



the pressure equipment safety authority

Celebrating 20 years
1995 – 2015

9410 - 20 Ave N.W.
Edmonton, Alberta, Canada T6N 0A4
Tel: (780) 437-9100 / Fax: (780) 437-7787

July 30, 2015

Attention: Catherine Diplock
PRESSURE VESSEL ENGINEERING INC
120 RANDALL DRIVE SUITE B
WATERLOO, ON N2V 1C6

The design submission, tracking number 2015-05480, originally received on July 24, 2015 was surveyed and accepted for registration as follows:

CRN : 0H10413.52 **Accepted on:** July 30, 2015

Reg Type: Revision To accepted Design **Expiry Date:** July 09, 2025

Drawing No. : D19149 Rev A

Fitting type: MODEL 6002N, 6004N, 6006N, AND 6008N FILTERS

Design registered in the name of : PARKER HANNIFIN CORP FILTRATION & SEPARATION DIV

Description	MAWP	Design Temperature	MDMT
Internal Pressure	1207kPa	49 °C	-29 °C

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

- ** This registration has been issued:
 1. Based on TSSA's review
 2. Based on the Association of Chief Inspectors Policy on Reciprocal Recognition of Design Review for Fitting Design Registration
- ** See Scope of Registration (PVEscp-9220-1 Rev 0)
- ** This is a renewal

This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form. This registration is valid only 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.

Enclosed are stamped prints for your reference.

Sincerely,

DICK, ASHLING, P. Eng.



STATUTORY DECLARATION
Registration of Fittings

In this space, show facsimile of
manufacturer's logo or
trademark as it will appear on



I, John D'Antonio,
Engineering Manager
(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)

of Parker-Hannifin Corporation Filtration and Separation Div.
(name of manufacturer)

located at 260 Neck road, Haverhill, MA 01835 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 B31.3 2014 EDITION 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, DNV Business Assurance as being suitable for the manufacture of these fittings to the
Management System Certificate
stated standard. The fittings covered by this declaration, for which I seek registration, are 6000 series Filter Assembly

In support of this application, the following information, calculations and/or test data are attached:

See PVEscp-9220-1

DECLARED before me at Haverhill in the STATE of MASS.
this 16th day of June, 2015
(Month) (Year)
(print) KAREN A. MAYER John D'Antonio
(sign) Karen A. Mayer (Signature of Applicant)
(A Commissioner for Oaths)

For Office Use Only *see attached scope Rev 0 **drawing D-19149 Rev A registered A.P.

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 H

Registration Number: OH 10413 52 T.M. (ASHLING) DICK

Date Registered: JUL 30 2015 (For the Administrator/Chief Inspector of Alberta)
Expiry Date: July 9, 2025

Scope of Registration

Parker Hannifin Corp. Filtration and Separation Division - Model No. 6000 Filter Assemblies

Document: PVEscp-9220-1 rev 0

Scope:

This submission is a re-registration of fittings using CSA B51-14 Part 1, 4.2.8(c) method.
The current registration uses the exact pressure retaining components of the previous CRN registration 0H10413.5
All calculations from previous registration are still applicable for the B31.3 2014 edition code.

Design Conditions

Design Code	ASME B31.3 2014 edition
MAWP	175 psi @ 120°F
MDMT	-20°F @ 175 psi
Corrosion Allowance	0 in
Hydrotest	263 psi @ 70°F

0H10413.52

Main Drawing

D-19149

Assembly P/N

_6002N-0A1-BX
_6002N-0A1-DX
_6002N-0A2-DX
_6002N-0A2-BX
_6002N-0A2-000
_6004N-0A1-BX
_6004N-0A1-DX
_6004N-0A2-BX
_6004N-0A2-DX
_6004N-0A2-000
_6006N-0A1-BX
_6006N-0A1-DX
_6006N-0A2-BX
_6006N-0A2-DX
_6006N-0A2-000
_6008N-0A1-BX
_6008N-0A1-DX
_6008N-0A2-BX
_6008N-0A2-DX
_6008N-0A2-000

