

Amiad - omega filter



Australian Government
Australian Customs and
Border Protection Service

APPLICATION FOR TARIFF
CONCESSION ORDER (TCO)

IMPORTANT: Please read the information below carefully before completing this form.

Are you aware that substitutable goods are produced in Australia in the ordinary course of business?

- (a) If you are aware, based on information and your inquiries that substitutable goods are being produced in Australia in the ordinary course of business then you should not lodge an application for a TCO.

Do you need to apply for new TCO?

- (b) Before lodging this application for a TCO, the applicant should determine whether a suitable TCO already exists. Information on existing TCOs is contained in the Schedule of Concessional Instruments (SCI), which is available on the Internet at www.customs.gov.au.

Have you verified that there are no substitutable goods produced in Australia (refer to questions 5, 6 and 7 of the form)?

- (c) Section 269FA of the *Customs Act 1901* states "It is the responsibility of an applicant for a TCO to establish, to the satisfaction of the Chief Executive Officer (CEO), that, on the basis of:
- (i) all information that the applicant has, or can reasonably be expected to have; and
 - (ii) all inquiries that the applicant has made, or can reasonably be expected to make;
- there are reasonable grounds for asserting that the application meets the core criteria". The application is taken to meet the core criteria if, on the day of lodgement of the application, **no substitutable goods** were produced in Australia in the ordinary course of business.
- 14/08894

Completing the application

- (d) Section 269F of the *Customs Act 1901* requires that a TCO application be in writing, be in an "approved form", contain such information as the form requires, and be signed in the manner indicated in the form.
This is the approved form for the purposes of that section.
- (e) Section 269F(3) states that a TCO application must contain:
- (a) a full description of the goods to which the application relates; and
 - (b) a statement of the tariff classification that, in the opinion of the applicant, applies to the goods; and
 - (c) if the applicant is not proposing to make use of the TCO to import the goods to which the application relates into Australia on the applicant's own behalf – the identity of the importer for whom the applicant is acting; and
 - (d) particulars of all inquiries made by the applicant (including inquiries made of prescribed organisations) to assist in establishing that there were reasonable grounds for believing that on the day on which the application was lodged, there were no producers in Australia of substitutable goods.
- 11 MAR '14 9:03

Question 1 to 8 must be answered

- (f) Failure to supply the information required by this form will result in rejection of the application (and in the loss of operative date.)
- (g) Customs and Border Protection may require an applicant to substantiate, with documentary evidence, any information provided in the application form. Customs and Border Protection may also undertake its own inquiries as allowed under section 269M.
- (h) Receipt of your application will be acknowledged. Any resultant TCO will operate from the date of receipt.
- (i) Where an application is accepted as being a valid application, the identity of the applicant and of the importer for whom the applicant is acting will be published in the *Commonwealth of Australia Tariff Concessions Gazette* (the Gazette).
- (j) Further Information on the Tariff Concession System is available in Part XVA of the *Customs Act 1901*; in relevant Australian Customs Notices (ACNs), Practice Statements and related Instructions and Guidelines on the Internet at www.customs.gov.au; by e-mailing tarcon@customs.gov.au; or by phoning the Customs and Border Protection Information Centre 1300 363 263.
- (k) Attached to this form are extracts from relevant legislation. Also please refer to Australian Customs Notice 2010/03 containing advice as to what Customs and Border Protection considers to be 'reasonable inquiries', advice on conducting searches on national and international search engines and a suggested format letter that you might choose to use when contacting potential local manufacturers to determine if it produces substitutable goods.

APPLICANT DETAILS

Applicant's Name: Amiad Water Systems Pty Ltd		Australian Business Number (A.B.N): 91006275654	
Postal Address: 138 Northcorp BLVD, Broadmeadows VIC 3047			
Applicant's Reference: Omega filter		Company Contact: s22(1)(a)(ii)	
Telephone Number: s22(1)(a)(ii)		Position Held:	
Mobile Telephone Number:		Email Address:	
Facsimile Number:			

If the applicant (as named above) does not intend to use the TCO to import into Australia the goods the subject of the application, you must provide, in the section below, the identity of the importer for whom you are acting (refer to paragraph 296F(3)(c) of the Customs Act 1901.

IMPORTER DETAILS

If same as applicant write "as above"		Australian Business Number (A.B.N):	
Importer's Name: "as above"			
Postal Address:			
Importer's Reference:		Company Contact:	
Telephone Number:		Position Held:	
Mobile Telephone Number:		Email Address:	
Facsimile Number:			

AGENT/BROKER DETAILS (if applicable)

s22(1)(a)(ii)

Is this application intended to support an application for a concession under the Enhanced Project By-law Scheme?

☐ YES☒ NO

1. DESCRIPTION OF GOODS

- (a) The description of the goods in the application may be used as the description of the goods in the TCO (if made).
- (b) The application must provide a full description of the goods, including the physical features of the various components of the goods. It must not describe the goods in terms of what they do.
- (c) In accordance with section 269SJ of the Customs Act 1901, the CEO must **not** make a TCO in respect of goods:
- (i) described in terms other than in generic terms; or
 - (ii) described in terms of their intended end use; or
 - (iii) declared by the regulations to be goods to which a TCO should not be extended.
- Goods will be taken to be described in terms other than in generic terms if, for example, their description, either directly or by implication, indicates that they are goods of a particular brand or model, or that a particular part number applies to the goods.
- (d) Guidance on the drafting of the description of goods is contained in relevant Practice Statements and/or Instructions and Guidelines on the Internet at www.customs.gov.au. Failure to comply with Customs and Border Protection requirements may result in rejection of the application.

