to Acc. Fitting	Expiry Date: May 01, 2019
Drawing No. : PACKAGE PRP01-DS-001 Rev 1	
Fitting type: DIAPHRAGM SEALS PER TABLE MAWP-02	
Design registered in the name of : ASHCROFT INC	

The registration is conditional on your compliance with the following notes:

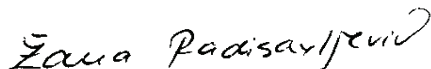
- TSSA service request 175134

This registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3369 or fax (780) 437-7787 or e-mail Radisavljevic@absa.ca.

Sincerely,



RADISAVLJEVIC, ZANA, R.E.T.



the pressure equipment safety authority

STATUTORY DECLARATION
Registration of Fittings



I, Robert D Thomas,
VP Development
(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)
of Ashcroft Inc
(name of manufacturer)
located at 250 Main Street, Stratford, CT, 06614, USA
(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- comply with the requirements of _____ which specifies the dimensions, (title of recognized North American Standard) materials of construction, pressure/temperature ratings and identification marking of the fittings, or
- are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME VIII, Div.1, 2008 as supported by the attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, LRQA Inc, Houston UQA100118 as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are Diaphragm Seals

In support of this application, the following information, calculations and/or test data are attached:
PRP02-DS-001, Rev 1; MAWP-02

DECLARED before me at Stratford in the COUNTY of Stairfield, CT
this 16th day of November, 2009
(Month) (Year)
(print) Olimpia DeCrescenzo
(sign) O.M. DeCrescenzo (A Commissioner for Oaths)
Robert D Thomas
(Signature of Applicant)

For Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category F

Registration Number: 0 F 1 2 9 9 4 . 5 2 Zana P. ZANA RADISAVLJEVIC

Date Registered: MAR 20 2010 (For the Administrator/Chief Inspector of Alberta)
Expiry Date: May 1, 2019

ASHCROFT INC.

250 East Main Street, Stratford, CT, USA 06614. Tel 203.378.8281. Fax 203.365.0408.

MAWP-02

Ashcroft Diaphragm Seal Type	Size (in) (1)	Diaphragm Material (4)	Bottom Housing Material (4)	MAWP at ambient (psi or ASME B16.5 class #) (3)			Maximum Design Temperature T (°F)	MAWP at Maximum Design Temperature (psi or ASME B16.5 class #) (3)			Codes of Construction
				Seal A	Seal B	Seal C		Seal A	Seal B	Seal C	
100, 101, 104, 107 (105)	1/4, 1/2, 3/4, 1, 1.5, 2, 3, 4	Metallic	Metallic	1250			750	730			ASME B31.1
	200					74, 125, 150	200, 125, 80 (2)				
	150#					750	150#				
102, 103	1/2, 3/4, 1, 1.5, 2, 3	Metallic	Teflon	290			150	270			ASME B31.3
	75					100	75				
						750					
200, 201, 204, 207, 209	1/4, 1/2, 3/4, 1, 1.5, 2, 3, 4	Metallic	Metallic		1250		750		730		ASME B16.5
				1250		400		875			
				500		350		365			
202, 203	1/2, 3/4, 1, 1.5, 2, 3	Metallic	PVC or Kynar		500		212		425		ASME B16.5
				200		74, 125, 150		200, 125, 80 (2)			
				150#		74, 125, 150		200, 125, 80 (2)			
300, 301, 304	1/4, 1/2, 3/4, 1, 1.5	Metallic	Metallic				400		150#		ASME Boiler & Pressure Vessel Code
						350		270			
						212		270			
302, 303	1/2, 3/4, 1, 1.5, 2, 3	Metallic	Teflon		290		150		270		CSA C22.2 61010-1 ANNEX G
				290		74, 125, 150		200, 125, 80 (2)			
				200		100		75			
500, 501, 400, 401, 402, 403	1/4, 1/2, 3/4, 1, 1.5, 2, 3	Metallic	Metallic				400		150#		ASME B16.5
						350		270			
						212		270			
500, 501, 400, 401, 402, 403	1/4, 1/2, 3/4, 1, 1.5, 2, 3	Metallic	Teflon		500		100		75		ASME B16.5
				4400		750		290			
				150#, 300#, 600#		75		150#, 300#, 600#			

Notes:

- (1) Types 104, 204, and 304 not available in 1.5". Types 107 and 207 also available in 2". (consult factory). Only Type 105, 205 available in 3" and 4"
- (2) Maximum Allowable Working Pressure (MAWP) at respective Maximum Design Temperature. (consult factory)
- (3) Seal A - Threaded capsule diaphragm; Seal B - Welded and clamped or welded only diaphragm; Seal C - Bonded/Welded and Clamped or Clamped only diaphragm (consult factory)
- (4) Nickel constructions excluded. Metallic materials UNS S31603 equivalent or stronger are qualified under this CRN registration. (consult factory)

OF 12994.52
ER

ASSOCIATION OF FITTINGS
OF 12994.52
peleka H
 REG. NO. CAT. NO. REP. NO. DS. 21 Bu. 1
 Diaphragm size 15 PC
 TYPE OF FITTINGS table MAWP-02
 MAR-20-2010 INITIALS *Zana P.*
 ZANA RADISAVLJEVIC, R.E.T.

ASSOCIATION OF FITTINGS
 CSA C22.2
 61010-1
 ANNEX G