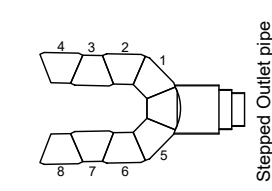


ITEM	DESCRIPTION - MATERIAL	CODE	UNIT WEIGHT (T)	
1	Ø1800mm FB Up-Flo Filter	MHF18210020SW		
	with 7 module	UP-FLO.7KIT	6.372	
	with 8 modules	UP-FLO.8KIT	6.385	
	Stepped (BK) OUTLET (O/D's 267mm, 318mm & 389mm)			
2	Manhole Lid Ø1800 200Hmm Ø600 Hole	MHL18200HN6W	1.346	<input checked="" type="checkbox"/>
	Streetware (1x DI Covers and Frames required)			
3	Ductile Iron Cover & Frame Ø600mm	DIMIMCFHS	0.058	<input checked="" type="checkbox"/>

- * PLEASE TICK THE NUMBER OF MODULES REQUIRED.
- * STANDARD MODULE LOCATIONS ARE INDICTED ABOVE IF THE LOCATION OF THE MODULES IS IMPORTANT, PLEASE USE THE ABOVE LOCATION INDICATOR TO SELECT YOUR PREFERENCE.

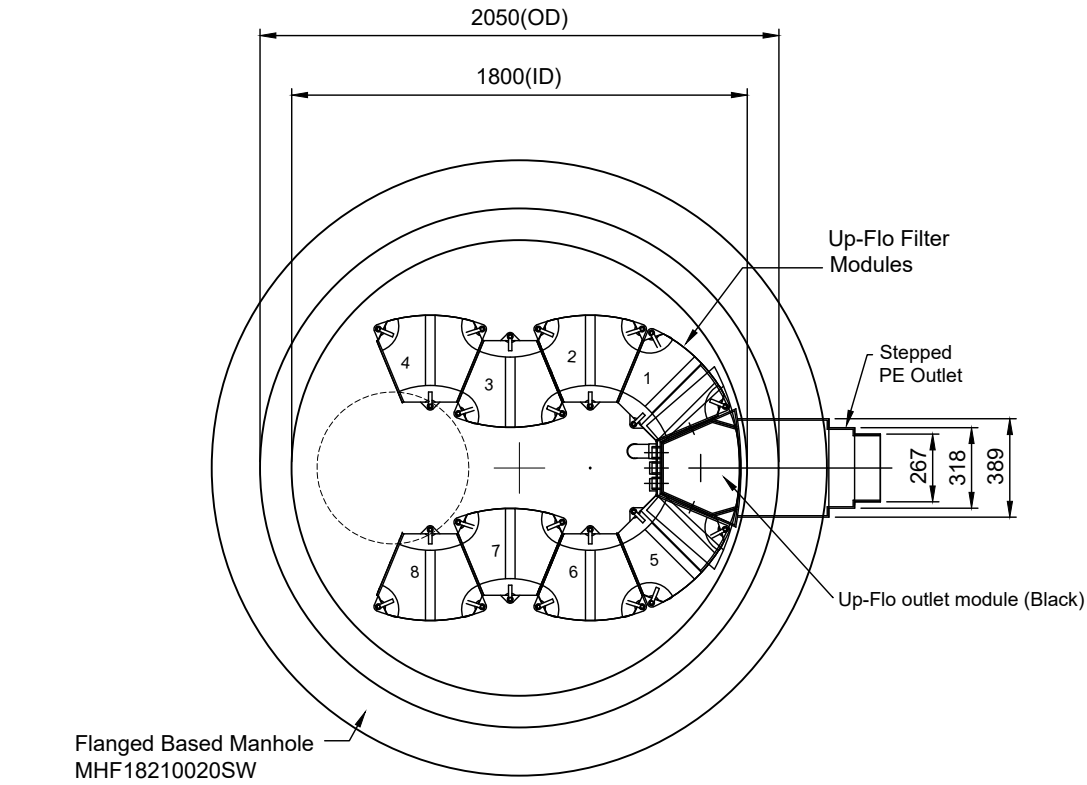
NOTE:

- The Up-Flo Filter can contain 1 to 8 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 >1598mm, the contractor will need to provide an appropriate riser or Lid rings to suit the on-site requirements.
- The unit includes an 1800Ø x 2100mmH flanged based manhole chamber, 200mm thick concrete lid and a 600Ø ductile iron cover & frame is Hynds standard supply throughout NZ. Concrete Lid designed to HD60 up to HN:HO-72 Vehicle Loads
- If the 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 "Vessel Height" as shown on drawing. Height between invert of outlet stub to Vessel Height is 842mm
- Varied depths can be achieved by placement of additional riser sections or Lid adjustment rings on top of the standard unit shown