Describe the goods as you would propose the wording to appear if the Tariff Concession Order is granted.

Filter, self cleaning, multi-screen, complying with all the below;

a. flowrate between 675M3 to 5250 M3 per hour

b. Filtration area between 13500 cm to 108000 cm

c. maximum working pressure of 230 psi (16 Bar) d. empty weight between 900 kgs and 3435 kgs

2. ILLUSTRATIVE MATERIAL

Attach technical and illustrative descriptive material (IDM) as well as any extracts from the relevant industry standard (if referred to in the description of the goods) and/or a sample to enable full and accurate identification of the goods the subject of the application. This application will be rejected if insufficient or inadequate IDM is provided.

Please note that simply supplying a reference to a website is not acceptable.

3. TARIFF CLASSIFICATION

- (a) Identify the tariff classification (to 8 figure subheading level)
- (b) Identify the General Duty rate 5 %
- (c) If a Tariff Advice for the goods has been sought or obtained, please provide the TA No or attach a copy.

4. USES OF THE IMPORTED GOODS

Describe ALL uses (including design uses) to which the goods can be put.

filtering water

5. Information that the applicant and importer has regarding Australian manufacturers of substitutable goods or potentially substitutable goods.

The following questions require the applicant and the importer (if a different party to the applicant) to provide details of all information that they have with regard to the presence of Australian manufacturers of substitutable goods or potentially substitutable goods.

5A - APPLICANT.

In considering the goods which are the subject of this TCO application, is the applicant aware of any Australian manufacturers or producers of substitutable goods, or of potentially substitutable goods?

☐ YES

☒ NO If YES, please provide the names of these Australian manufacturers or producers.

5B - IMPORTER.

In considering the goods which are the subject of this TCO application, is the importer (as listed on page 2) aware of any Australian manufacturers or producers of substitutable goods or potentially substitutable goods?

☐ YES

☒ NO If YES, please provide the names of these Australian manufacturers or producers.

5C. Please provide details of other information that the applicant and/or importer may have to assist in locating any local manufacturers.

- (i) Is the applicant and/or importer a member of a relevant industry association and, if so, what is the name of the association?

☐ YES

☒ NO

If YES, what is the name of association/s:

- (ii) Has the applicant and/or importer attended, in the past year, any trade fairs or industry events where Australian manufacturers and producers of goods that may be substitutable have been exhibitors?

☐ YES

☒ NO

If YES, what is/are the name/s of relevant Australian manufacturers or producers of goods that are substitutable, or have exhibited?

- (iii) In the past two years, has the applicant and/or importer participated in government and/or trade procurement processes (for example, tenders for made-to-order capital equipment) which might indicate the existence of Australian manufacturers or producers of goods that are substitutable, or potentially substitutable, for the goods that are the subject of this TCO application?

☐ YES

☒ NO

If YES, describe each procurement process, and type of goods, including made-to-order capital goods, that were the subject of each procurement process and any Australian manufacturers or producers known to have participated in each procurement process?

6. INQUIRIES THAT THE APPLICANT AND/OR IMPORTER HAS MADE REGARDING LOCAL MANUFACTURERS OF SUBSTITUTABLE GOODS, OR OF POTENTIALLY SUBSTITUTABLE GOODS?

The following questions require you to provide details of all inquiries that the applicant and/or importer have made to assist the CEO in establishing that there are reasonable grounds for believing that, on the day on which the application was lodged, there were no producers or manufacturers in Australia of substitutable goods, or potentially substitutable goods.

6A - PRESCRIBED ORGANISATIONS - Prescribed organisations, such as the Industry Capability Network, are listed in Regulation 179A of Customs Regulations 1926.

Have you asked a prescribed organisation to obtain advice about whether there are manufacturers or producers in Australia of substitutable goods, or of potentially substitutable goods?

☐ YES Please attach a copy of the terms of the request and all advice received. If you have obtained a report from a prescribed organisation, you are not required to answer 6B.

☒ NO If you have not obtained a report from a prescribed organisation, you are required to answer 6B.

6B. SEARCHES OF THREE DIFFERENT DATABASES CONTAINED IN TRADE DIRECTORIES, PUBLIC SEARCH ENGINES OR WEBSITES LISTING AUSTRALIAN PRODUCTS

If you have not obtained a report from a prescribed organisation, you must make inquiries in at least three databases to locate the possible existence of Australian manufacturers or producers of goods that may be substitutable for the goods the subject of the TCO application. Examples of these databases may include trade directories such as Kompass, search engines such as Google, and websites listing Australian products such as www.australianmade.com.au. Please refer to ACN 2010/03 for guidance as to what Customs and Border Protection considers to be a reasonable search.

