



TECHNICAL STANDARDS & SAFETY AUTHORITY
14TH FLOOR CENTRE TOWER-3300 BLOOR STREE
TORONTO ON M8X 2X4

Date: October 9, 2009
Account #: 35231
Journal #: 47786
Our File #: 4122432

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA Service Request No: 175144, for a Fitting is accepted for registration as follows:

Registered To: ASHCROFT INC **CRN:** 0F12994.51(ADD1)

Drawing #: SEE ATTACHMENTS

Drawing Revision: -

Conditions Of Registration:

1.CRN updated to include Diaphragm Seals 105 & 205. See attachments for scope of this CRN.

	<u>Amount</u>	<u>GST</u>	<u>Total</u>
Fee for reviewing your design:	\$216.00	\$10.80	\$226.80
Total:	\$216.00	\$10.80	\$226.80
Less amount received with submission:			\$0.00
An invoice for \$226.80 will follow.			\$226.80

Contact me if you have any questions.

ROMEO TUAZON
(778) 396-2031
Romeo.Tuazon@safetyauthority.ca
Design Engineer

cc:



250 East Main Street, Stratford, CT, USA 06614. Tel 203.378.8281. Fax 203.385.0408.

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, 3, 4	Metallic	Metallic	1250			750	730			ASME B31.1	
			PVC or Kynar	200			74, 125, 150	200, 125, 80 (2)				
102, 103	1/2, 3/4, 1, 1.5, 2, 3		Metallic		150#			750	150#			
			Teflon		290			150	270			
200, 201, 204, 207, 205	1/4, 1/2, 3/4, 1, 1.5, 3, 4	Metallic	Metallic			1250	750			730		ASME B31.3
		Teflon				1250	400			875		
		Viton				500	350			365		
		Kalrez				500	212			425		
		Metallic	PVC or Kynar			200	74, 125, 150			200, 125, 80 (2)		
				Nonmetallic		200	74, 125, 150			200, 125, 80 (2)		
202, 203	1/2, 3/4, 1, 1.5, 2, 3	Metallic	Metallic			150#, 300#, 600#	750			150#, 300#, 600#	ASME B16.5	
		Teflon					400					
		Viton				150#	350			150#		
		Kalrez					212					
	1, 1.5, 2	Metallic	Teflon			290	150			270	ASME Boiler & Pressure Vessel Code	
			Nonmetallic			290				270		
			PVC or Kynar	Metallic			200	74, 125, 150				200, 125, 80 (2)
				Nonmetallic			75	100				75
300, 301, 304	1/4, 1/2, 3/4, 1, 1.5	Metallic	Metallic	Teflon			1250	400		875	CSA C22.2 61010-1 ANNEX G	
				Viton			500	350		365		
				Kalrez			500	212		425		
				PVC or Kynar			200	74, 125, 150				200, 125, 80 (2)
302, 303	1/2, 3/4, 1, 1.5, 2, 3	Metallic	Metallic			150#	400			150#		
							350					
							212					
	1.5, 2	Nonmetallic	Teflon			290	150			270		
			PVC or Kynar			75	100			75		
500, 501	1/4, 1/2, 3/4, 1	Metallic	Metallic			500			290	CSA C22.2 61010-1 ANNEX G		
400, 401					4400			750	2580			
402, 403	1/2, 3/4, 1, 1.5, 2, 3					150#, 300#, 600#					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)