



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

www.tssa.org

May 22, 2020

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

Service Request Type: BPV-Fitting Registration
Service Request No.: 2775318
Your Reference No.: R-1027
Registered to: DONALDSON FILTRATION DEUTSCHLAND GMBH

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.: **0E22287.5**
Main Design No.: GAS/STEAM FILTER HOUSINGS
Expiry Date: 25-Mar-2030

This letter corrects the previous letter (issued on March 25, 2020) note 4 regarding the oversight of body diameters. Registration includes body diameters 70mm, 85mm, 104mm, 129mm and 154mm as addressed below:

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

Notes:

1. ASME BPE ferrule ends and ASME B16.5 flange inlet/out ends are included in the registration.
2. Filters consist of stainless steel 304 materials. See scope of CRN document.
3. Inlet/outlet sizes range from 1/4" to 3".
4. Body diameters include 70mm, 85mm, 104mm, 129mm and 154mm

A stamped copy of the approved registration and invoice for engineering services will be mailed to you shortly. Should you have any questions or require further assistance, however, 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,

Alan Wu P. Eng.
Mechanical Engineer, BPV
Tel. : 416-734-3443
Fax : 416-231-6183
Email : awu@tssa.org



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Yours truly,

Alan Wu P. Eng.
Mechanical Engineer, BPV
Tel. : 416-734-3443
Fax : 416-231-6183
Email : awu@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



Donaldson®
Filtration Solutions

STATUTORY DECLARATION

Registration of Fittings

I, COLTER MARCKS, ENGINEERING MANAGER

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of DONALDSON FILTRATION DEUTSCHLAND GMBH

(Name of Manufacturer)

Located at BUSSINGSTRASSE 1, HAAN, 42781, GERMANY

(Plant Address)

+49 2129 569-0

(Telephone No.)

+49 2129 569-100

(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
ASME B31 CODES

(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 ISO 9001
which has been verified by the following authority, SGS

The items covered by this declaration, for which I seek registration, are category FILTERS type fittings. In support of
this application, the following information and/or test data are attached as follows:

SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS

(drawings, calculations, test reports, etc.)

Declared before me at BLOOMINGTON in the STATE of MINNESOTA

the 30 day of JANUARY AD 20 20.

Commissioner for Oaths:

Brenda Case

(Printed name)

Brenda Case

(Signature)



Colter Marcks

(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 E.

CRN: 0E22287.5

Registered by: Alan Wu

Dated: Mar 25, 2020

NOTE: This registration expires on Mar 25, 2030

Technical
Standards
and Safety
Authority

Boilers and
Pressure Vessels
Safety Program

REGISTERED

C.R.N.: 0E22287.5

Signed: Alan Wu

Date: March 25, 2020.

SCOPE OF CRN REGISTRATION

Product Description	Design Code	Materials of Construction (Note 4)	Inlet/Outlet Connections	Inlet/Outlet Size	Model No.	MAWP at MAWT (Note 1,2,3)	Min. Test Pressure	MDMT (Note 3)	Design Report
Gas/Steam Filter Housings	ASME B31.3, ASME B31.1	Tube UNS S30400/1.4301/ ASTM A269-304. Pipe UNS S30400/1.4301/ ASTM A312-304. Heads UNS S30400/1.4301/ ASTM A240-304. Couplings UNS S30400/1.4301/ ASTM A182-304. Flanges UNS S30400/1.4301/ ASTM A182-304. Ferrules UNS S30400/1.4301/ ASTM A479-304.	FNPT, FBSPT	1/4"	P-EG 0006	232 psig at 302°F	369 psig	-20°F	R-1027 Rev. 0
				3/8"	P-EG 0009				
			FNPT, FBSPT, Pipe Butt weld, Ferrule End (Note 5), Tube Butt weld	1/2"	P-EG 0012	232 psig at 302°F	369 psig		
				3/4"	P-EG 0018				
				1"	P-EG 0027				
				1-1/4"	P-EG 0036				
				1-1/2"	P-EG 0048				
				2"	P-EG 0072				
				2"	P-EG 0108				
				2-1/2"	P-EG 0144				
				3"	P-EG 0192				
				3"	P-EG 0288				
			CL 150 Flanged	1/2"	P-EG 0012	232 psig at 100°F	369 psig		
				3/4"	P-EG 0018	232 psig at 196°F			
				1"	P-EG 0027	230 psig at 200°F			
				1-1/4"	P-EG 0036	205 psig at 300°F			
				1-1/2"	P-EG 0048	206 psig at 302°F			
				2"	P-EG 0072				
				2"	P-EG 0108				
				2-1/2"	P-EG 0144				
				3"	P-EG 0192				
				3"	P-EG 0288	174 psig at 302°F			
<div>THIS IS PART OF CRN 0E22287.5</div> <div>Technical Standards and Safety Authority Boilers and Pressure Vessels Safety Program</div>									

THIS IS PART OF CRN

0E22287.5

Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design Metal 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 Donaldson literature.

Note 3: Products that are to operate at low temperatures shall conform to the rules of the applicable codes under which they are used.

Note 4: Material grades Type 304/304L dual rated, Type 316/316L dual rated and Type 316 may substitute for grade Type 304.

Note 5: The Inlet/Outlet Clamp Ferrule connection shall be used with a clamp, however the Inlet/Outlet assembly clamp is not part of this CRN. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. The clamp used to complete the joint shall have its own CRN and shall have pressure-temperature ratings the same or higher than the product ratings. The inlet/outlet clamps shall be registered in the Province / Jurisdiction of installation before these filters are put into service.