1 - Name of database: www.google.com.au

Search terms used in database: Filter, self cleaning, multi-screen, flowrate between 675M3 to 5250 M3 per hour

Please attach printouts of the search results. For search engines such as Google, please supply only the first three pages.

2 - Name of database: www.jpmmmedia.com.au

Search terms used in database: Filter, self cleaning, multi-screen, flowrate between 675M3 to 5250 M3 per hour

Please attach printouts of the search results. For search engines such as Google, please supply only the first three pages.

3 - Name of database: www.australianmade.com.au

Search terms used in database: Filter, self cleaning, multi-screen, flowrate between 675M3 to 5250 M3 per hour

Please attach printouts of the search results. For search engines such as Google, please supply only the first three pages.

6C. INDUSTRY ASSOCIATIONS

Has the applicant and/or importer made inquiries of industry associations in Australia representing suppliers, manufacturers of the goods that may be substitutable to those the subject of the TCO?

☐ YES Please attach a copy of the terms of the request and any response received.

☒ NO Please explain why you have not made enquiries.

no local manufacturers matched in searches

7. NOTIFICATION OF POTENTIAL AUSTRALIAN MANUFACTURES

If any of the answers to questions 5 or 6 identified any potential local manufacturers of substitutable goods, please provide details of the inquiries that you undertook to notify those local manufacturers of your application and to seek advice as to whether they believe they manufacture any substitutable goods. Please refer to Australian Customs Notice 2010/03 for a suggested format of a letter to a potential local manufacturer of substitutable goods.

Please provide a copy of your request to each business. Please provide the business names, details of the contact that you made and all responses received at the time of lodging this application.

1 - Name and address of business:

Please provide a copy of your request to each business. Is the copy attached? ☐ YES ☒ NO

Please provide a copy of the response provided, if any. Is their response attached? ☐ YES ☒ NO

2 - Name and address of business:

Please provide a copy of your request to each business. Is the copy attached? ☐ YES ☒ NO

Please provide a copy of the response provided, if any. Is their response attached? ☐ YES ☒ NO

3 - Name and address of business:

Please provide a copy of your request to each business. Is the copy attached? ☐ YES ☒ NO

Please provide a copy of the response provided, if any. Is their response attached? ☐ YES ☒ NO

4 - Name and address of business:

Please provide a copy of your request to each business. Is the copy attached? ☐ YES ☐ NO

Please provide a copy of the response provided, if any. Is their response attached? ☐ YES ☐ NO

8. JUSTIFICATION FOR APPLICATION

Where potential Australian producers or manufacturers have been identified in questions 5, 6 or 7, please provide details as to why you believe that they do not produce substitutable goods in Australia in the ordinary course of business.

Please refer to the attached definitions for the legislative definitions of 'core criteria', 'substitutable goods', 'goods produced in Australia' and 'the ordinary course of business'.

There are no known Australian manufacturers of these goods.

3

APPLICANT'S DECLARATION

I, s22(1)(a)(ii)	Position Held s22(1)(a)(ii)
Company: (if applicable) s22(1)(a)(ii)	

declare that:

1. I have the authority to act on behalf of the company/applicant;
2. To the best of my knowledge and belief the information contained in this form including any attachments is correct;
3. I have ensured that questions 1 to 8 are completed and supporting documents are provided; and
4. I agree, in submitting this form by electronic means (including facsimile) that, for the purposes of Sub-section 14(3) of the Electronic Transactions Act 1999, this application will be taken to have been lodged when it is first received by an officer of Customs and Border Protection, or if by e-mail to **tarcon@customs.gov.au**, when it is first accessed by an officer of Customs and Border Protection, as specified in Sub-Section 269F(4) of the Customs Act 1901.
5. I have read the relevant Australian Customs Notice headed Applicant's Obligations in Making a TCO application and the definitions attached to this form and understand my obligations under Section 269FA with regard to the making and processing of Tariff Concession Order applications.
6. I acknowledge that I understand that under Section 269M(6) of the *Customs Act 1901* that at any time during the period of 150 days from the gazettal day, the CEO may, for the purpose of dealing with a TCO application, and despite section 16 of the Customs Administration Act 1985, give a copy of all, or of a part, of the application to a prescribed organisation with a view to obtaining the advice of the organisation in relation to the question whether there are any producers in Australia of substitutable goods.

Signature of Applicant/Agent/Broker: **s22(1)(a)(ii)** Date: 10 / 03 / 2014

NOTE:

Section 234 of the Customs Act 1901 provides that it is an offence to make a statement to an officer that is false or misleading in a material particular.

Before lodging your form please ensure that you have attached the following:

- ☒ Attached IDM/Samples?
- ☒ Attached Local Manufacturer search results?
- ☒ Application signed & dated?
- ☒ Questions 1-8 answered?
- ☒ All enquiries requested undertaken?

