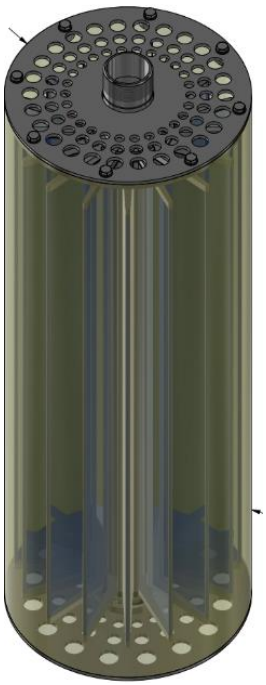
1.2m³ - Single 50µm Filtration System

FEATURE HIGHLIGHTS:

Subsea Filtration Systems
Kraken Subsea's engineering team are specialists in subsea filtration design. We have designed and built a wide range of filters used around the globe. These filtration systems have been used in shallow waters close to river deltas where high debris content is present through to ultra-deep 2500m+ water depths.

Filter Design
To ensure a smooth free flooding operation we have designed the filters to have a maximum of 0.3 bar loss across the filter mesh at 1,200 LPM, which is a higher flowrate then required. At the required flowrate of ~250 LPM the loss across the filter is less than ~ 0.1 bar. During detailed design Kraken Subsea can include your tie-in fitting and pipework configuration in our estimates, this will give you an idea of what to expect during your pipelay operation.

Custom Design
The filtration system will be engineered and designed specifically for this project. Once more detail is known and the requirements are fully understood we will complete final design of filtration system. This ensures the system is fit for purpose and fulfils all your needs.



Indicative sketch only

TECHNICAL SPECIFICATIONS:

Minimum Capacity	1.2m³/min with a minimum 50% addition capacity (1.8m³/min is achievable)	
Connection	2" Fig. 1502 female (This can be changed to match client supplied Hotstab connection)	
Approximate Dimensions	Height:	0.9m
	Diameter:	0.3m
Manoeuvrability	2 ROV grab bars will be included in the design if required to aid installation.	
Pressure Loss	The pressure lost through the filter element will be approximately 0.3bar at a flowrate of 1.2m³/min. This pressure loss will reduce significantly as the flow rate decreases.	
Weight	The weight of the filter in water will be below 50kg.	