



## Industry

General Lay-flat Hose



**Ultraman high volume transfer is a lightweight multipurpose hose, extruded "through the weave" by a polyeter-based, high-quality TPU. Its high operational pressure combined with lightweight and compact storage makes it ideal for use within several industries.**

Ultraman HVT is designed using a special weave design that gives no kinking at low-pressure pumping. Another feature is the full diameter recovery after pressure release, and is resistant to a wide range of chemicals. To prove that this hose can operate in the most demanding situations, it has been developed with excellent hydrolysis and fungus resistance, along with great resistance to weather, UV, and Ozone. Ultraman HVT is leakproof and tested in sections up to 200m.

## Key Features

- Full diameter recovery after pressure release.
- Excellent hydrolysis and fungus resistance.
- Resistance to a wide range of chemicals.
- Excellent UV, Ozone and weathering resistance.
- Leak proof tested section lengths up to 200 mts.
- Operating temperature from -50°C to +75 °C (-58°F to +167°F) for pure water.

## Design

- Thermoplastic polyether based polyurethane (TPU).
- Extrusion through a circular woven jacket.
- Excellent adhesion between cover and weave.

## Advantages

- Excellent hydrolysis and fungus resistance.
- High diameter and extension stability.
- Resistance to a wide range of chemicals (Ref. chemical list).
- Excellent UV and weathering resistance.
- Longer length (> 200m) on request for diameter up to 6 inches.



## Ultraman HVT (Technical data)

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Inner diameter		Wall Thickness		Weight		Burst Pressure		Tensile Strength	
Inch	mm	Inch	mm	Lbs / ft	Kg / m	Psi	Bar	X 1000 lbs	Tons
8"	203 + 3.0	0.16	3.9	1.82	2.7	610	42	81.5	37.0
10"	254 + 5.0	0.16	4.0	2.35	3.5	520	36	101.0	46.0
12"	305 + 5.0	0.17	4.2	2.83	4.2	435	30	120.0	54.5

**NOTE:** Minimum safety factor BP/WP is 2:1 (50%) for all non-hazard and/or non-flammable liquids.

For questions about chemical resistance please check Download – Chemical Resistance or contact your local distributor or contact sales@mandals.com

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