When this form has been completed please lodge it with Customs and Border Protection by:

•posting it by prepaid post to:

Director
Tariff Concession Section
Trade Services Branch
Australian Customs and
Border Protection Service,
Customs House
5 Constitution Avenue
CANBERRA ACT 2601

OR

•delivering it to the ACT Regional Office located at:
Customs House, Canberra

OR

•sending it by facsimile to: (02) 6275 6376

OR

•e-mailing it to: **tarcon@customs.gov.au**

FOR OFFICE USE ONLY AUSTRALIAN CUSTOMS AND BORDER PROTECTION SERVICE STAFF**269(H) Screening the Application**

Is the CEO satisfied that the application complies with Section 269F?

☐ YES☐ NO

Is the CEO satisfied that the applicant has discharged all responsibilities referred to in section 269FA?

☐ YES☐ NO

Is the CEO aware of any producer in Australia of substitutable goods?

☐ YES☐ NO

Are the goods on the Excluded Goods Schedule (Regulation 185)?

☐ YES☐ NO

Does a TCO already exist for these goods?

☐ YES☐ NO**Information for applicants - some useful definitions from the Customs Act 1901****269B Interpretation**

substitutable goods, in respect of goods the subject of a TCO application or of a TCO, means goods produced in Australia that are put, or are capable of being put, to a use that corresponds with a use (including a design use) to which the goods the subject of the application or of the TCO can be put.

- (3) In determining whether goods produced in Australia are put, or are capable of being put, to a use corresponding to a use to which goods the subject of a TCO, or of an application for a TCO, can be put, it is irrelevant whether or not the first mentioned goods compete with the second mentioned goods in any market.

269C Interpretation - core criteria

For the purposes of this Part, a TCO application is taken to meet the core criteria if, on the day on which the application was lodged, no substitutable goods were produced in Australia in the ordinary course of business.

269D Interpretation - goods produced in Australia

- (1) For the purposes of this Part, goods, other than unmanufactured raw products, are taken to be produced in Australia if:
- the goods are wholly or partly manufactured in Australia; and
 - not less than $\frac{1}{4}$ of the factory or works costs of the goods is represented by the sum of:
 - the value of Australian labour; and
 - the value of Australian materials; and
 - the factory overhead expenses incurred in Australia in respect of the goods.
- (2) For the purposes of this Part, goods are to be taken to have been partly manufactured in Australia if at least one substantial process in the manufacture of the goods was carried out in Australia.
- (3) Without limiting the meaning of the expression substantial process in the manufacture of the goods, any of the following operations or any combination of those operations does not constitute such a process:
- operations to preserve goods during transportation or storage;
 - operations to improve the packing or labelling or marketable quality of goods;
 - operations to prepare goods for shipment;
 - simple assembly operations;
 - operations to mix goods where the resulting product does not have different properties from those of the goods that have been mixed.
- (4) For the purposes of this section, the CEO may, by instrument in writing published in the *Gazette*:
- direct that the factory or works cost of goods is to be determined in a specified manner; and
 - direct that the value of Australian labour, the value of Australian materials or the factory overhead expenses incurred in Australia in respect of goods is to be determined in a specified manner;
- and those directions have effect accordingly.
- (5) The provisions of sections 48 (other than paragraphs (1)(a) and (b) and subsection (2)), 48A, 48B, 49A and 50 of the *Acts Interpretation Act 1901* apply in relation to directions given under subsection (4) as if:
- references in those provisions to regulations were references to directions; and
 - references in those provisions to the repeal of a regulation were references to the revocation of a direction.

269E Interpretation - the ordinary course of business

- (1) For the purposes of this Part, other than section 269Q, goods (other than made-to-order capital equipment) that are substitutable goods in relation to goods the subject of a TCO application are taken to be produced in Australia in the ordinary course of business if:
- (a) they have been produced in Australia in the 2 years before the application was lodged; or
 - (b) they have been produced, and are held in stock, in Australia; or
 - (c) they are produced in Australia on an intermittent basis and have been so produced in the 5 years before the application was lodged;
- and a producer in Australia is prepared to accept an order to supply them.
- (2) For the purposes of this Part, goods that:
- (a) are substitutable goods in relation to goods the subject of a TCO application; and
 - (b) are made to order capital equipment;
- are taken to be produced in Australia in the ordinary course of business if:
- (c) a producer in Australia:
 - (i) has made goods requiring the same labour skills, technology and design expertise as the substitutable goods in the 2 years before the application was lodged; and
 - (ii) could produce the substitutable goods with existing facilities; and
 - (d) the producer is prepared to accept an order to supply the substitutable goods.
- (3) In this section:
- made-to-order capital equipment** means a particular item of capital equipment:
- (a) that is made in Australia on a one-off basis to meet a specific order rather than being the subject of regular or intermittent production; and
 - (b) that is not produced in quantities indicative of a production run.



NEW

Omega Series

Automatic self-cleaning filter provides higher efficiency and smaller footprint, combining Amiad's superior Suction Scanning mechanism with a multi-screen design.

