



DESMI Zipper Umbilical Hose (ZUH)  
- An innovative design to handle trussed floating hoses

PROVEN OIL SPILL TECHNOLOGY

# DESMI Zipper Umbilical Hose (ZUH)

The DESMI ZUH (zipper umbilical hose) is the new ultimate hose sleeve to protect and organize floating trussed hoses. Furthermore, the hose sleeve has its own build in buoyancy, which makes it an excellent choice in oil spill skimming operations at Sea.

Usually hose sets (hydraulic and discharge hoses) are tied together and are equipped with separate buoyancy floats which are mounted during deployment. The ZUH will apart from the improved ease of handling also increase safety during handling to a new level by the full encapsulation of trussed high-pressure hoses.

The ZUH is a fully enclosed sleeve suited for most commonly used hose sets; 4, 5 or 6-inch discharge hoses and various number of hydraulic hoses, depending on the skimmer type and size. To facilitate easy repair and cleaning after oil spill the sleeve has a marine grade mega zipper running at the full length. After undoing the zipper, the hose bundle will lay flat on the ground tied to the sleeve. Then it is easily cleanable with a high pressure cleaner or the like. Should a repair or replacement of a hose be necessary, the damaged hose can easily be replaced/repared by loosening the internal hose ties of the ZUH sleeve.

The ZUH is made up from heavy grade PU-fabric and all seams are HF welded. The buoyancy material is high quality closed cell foam, which is fully encapsulated in longitudinal welded channels. This provides the necessary buoyancy and secures optimal flexibility over the length of the hose set. The marine grade style zipper is well-proven and have been used successfully in trawl bags and fish cages in the past.



Zipper sleeve for hydraulic and discharge hoses

Discharge hose connection between sections

DESMI ZUH shown on a hydraulic driven reel

DESMI ZUH during operation

The DESMI ZUH can be delivered in following standard lengths: 20 and 30 m / 66 and 100 ft. Length of discharge hose sections corresponds with lengths of ZUH sleeve sections - you do not need to roll off the entire ZUH to take out a discharge point.

### Hose sleeves available in three widths:

S	484 mm / 1.6 in flat width, minus zipper
M	668 mm / 2.2 in flat width, minus zipper
XL	856 mm / 2.8 in flat width, minus zipper

It is possible to handle ZUH lengths build up to 70 m / 230 ft on our hose reel. A range of hydraulic driven hose reels is available for the different length/dimension combinations. Hose reels are equipped with swivel shaft connection to the high-pressure hydraulic hoses.

### Specifications.

<b>S-sleeve</b> mainly used for small hose sets with 3" and 4" discharge hoses and three hydraulic hoses.		
Light	Outer fabric 36 OZ/yd <sup>2</sup> PU Black (1200 gr/m <sup>2</sup> )	Inner fabric 26,5 OZ/yd <sup>2</sup> PU/PVC Orange (900 gr/m <sup>2</sup> )
<b>M-sleeve</b> mainly used for medium hose sets with 5" discharge hoses and between five and nine hydraulic hoses.		
Light	Outer fabric 36 OZ/yd <sup>2</sup> PU Black (1200 gr/m <sup>2</sup> )	Inner fabric 26,5 OZ/yd <sup>2</sup> PU/PVC Orange (900 gr/m <sup>2</sup> )
<b>XL-sleeve</b> mainly used for larger hose sets with 6" discharge hoses and seven and eleven hydraulic hoses.		
Heavy	Outer fabric 56 OZ/yd <sup>2</sup> PU Black (1900 gr/m <sup>2</sup> )	Inner fabric 26,5 OZ/yd <sup>2</sup> PU/PVC Orange (900 gr/m <sup>2</sup> )

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