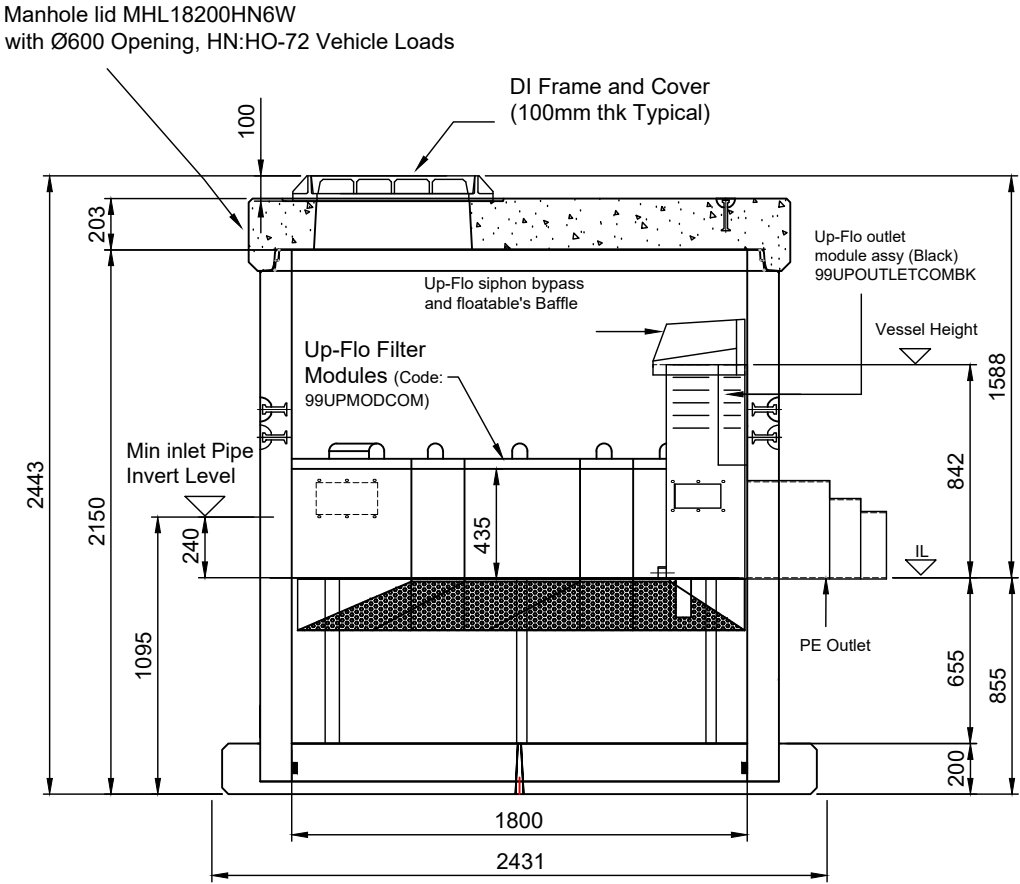
I AUTHORISE **HYNDS PIPES SYSTEMS LTD** TO PROCEED WITH THE MANUFACTURING OF THIS PRODUCT SPECIAL AS DETAILED ABOVE.
I ACKNOWLEDGE THAT ANY SPECIALS, ONCE MANUFACTURED, ARE DEEMED TO BE MY (CUSTOMERS) PROPERTY & ARE NON REFUNDABLE. PLEASE NOTE COSTS ARISING FROM CHANGES REQUESTED AFTER SIGNING THIS DRAWING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

NAME :-

DATE :-



Plan View



Section A
Scale: N.T.S

NOTES:

- Concrete : $f_c = 50\text{MPa}$, 10mm Aggregate (SCC)
- Reo : $f_y = \text{Grade 500E MA}$
- Reo Cover : 40mm Min
- Min Lap Length : 40 x Bar Dia
- Dimensional tolerances : Table 5.1-NZS3109:1997
- Do not re-bend reinforcing steel
- Design Load: HD60
- Design Life: 100 Years
- Exposure Classification: Internal = B2, External = B2
- Finish: F3 as per NZS3114.

MATERIALS

VOL (m³/unit) =
WT (ton/unit) = See Table
CODE = See Table

REVISIONS

REV #:	REVISION DESCRIPTION:	DATE:	DRAWN:
A	Issued For Approval	19 Nov 2019	GH
1	Issued For Constuction	9th April 2020	GH
2	Flanged Base Amended	23 April 2020	GH
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PO Box 58142, Botany, Auckland, 2163
Tel: 09-274 0316
Fax: 09-272 7485
email: technicalservices@hynds.co.nz



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ISO 9001 CERTIFIED MANAGEMENT SYSTEM

PROJECT DESCRIPTION:

Hynds Pipe Systems Limited
Up-Flo 7 To 8 Modules (PDEP)
Standard Drawing
--

SERVICE DETAIL:

Up-Flo Filter Ø1800x2100 FB (PDEP)
7 to 8 Modules
FB1800x2100mm
General Arrangement

REFERENCE/QUOTE NUMBER:	----	
DRAWN: GH	DESIGN: GH	CHECKED: ----
SIGNATURE:	SIGNATURE:	SIGNATURE:
SCALE: As Shown	Note: Do not scale drawing if in doubt ASK!!!	DATE: 4-Jun-20
PAPER SIZE: A3		
DRAWING NUMBER: T7495 - GA	SHEET NUMBER: GA of ----	REVISION NUMBER: 2