Multi Screen



DM
7

flow rates	filtration degrees	inlet/outlet diameter	minimum operating pressure
up to 5,000 m ³ /h (22,000 gpm)	10-500 micron	200-800mm (8"-32")	2 bar (30 psi)

features:

- Based on Amiad's proven suction scanning screen filtration technology
- Highly efficient self-cleaning mechanism; fine filtration performances, down to 10 micron
- Small footprint

* Patent pending

- Exceptionally high filtration area & flow per unit
- ASME / ATEX / IECEx, available on request
- **Applications:** Membrane Protection, Municipal Water, Industrial Water, Oil & Gas and Irrigation

Released by DIBP under the
Freedom of Information Act 1982

How the Omega Filter Works

General

The Amiad Omega Series are automatic filters, with multiple screens operated by a common electric driven screen cleaning mechanism. The "Omega" filter flow rate range is up to 5,000 m³/h (22,000 gpm) and from 10-500 micron filtration degree. Inlet/Outlet flanged connections are available in the range of 200-800 mm (8"-32").

The Filtration Process

Raw water enters from the filter inlet and passes through the multi-screens. Filtered water flows through the filter outlet. The gradual dirt buildup on the inner multi-screen's surface causes a filter cake to develop, with a corresponding increase in the pressure differential across the multi-screens. A pressure differential switch senses the pressure differential and when it reaches a pre-set value, the self-cleaning process begins.

The Self-Cleaning Process

Cleaning of the filter is carried out by multiple suction scanners with an option for SLN (Spring Loaded Nozzles) which simultaneously scan the multi-screens by a common electric motor driven gear mechanism. The DP switch signals to open the exhaust valves creating a high velocity suction stream at the nozzle scanner tips which "vacuums" the filter cake from the multi screens.

During the self-cleaning process, which takes approximately 25 seconds, filtered water continues to flow downstream.

The Control System

The Omega's operation and cleaning cycle is controlled and monitored by a Programmable Logic Control (PLC). The PLC allows maximum flexibility in control options and is provided with a wide range of control options from an independent stand alone controller to a fully integrated one with the customer's central control system. During the self-cleaning cycle the PLC controls a solenoid that operates the exhaust valves by means of a hydraulic command or compressed air.

The self-cleaning cycle begins under any one of the following conditions:

1. Receiving a signal from the Pressure Differential Switch
2. Time interval parameter set at the control board
3. Manual Start

The control board also provides:

- Optional continuous flush mode
- Flush cycles counter
- Alarm output – may be used to open a bypass, shut-off a pump, etc.

Omega Models:

Amiad's Omega product line consists of the following models:

- Omega I Standard 13,500 cm² (2,100 in²) & Enlarged (E) 18,000 cm² (2,800 in²)
- Omega II Standard 27,000 cm² (4,185 in²) & Enlarged (E) 36,000 cm² (5,600 in²)
- Omega III Standard 54,000 cm² (8,400 in²) & Enlarged (E) 72,000 cm² (11,200 in²)
- Omega IV Standard 81,000 cm² (12,600 in²) & Enlarged (E) 108,000 cm² (16,700 in²)

Omega I/Omega II

Technical Specifications (flow data at 100 micron, average water quality)

Filter Type	Omega I	Omega I E	Omega II	Omega II E
General Data*				
Maximum flow rate	675 m³/h (2,972 gpm)	880 m³/h (3,875 gpm)	1350 m³/h (5,944 gpm)	1750 m³/h (7,705 gpm)
Inlet/Outlet diameter	200 - 300 mm (8"-12") Flange standards as per request		250 - 500 mm (10"-20") Flange standards as per request	
Minimum working pressure**	2 bar (30 psi)			
Maximum working pressure	10 bar (150 psi) 16 bar (230 psi) upon request			
Filtration area	13,500 cm² (2,100 in²)	18,000 cm² (2,800 in²)	27,000 cm² (4,185 in²)	36,000 cm² (5,600 in²)
Weight [empty]	900 kg (1984 lb)	970 kg (2138 lb)	1455 kg (3207 lb)	1495 kg (3296 lb)

* Subject to filtration degree & water quality.

** For special low pressure conditions & fine filtration with SLN, Please consult Amiad.

Flushing Data				
Exhaust valve	3"	3"	4"	6"
Flushing cycle time	25 sec	25 sec	25 sec	25 sec
Reject water volume per flush cycle	280 liter (74 gallon)	350 liter (92.5 gallon)	480 liter (127 gallon)	560 liter (148 gallon)
Minimum flow for flushing	40 m ³ /h (176 gpm)	50 m ³ /h (220 gpm)	70 m ³ /h (308 gpm)	80 m ³ /h (352 gpm)

Control and Electricity **	
Electric motor	0.75 kW (1Hp)
Rated operation voltage	3 phase, 220/380/440 VAC 50/60 Hz
Current consumption	2.1 Amp
Control voltage	24 VAC or DC

** Control board is available upon request.

Construction Materials ***	
Filter housing	Carbon steel, epoxy coating inside & outside
Filter lid	Carbon steel, epoxy coating inside & outside
Screen	Weavewire 316L screens or molded reinforced PP with 316L screen
Cleaning mechanism	Stainless steel 316L
Exhaust valve	Epoxy-coated cast iron, natural rubber or EPDM
Seals	Synthetic rubber, NBR
Control	Stainless steel, nylon

*** Other construction materials & coatings for corrosive use, are available upon request.

Standard Filtration Degrees										
316L Stainless Steel Weavewire or Molded Screen										
micron	500	300	200	130	100	80	50	40	25	10
mm	0.5	0.3	0.2	0.13	0.1	0.08	0.05	0.04	0.02	0.01

