

ROUND ENGINEERING INC
WATERDOWN ONTARIO
C/O UNITED FILTRATION SYSTEMS / HEADLINE FILTERS LTD.
6558 DIPLOMAT DRIVE
STERLING HEIGHTS, MI 48314

Date: April 29, 2022
Account #: 59067
Journal #: 80187
Our File #: 5648638

Attn: HENRYK FISHER

Re: Application for Design Registration

The design, as detailed in your, Headline Filters 180VP, for a Fitting is accepted for registration as follows:

Registered To: HEADLINE FILTERS LTD

CRN: 0E7432.1

Drawing #: R-1473 Scope of Registration

Drawing Revision: 0(as noted)

Conditions of Registration:

- 1). This registration is for "180VP Filter" per Scope of Registration, manufactured by "HEADLINE FILTERS LTD" at "HEADLINE HOUSE MILL HALL BUSINESS ESTATE, AYLESFORD, KENT ME20 7JZ, UNITED KINGDOM" as indicated on the Statutory Declaration.
- 2). The acceptance is based on the understanding and condition that dual certified material shall be used in construction.
- 3). Our acceptance is based on the condition that "ROUND ENGINEERING INC" has been authorized by manufacturer to submit the subject fitting for registration, on behalf of the manufacturer.
- 4). Fitting Registration Expiry Date; April 29, 2032.
- 5). The 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.

Contact me if you have any questions. The invoice for the registration will be forwarded under separate cover.

ALIREZA BONAKDAR, P.ENG.
(778) 396-2032
Alireza.Bonakdar@technicalsaftybc.ca
Design Engineer

CC:

HEADLINE FILTERS LTD

UNIT 1-2 MILL HALL BUSINESS ESTATE
AYLESFORD, KENT
ME20 7JZ, UNITED KINGDOM



15-Apr-22

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SCOPE OF CRN REGISTRATION

Product Description	GA Drawings	Design Code	Material Specification	Process Connections	MAWP at MAWT (psig at °F)	MDMT	Report Number
180VP Filter	HF4/4642, HF4/4607, HF4/4650, HF4/4616	ASME B31.3	Stainless Steel ASTM A479-316/316L, ASTM A182-F316/F316L	NPT: 1/4", 1/2", 3/4", 1" SAE: 4 ,6 ,8 ,12, 16	4700 psig at 400°F/ 324 barg at 204°C	-320°F / -196°C	R-1473 Rev. 0

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 Headline Filters literature.

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