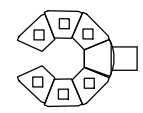


ITEM	DESCRIPTION - MATERIAL	CODE	UNIT WEIGHT (T)	
1	Ø1200mm FB Up-Flo Filter			
	with 1 module	UP-FLO.1KIT	2.390	 LOCATION INDICATOR
	with 2 modules	UP-FLO.2KIT	2.402	
	with 3 modules	UP-FLO.3KIT	2.415	
	with 4 modules	UP-FLO.4KIT	2.427	
	with 5 modules	UP-FLO.5KIT	2.439	
	with 6 modules	UP-FLO.6KIT	2.451	
	STANDARD SUPPLIED OUTLET Ø300mm (O/D 315mm)			
2	Lid		0.613	<input checked="" type="checkbox"/>
3	Streetware			
	Ductile Iron Cover & Frame Ø600mm		0.058	<input checked="" type="checkbox"/>

* PLEASE TICK THE NUMBER OF MODULES REQUIRED. IF THE LOCATION OF THE MODULES IS IMPORTANT, PLEASE USE THE ABOVE LOCATION INDICATOR TO SELECT YOUR PREFERENCE.

NOTE:

- The Up-Flo Filter can contain 1 to 6 modules. The invert level of optional inlet/s can be a minimum of 240mm above the invert level of the outlet pipe. Inlet pipework is installed by the contractor on site.
- The standard PE outlet pipe provides the following optional outside diameters: 389mm / 318mm / 267mm. The contractor simply trims the outlet back to the size required.
- Some dimensions could change to accommodate a site constraint situation. Please contact Hynds for technical assistance.
- The orientation and elevation of the inlet pipe can be adjusted to suit site requirements. Refer to the site plan for orientation.
- If the outlet invert depth to the ground level is >1296mm, the contractor will need to provide an appropriate riser to suit the on-site requirements.
- The unit includes an 1200Ø x 1800mmH flanged based manhole chamber and a 200mm thick heavy duty concrete lid. A 600Ø ductile iron cover & frame is Hynds standard supply throughout NZ.
- If Up-Flo is installed in an offline configuration and is connecting to a weir chamber - please note that the weir panel height within the weir chamber must match the height of the UpFlo outlet shaft, level "X" as shown on drawing. Height between invert of outlet stub to "X" is approximately 750mm

I AUTHORISE **HYNDS PIPES SYSTEMS LTD** TO PROCEED WITH THE MANUFACTURING OF THIS PRODUCT SPECIAL AS DETAILED ABOVE.
I ACKNOWLEDGE THAT ANY SPECIALS, ONCE MANUFACTURED, ARE DEEMED TO BE MY (CUSTOMERS) PROPERTY & ARE NON REFUNDABLE. PLEASE NOTE COSTS ARISING FROM CHANGES REQUESTED AFTER SIGNING THIS DRAWING WILL BE BORNE BY THE CUSTOMER.

NAME :- SIGNATURE :-

DATE :-

NOTES:

- Concrete : $f'c = 40\text{MPa}$
- Reo : $f_y = \text{Grade 500E}$
- Reo Cover : 30mm Min
- Min Lap Length : 40 x Bar Dia
- Dimensional tolerances: Table 1-NZS3109:1997
- Do not re-bend reinforcing steel
- Traffic loading to HN-HO-72 Transit New Zealand load criteria
- Consult Engineer where exposure classification C or U is required (Saltwater Tidal/Splash Zone or other aggressive environment).

MATERIALS

VOL (m³/unit) =

WT (ton/unit) = See Table

CODE =

REVISIONS

REV #:	REVISION DESCRIPTION:	DATE:	DRAWN:
1	Details Updated	17 Nov 2015	HJ
2	Finalise drawing for issuing	20 Nov 2015	HJ
3	Txt Update GA ready to load into HUB	04 Dec 2015	DA
4	Update invert on notes	10 May 2016	HJ
5	Update outlet to US version and notes	15 Jun 2016	HJ
6	Update notes and mark up for weir panel height	4 May 2018	KI
7	CAD Stamp updated	23/7/2018	KI

PO Box 58142, Botany, Auckland, 2163
Tel: 09-274 0316
Fax: 09-272 7485
email: technicalservices@hynds.co.nz

HYNDS

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ISO 9001 CERTIFIED MANAGEMENT SYSTEM

PROJECT DESCRIPTION:

Hynds Environmental

Up-Flo Filter

SERVICE DETAIL:

Ø1200 x 1800mm High Flanged Base

Up-Flo Filter - 1 to 6 Modules

General Arrangement

REFERENCE/QUOTE NUMBER:	T2965-1	
DRAWN: DA	DESIGN:	CHECKED: HJ
SIGNATURE:	SIGNATURE:	SIGNATURE:
SCALE: As Shown	Note: Do not scale drawing if in doubt ASK!!!	DATE: 16 Sep 2015
PAPER SIZE: A3		
DRAWING NUMBER: E1000	REVISION NUMBER: 8	