



ITEM	DESCRIPTION - MATERIAL	CODE	WEIGHT (T)	
1	Ø1800mm FB Up-Flo Filter			
	with 7 modules	UP-FLO.7	4.312	
	with 8 modules	UP-FLO.8	4.325	
	with 9 modules	UP-FLO.9	4.353	
	with 10 modules	UP-FLO.10	4.360	
	STANDARD SUPPLIED OUTLET Ø300mm (O/D 315mm)			
2	Lid			LOCATION INDICATOR
	Lid Heavy Duty 200mm, Ø600mm opening	LD1800200600	1.599	<input checked="" type="checkbox"/>
3	Streetware			
	Ductile Iron Cover & Frame Ø600mm	DIMHMCFHS	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 7 to 10 modules. The optional invert levels of 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 from the lid level is >1296mmH, the contractor will need to provide an appropriate riser to suit the on-site requirements.
- The unit includes an 1800Ø 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.

I AUTHORISE **HYNDS PIPES SYSTEMS LTD** TO PROCEED WITH THE MANUFACTURING OF THIS PRODUCT AS DETAILED ABOVE.
I ACKNOWLEDGE THAT ANY PRODUCTS, ONCE MANUFACTURED, ARE DEEMED TO BE MY (CONTRACTOR'S) PROPERTY & ARE NON REFUNDABLE. STORAGE & HANDLING FEES WILL BE INCURRED FOR PRODUCTS THAT ARE NOT DELIVERED WITHIN 1 MONTH OF THE DATE AGREED AT THE TIME OF ORDER. PRODUCT NOT DELIVERED WITHIN 3 MONTHS OF THE DATE AGREED WILL BE DESTROYED AT MY EXPENSE.

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 5.1-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) =

CODE =

REVISIONS

REV #	REVISION DESCRIPTION:	DATE:	DRAWN:
1	Update drawing and and finalise drawing for issuing	20 Sep 2015	HJ
2	Txt update GA ready to upload to the HUB	04 Dec 2015	DA
3	Update outlet to US version and notes	16 Jun 2016	HJ

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PROJECT DESCRIPTION:

Hynds Environmental

Up-Flo Filter

SERVICE DETAIL:

Ø1800 x 1800mm High Flanged Base
Up-Flo Filter - 7 to 10 Modules

General Arrangement

REFERENCE/QUOTE NUMBER:		
DRAWN: DA	DESIGN:	CHECKED: HJ
SIGNATURE:	SIGNATURE:	SIGNATURE:
SCALE: As Shown	Note: Do not scale drawing if in doubt ASK!!!	DATE: 22 Sep 2015
PAPER SIZE: A3		
DRAWING NUMBER: E1001	REVISION NUMBER: 3	