Omega III /Omega IV

Technical Specifications (flow data at 100 micron, average water quality)

Filter Type	Omega III	Omega III E	Omega IV	Omega IV E
General Data*				
Maximum flow rate	2700 m³/h (11,890 gpm)	3500 m³/h (15,410 gpm)	4050 m³/h (17,830 gpm)	5250 m³/h (23,120 gpm)
Inlet/Outlet diameter	350 - 600 mm (14"-24") Flange standards as per request		450 - 800 mm (18"- 32") Flange standards as per request	
Minimum working pressure**	2 bar (30 psi)			
Maximum working pressure:	10 bar (150 psi) 16 bar (230 psi) upon request			
Filtration area	54,000 cm² (8,400 in²)	72,000 cm² (11,200 in²)	81,000 cm² (12,600 in²)	108,000 cm² (16,700 in²)
Weight [empty]	2400 kg (5291 lb)	2600 kg (5732 lb)	3250 kg (7165 lb)	3435 kg (7573 lb)

* Subject to filtration degree & water quality.

** For special low pressure conditions & fine filtration with SLN, Please consult Amiad.

Flushing Data				
Exhaust valve	2x4"	2x6"	3x4"	3x6"
Flushing cycle time	2x25 sec	2x25 sec	3x25 sec	3x25 sec
Reject water volume per flush cycle	2x480 liter (2x127 gallon)	2x560 liter (2x148 gallon)	3x480 liter (3x127 gallon)	3x560 liter (3x148 gallon)
Minimum flow for flushing	2x70 m ³ /h (2x308 gpm)	2x80 m ³ /h (2x352 gpm)	3x70 m ³ /h (3x308 gpm)	3x80 m ³ /h (3x352 gpm)

Control and Electricity **	
Electric motor	0.75 kW (1Hp)
Rated operation voltage	3 phase, 220/380/440 VAC 50/60 Hz
Current consumption	2.1 Amp
Control voltage	24 VAC or DC

** Control board is available upon request.

Construction Materials ***	
Filter housing	Carbon steel, epoxy coating inside & outside
Filter lid	Carbon steel, epoxy coating inside & outside
Screen	Weavewire 316L screens or molded reinforced PP with 316L screen
Cleaning mechanism	Stainless steel 316L
Exhaust valve	Epoxy-coated cast iron, natural rubber or EPDM
Seals	Synthetic rubber, NBR
Control	Stainless steel, nylon

*** Other construction materials & coatings for corrosive use, are available upon request.

Standard Filtration Degrees

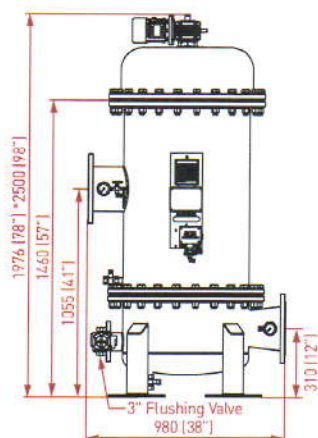
316L Stainless Steel Weavewire or Molded Screen

micron	500	300	200	130	100	80	50	40	25	10
mm	0.5	0.3	0.2	0.13	0.1	0.08	0.05	* 0.04	0.02	0.01

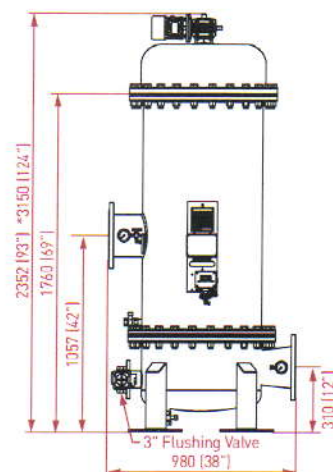
Omega I



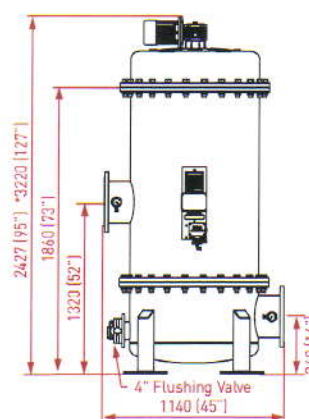
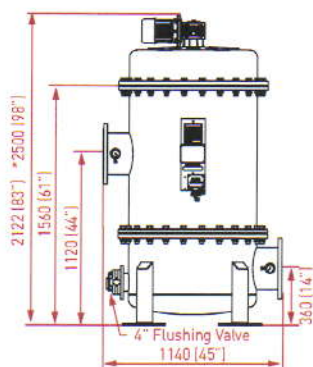
Standard Models