JUL 30 2015

ITEM 1	ITEM 2	ITEM 3	ITEM 4	ITEM 5	ITEM 6	ITEM 7	ITEM 8	ITEM 9	PRODUCT / FLOW LABEL PART NO.
ASSEMBLY P/N	PART NO. DWG. NO.	PART NO. DWG. NO.	PART NO. DWG. NO.	PART NO. DWG. NO.	PART NO. DWG. NO.				
6002N-DA1-BX	C01-0071 C-19068	C01-0081 B-19079	A05-0063	C01-0089 A-11059	BZ100-120-BX	91960 B-11053	SA602H055/M4 A-19137	21208 A-11062	A04-0190
6002N-DA1-DX					BZ100-120-DX		SA602H055/M4 A-19137		A04-0191
6002N-DA2-BX					BZ100-120-BX		SRP-96-008K63 A-19112		A04-0192
6002N-DA2-DX					BZ100-120-DX		SRP-96-008K63 A-19112		A04-0193
6002N-DA2-000	C01-0071 C-19068	C01-0081 B-19079	A05-0063	C01-0089 A-11059	BYC1100-120-000 B-15146		SRP-96-008K63 A-19112	21208	A04-0194
6004N-DA1-BX	C01-0072 C-19069	C01-0082 B-19080	A05-0064	C01-0090 B-11059	BZ100-100-BX	27900 B-11022	SA602H055/M4 A-19137	21209	A04-0195
6004N-DA1-DX					BZ100-100-DX		SA602H055/M4 A-19137		A04-0196
6004N-DA2-BX					BZ100-100-BX		SRP-96-008K63 A-19112		A04-0197
6004N-DA2-DX					BZ100-100-DX		SRP-96-008K63 A-19112		A04-0198
6004N-DA2-000	C01-0072 B-19069	C01-0082 B-19079	A05-0063	C01-0090 B-11059	BYC1100-100-000 B-15669	91960 B-11053	SRP-96-008K63 A-19112	21209	A04-0199
6006N-DA1-BX	C01-0073 B-19072	C01-0083 B-19081	A05-0064	C01-0091 B-10099	BZ200-176-BX	27900 B-11022	SA602H055/M4 A-19137	21204	A04-0200
6006N-DA1-DX					BZ200-176-DX		SA602H055/M4 A-19137		A04-0201
6006N-DA2-BX					BZ200-176-BX		SRP-96-008K63 A-19112		A04-0202
6006N-DA2-DX					BZ200-176-DX		SRP-96-008K63 A-19112		A04-0203
6006N-DA2-000	C01-0073 B-19072	C01-0083 B-19081	A05-0064	C01-0091 B-10099	BYC1200-176-000 B-19170		SRP-96-008K63 A-19112	21204	A04-0204
6008N-DA1-BX	C01-0076 D-19073	C01-0084 B-19081	A05-0064	C01-0092 B-10099	BZ200-185-BX		SA602H055/M4 A-19137	21211	A04-0205
6008N-DA1-DX					BZ200-185-DX		SA602H055/M4 A-19137		A04-0206
6008N-DA2-BX					BZ200-185-BX		SRP-96-008K63 A-19112		A04-0207
6008N-DA2-DX					BZ200-185-DX		SRP-96-008K63 A-19112		A04-0208
6008N-DA2-000	C01-0076 D-19073	C01-0084 B-19081	A05-0064	C01-0092 B-10099	BYC1200-185-000 B-19171	27900 B-11022	SRP-96-008K63 A-19112	21211 A-11062	A04-0209

REVISIONS			
REV	ECN.NO.	DESCRIPTION	NAME DATE
A	----	ORIGINATED FOR RELEASE	K.R. 05/05

see Acceptance Letter for the conditions and/or conditions of registration.



SAFETY CODES ACT - PROVINCE OF ALBERTA
REGISTRATION OF FITTINGS

REGISTRATION NO. OH1041352

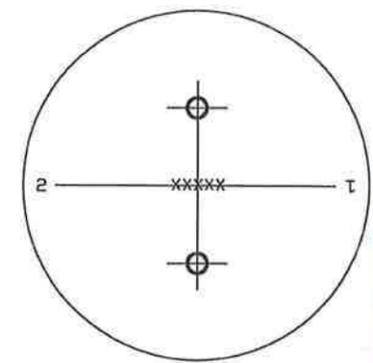
DWG. NO. or CAT. NO. D-19149 Rev A

TYPE OF FITTINGS Filters

JUL 30 2015

INITIALS [Signature]

