

345 Carlingview Drive Toronto, Ontario M9W 6N9 Tel.: 416.734.3300 Fax: 416.231.1626 Toll Free: 1.877.682.8772

www.tssa.org

December 31, 2019

SCOTT ISLIP ROUND ENGINEERING INC 10 SEGWUN RD WATERDOWN ON L8B 0K6 CA

Service Request Type: BPV-Fitting Registration

Service Request No.: 2747412 Your Reference No.: R-1179

Registered to: WATSON MCDANIEL

Dear SCOTT ISLIP,

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

CRN No.: 0E22093.5

Main Design No.: LIQUID DRAINER/AIR ELIMINATOR SERIES WLD1800, AE1800 - SEE SCOPE

OF REGISTRATION

Expiry Date: 31-Dec-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,

Charley Dong, M.Sc. P.Eng. Mechanical Engineer

Tel.: 416-734-3436 Fax: 416-231-6183 Email: cdong@tssa.org



TECHNICAL STANDARDS & SAFETY AUTHORITY

14th Floor, Centre Tower 3300 Bloor Street West Toronlo, Ontario Canada M8X 2X4 Show facsimile of manufacturer's logo or trademark, as it will appear on the litting, in the space below



STATUTORY DECLARATION Registration of Fittings					
ROBERT	HICKEY, GENERAL MANAGER				
"	(Name and Position, e.g. President, Plant Ma	nager, Chief Eng	ineer)		
of WATSON	N MCDANIEL				
	(Name of Manufacturer)			
I ocated at	428 JONES BLVD., POTTSTOWN, PENNSYLVANIA, 1940	64 6	10-495-5131	610-495-5134	
Loodioa at	(Plant Address)		elephone No.)	(Fax No.)	
and P	lemnly declare that the fittings listed hereunder, which are subj ressure Vessels Regulation, comply with all of the requireme E B31.1, ASME B31.3		chnical Standar	ds and Safety Act, Boilers	
	(Title of recognized North American specifies the dimensions, materials of construction, pressure/tempe		-1 - 100 - C 1 C		
pressu	e not covered by the provisions of a recognized North Americar as supported by the attached of ure/temperature ratings and the basis for such ratings, the mark are that the manufacture of these fittings is controlled by a qualif	lata which ide ing of the fittir	ntifies the dimensi g for identification	ons, material of construction, n and service.	
71 4	which has been verified by the following authority, HSB	E Liquid Droin	or AirEliminator	t gar. I t	
	vered by this declaration, for which I seek registration, are category	E LiquidDiair	ei Aireilininatoi	type fittings. In support of	
	CRN, DRAWINGS, CALCULATIONS, REPORTS				
"	(drawings, calculations, test rep	orts, etc.)			
Declared be		5hrt		of Rennsylania	
the <i> [6</i>	the day of Scienter AD 20 19.	Jav G	VEALTH OF PER NOTARIAL SEA coldberg, Notary	AL Public	
Commissioner for Oaths: Limerick Twp., Montgomery County My Commission Expires June 28, 2020 MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES				ery County une 28, 2020	
	(Printed name) Jy Soldy (Signature)	MEMBER, PLAN	(Signature of	12/	
		N// N/			
Technical Sta	FOR OFFICE USE C f my knowledge and belief, the application meets the requirements andards and Safety Act, Boilers and Pressure Vessels Regulation d B51 and is accepted for registration in Category	of the on, and	Technical Standards and Safety Authority	Boilers and Pressure Vessel Safety Progran	
CRN:	DE 22093.5 NOTE: SEE	E ATTACH F CRH" E Scope.	REC	GISTERED	
Registered by		e scope.	C.R.N	12093.5	
Dated:	Dec. 31, 2019		Signed: U	namy Jung	
NOTE: This	registration expires on Dec. 31. 2029		Date: 1	ec 31. 2019	

WATSON MCDANIEL

428 JONES BLVD. POTTSTOWN, PENNSYLVANIA 19464, U.S.A.



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SCOPE OF CRN REGISTRATION

T Report	F R-1179
Series Size Range Inlet/ MAWP MAWP at MAWT Outlet at 100°F (psig)	400 psig 400 psig at 500°F
Inlet/ MAWP Outlet at 100°F	400 psig
Inlet/ Outlet	FdN
Size Range	1/2" × 1/2", 3/4" × 1/2" 3/4" × 3/4"
	WLD1800, AE1800
Material Specification	Liquid Drainers, ASME B31.1, Stainless Steel ASTM A351-CF3 Air Eliminators ASME B31.3, Stainless Steel ASTM A213-304L Stainless Steel ASTM A269-304L
Design Code	ASME B31.1, ASME B31.3,
Product Description	Liquid Drainers, Air Eliminators

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature.

Note 2: The pressure-temperature ratings shown are the maximum CRN pressure-temperature ratings. In all cases the MAWP may be limited by the seat or seal material or other considerations. Please consult Watson McDaniel literature.

Note 3: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.

Note 4: In accordance with ASME B31.1 para 123.1.2(D) when this product is used under the ASME B31.1 code the owner must accept the use of the following non listed materials:

- Type 304L Stainless Steel ASTM A269-304L

In all cases the above unlisted materials shall only be used for nonboiler external piping.

Note 5: Type 304, 316L and Type 316 may substitute for Type 304L stainless steel.