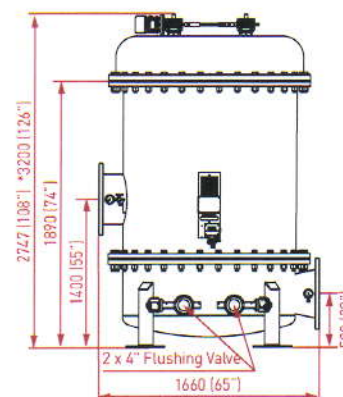
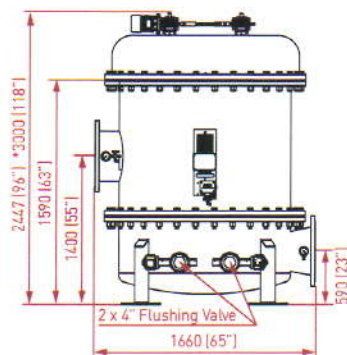
Enlarged Models



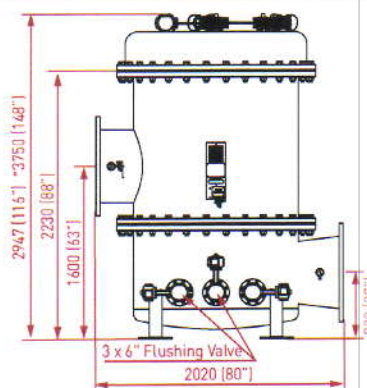
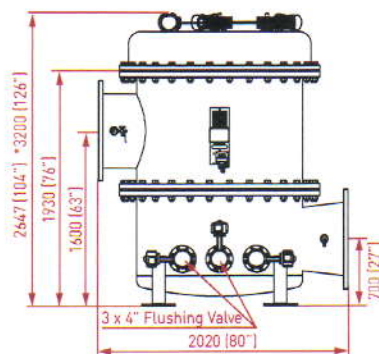
Omega II



Omega III



Omega IV



Dim: mm (inch)

*Approx. length required for maintenance.

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www.amiad.com

910101-000488/10.2013

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27

Description of Goods including the
Customs Tariff Classification

Schedule 4 Item Number

8421.21.90 Filter, self cleaning, multi-screen, complying with all the
below;

50

- a. flowrate between 675M3 to 5250 M3 per hour
- b. filtration area between 13500cm to 108000cm
- c. maximum working pressure of 230psi (16Bar)
- d. empty weight between 900kgs and 3435 kgs

Op. 11.03.14

- TC 1408894

Stated Use:
filtering water

Applicant:
Amiad Water Systems Pty Ltd

Notes

TCOs existing	NO
Tariff Advice	NO
Q5&6	F 5-8
LM Searches	F 10-16
IDM	F 17-22

s22(1)(a)(ii)

Please check words and use

12/3/14

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29



Australian Government
Australian Customs and
Border Protection Service

Trade
Services

This Site: Trade Services



Trade Services > TCO > Multi Screen Self Cleaning Filter

TCO: Multi Screen Self Cleaning Filter

New Item | Edit Item | Delete Item | Alert Me | Version History

TCO Number TC14/08894

Title Multi Screen Self Cleaning Filter

s22(1)(a)(ii)

Applicant Amiad Water Systems

s22(1)(a)(ii)

Goods Multi Screen Self Cleaning Filter

Claimed Classification 8421.21.90

s22(1)(a)(ii)

**Does Wording Reflect
Tariff Class**

"(b) filtration area between 13500cm² to 108000cm²" - should include cm²

'(c) maximum working pressure of 230 psi (16 bar)'

- Is this not more than, less than or equal to 230 psi?

- Why is 'psi' being used and not the metric equivalent kPa or MPa?

230 psi = 1,585.7 kPa

Tariff Classification 8421.29.00

**Is TCO Restricted by
Reg. 185 (EGS)**

No

Comments

General Duty Rate 5%

Identification of Goods AMIAD Water Systems 'Omega Series'

Models:

Omega I - max. flow rate 675m³/h; filtration area 13,500cm²; empty weight 900kg

Omega I E - max. flow rate 880m³/h; 18,000cm²; 970kg

Omega II - max. flow rate 1350m³/h; 27,000cm²; 1455kg

Omega II E - max. flow rate 1750m³/h; 36,000cm²; 1495kg

Omega III - max. flow rate 2700m³/h; 54,000cm²; 2400kg

Omega III E - max. flow rate 3500m³/h; 72,000cm²; 2600kg

Omega IV - max. flow rate 4050m³/h; 81,000cm²; 3250kg

Omega IV E - max. flow rate 5250m³/h; 108,000cm²; 3435kg

All models have the option of either a maximum working pressure of 150psi or 230psi (upon request).

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s22(1)(a)(ii)

20/03/2014

28

Filtration Process: raw water enters inlet and passes through multi-screens. Clean water flows out of the filter outlet.

Gradual dirt build-up on the inner screen causes a filter cake to develop which triggers a pressure differential switch when it reaches a pre-set value and allows for the self-cleaning process to begin.

Self-Cleaning Process: filter cleaning is carried out by multiple suction scanners (optional spring loaded nozzle (SLN) which simultaneously scan the multi-screens by a common electric motor driven gear mechanism.

Filtering process and cleaning cycle is controlled and monitored by a Programmable Logic Control (PLC). The PLC controls a solenoid that operates the exhaust valves by means of a hydraulic command or compressed air.