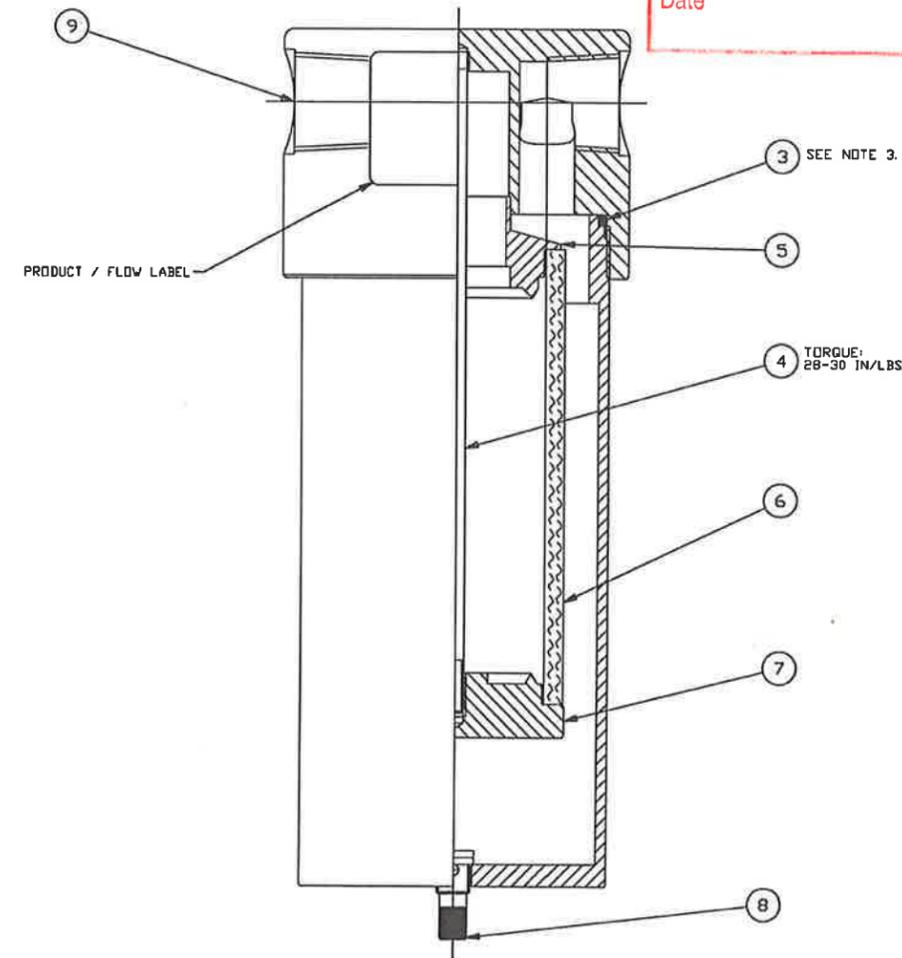
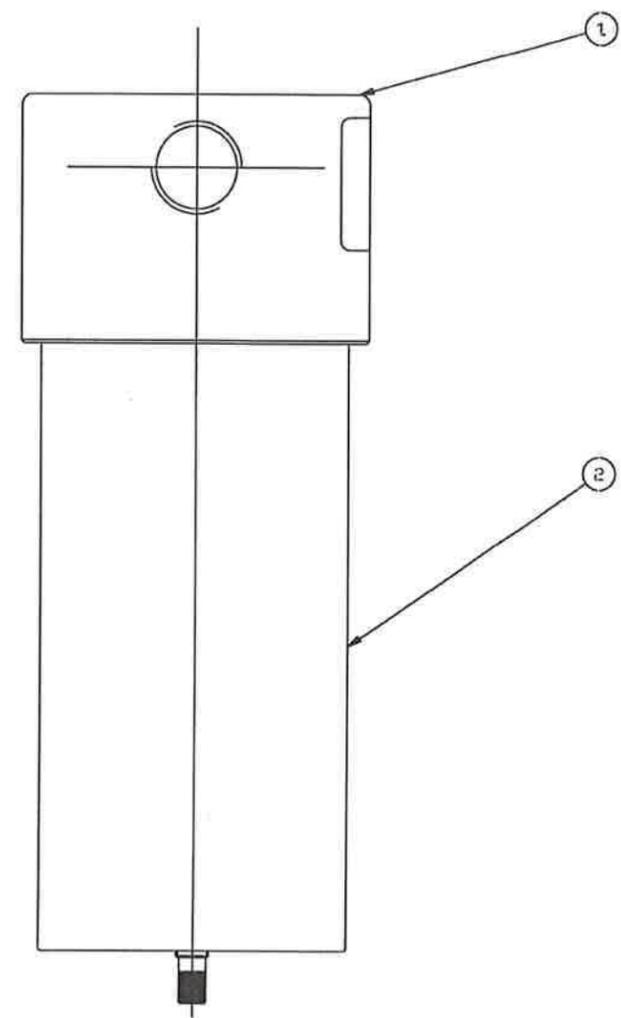
Date T. M. (ASHLING) DICK, P.ENG
DESIGN SURVEY ENGINEER