Tariff Advice No(s)	Tariff Precedents: 20167800 and 20167900
Headings Considered	8421
Comments and Chapter Notes	<p>8421 IR1 TOH being a filtering apparatus for liquids. Although there is a PLC incorporated into the operating of the unit, it does not change the identification of the goods. They are still considered to be filtering apparatus and thus covered by the TOH.</p> <p>As these filters are designed for different filtering applications:</p> <ul style="list-style-type: none">- water 8421.21.90,- waste water, industrial liquids 8421.29.00, <p>which equally merit consideration, classification is to be made vide IR3(c) to 8421.29.00 - filtering apparatus for other liquids.</p>

s22(1)(a)(ii)

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s22(1)(a)(ii)

20/03/2014

Description of Goods including the
Customs Tariff Classification

Schedule 4 Item Number

8421.29.00 FILTERS, stainless steel weave wire OR moulded reinforced polypropylene screen, self-cleaning, including ALL of the following: 50

- (a) flow rate NOT less than 675 m3/h and NOT greater than 5 250 m3/h;
- (b) filtration area NOT less than 13 500 cm2 and NOT greater than 108 000 cm2;
- (c) maximum operating pressure NOT greater than 16 bar;
- (d) ~~empty weight NOT less than 900 kg and NOT greater than 3 435 kg~~

Op. 11.03.14

- TC 1408894

Stated Use:

Membrane protection, municipal water, industrial water, oil and gas, irrigation

Applicant: AMIAD WATER SYSTEMS PTY LTD

(d) does not appear to help differentiate the goods

s22(1)(a)(ii)

3/4/14

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*possible
3
ording*



Australian Government

Australian Customs and
Border Protection Service

Reply to the Chief Executive Officer


Quote: TC 1408894

Your Ref: Amiad Omega Filter

Australian Customs and
Border Protection Service
Customs House
5 Constitution Avenue
CANBERRA ACT 2601
Ph: (02) 6275 6483
Fax: (02) 6275 6376
Email: tarcon@customs.gov.au

3 April 2014

s22(1)(a)(ii)


A large black rectangular redaction box covering the majority of the page content below the header.

TARIFF CONCESSION SYSTEM
APPLICATION ACCEPTANCE

Your application for Tariff Concession Order (TCO) Number TC 1408894 has been accepted by Customs as a valid application. The application will be published in Gazette Number TC14/14 of 9 April 2014. Details of the gazette notice are shown in the attachment.

Please examine the wording of the gazette notice and advise Customs immediately if the wording does not accurately describe the goods for which a TCO has been sought. This is a verification of agreed wording not an opportunity to further amend.

s22(1)(a)(ii)

A black rectangular redaction box covering the content of the 'Trade Services' section.

Trade Services

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Description of Goods including the
Customs Tariff Classification

Schedule 4 Item Number

8421.29.00	FILTERS, stainless steel weave wire OR moulded reinforced polypropylene screen, self-cleaning, including ALL of the following: (a) flow rate NOT less than 675 m3/h and NOT greater than 5 250 m3/h; (b) filtration area NOT less than 13 500 cm2 and NOT greater than 108 000 cm2; (c) maximum operating pressure NOT greater than 16 bar Op. 11.03.14	50
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- TC 1408894

Stated Use:

Membrane protection, municipal water, industrial water, oil and gas, irrigation

Applicant: AMIAD WATER SYSTEMS PTY LTD

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Description of the Particular goods including the applicable subheading of the Customs Tariff	Schedule 4 Item Last day of effect
<p>8421.29.00 FILTERS, stainless steel weave wire OR moulded reinforced polypropylene screen, self-cleaning, including ALL of the following:</p> <p> (a) flow rate NOT less than 675 m3/h and NOT greater than 5 250 m3/h;</p> <p> (b) filtration area NOT less than 13 500 cm2 and NOT greater than 108 000 cm2;</p> <p> (c) maximum operating pressure NOT greater than 16 bar</p> <p>Op. 11.03.14 Dec. date 05.06.14 - TC 1408894</p>	50

(05.06.14)

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TARIFF CONCESSION ORDER

Under Section 269P of the Customs Act 1901, I, s22(1)(a)(ii) a delegate of the Chief Executive Officer declare that the goods specified in Column 1 of THE TABLE are goods to which the item in Part III of Schedule 4 to the Customs Tariff Act 1995 specified in Column 2 of THE TABLE applies. This Order shall have effect from 11.03.14 and continue in force until revoked under sections 269SC or 269SD of the Act, or the date, if any, specified in Column 2.

THE TABLE

COLUMN 1 Description of Goods including the Customs Tariff Classification	COLUMN 2 Schedule 4 Item Number Last date of effect
8421.29.00 FILTERS, stainless steel weave wire OR moulded reinforced polypropylene screen, self-cleaning, including ALL of the following: (a) flow rate NOT less than 675 m3/h and NOT greater than 5 250 m3/h; (b) filtration area NOT less than 13 500 cm2 and NOT greater than 108 000 cm2; (c) maximum operating pressure NOT greater than 16 bar Op. 11.03.14	50

- TC 1408894

This is page 1 of 1 Page of the above Table.

Dated 05 June 2014

s22(1)(a)(ii)

.....
 Delegate of the Chief Executive Officer

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