SEE NOTE 9

000= SUPPLIED WITH CI CARTRIDGE (CARTRIDGE SUPPLIED UNINSTALLED)

ASSEMBLY LEVEL
BLANK= ASSEMBLED AND PACKAGED AS LISTED
B= NOT PACKAGED ONLY ALL OTHER COMPONENTS APPLY.
NOTE *B* PREFIX INDICATES UNPACKAGED ONLY
PRODUCT LABELS DO NOT LIST *B*
EXAMPLE: ASSY. P/N B6008N-DA1-DX WITH PRODUCT LABEL
P/N A04-0206



- NOTES:
- DESIGN AND BUILT IN ACCORDANCE WITH B31.3 CODE 2002 EDITION
 - DESIGN CONDITIONS: PRESSURE 175 psig @ 120° F
MINIMUM DESIGN METEAL TEMPERATURE: -20°F @ 175 psi
EXTERNAL PRESSURE: N/A
 - HYDROSTATIC TEST PRESSURE 263 psi
 - CORROSION ALLOWANCE: 0
 - ALL ASSEMBLY AND PACKAGING MUST BE PERFORMED IN ACCORDANCE WITH THE APPROPRIATE MANUFACTURING METHOD SHEET SPECIFIED FOR THIS ASSEMBLY.
 - ALL PARTS SHOWN MAY NOT BE USED OR MAY NOT LOOK EXACTLY AS SHOWN. REFER TO TABLE FOR ACTUAL PARTS USED ON SPECIFIC ASSEMBLIES.
 - ALL O-RINGS TO BE LUBRICATED WITH APPROVED LUBRICANT ONLY.
 - ALL HOUSINGS TO BE SHIPPED WITH PLASTIC THREAD PROTECTORS INSTALLED.
 - TIEROD (ITEM 4) MUST BE ASSEMBLED WITH PILOT (UNTHREADED TAB) END, THREADED INTO HEAD (ITEM 1).
 - DRAIN VALVE (ITEM 8) EXCLUDED FROM CRN REGISTRATION

THIRD ANGLE PROJECTION	TOLERANCES EXCEPT AS NOTED .XX X.Xmm ±.015 .XXX XX.XXmm ±.005 ANGULAR ±1° SURFACE ROUGHNESS OR BETTER REMOVE ALL BURRS AND SHARP EDGES.	ENG. APVD.	DATE:	Parker Hannifin Corporation Filtration and Separation Division Montreal, Massachusetts USA
		CHKD BY:	DATE:	
THIS DOCUMENT CONTAINS INFORMATION THAT IS CONFIDENTIAL AND PROPRIETARY TO PARKER FILTRATION AND SEPARATION DIVISION (PARKER). THIS DOCUMENT IS FURNISHED ON THE UNDERSTANDING THAT THE RECIPIENT AND THE INFORMATION IT CONTAINS WILL NOT BE COPIED OR REPRODUCED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN CONDUCTING BUSINESS WITH PARKER, AND WILL BE RETURNED AND ALL FURTHER USE DISCONTINUED UPON REQUEST BY PARKER. COPYRIGHT PARKER, YEAR OF COPYRIGHT IS FIRST YEAR INDICATED ON THIS DOCUMENT. ALL RIGHTS RESERVED.		DRAWN BY:	DATE:	TITLE:
		MAT'L:		FINISH:
				MODEL NO:
				SCALE:
				1 : 1 1 OF 1
				DWG. NO.:
				D-19149