



## Product Information Sheet

**Hydrogen Decant Hose for pressures up to 300barg**  
**Product Code: CON-300-300-1M-1W**

Description	
300 barg rated high-pressure decant hose to connect a 300 barg TPED compliant source cylinder e.g. H <sub>2</sub> Linde Genie® Cylinder to a customer selected 300 barg rated receiver vessel	

Components	
Input Connection	ISO 5145 Type 38 for H <sub>2</sub> (or customer specified alternative)
Filter	Pore Size: 100µm
Orifice Plate	Bore Size: 0.1mm (or customer specified alternative)
Pressure Indicator	Displays 0 - 350 barg
Bleed Valve	Working pressure of 689 barg (at 37°C)
Microbore Hose	Length: to customer specification Bore Size: 2mm
Output Connection	8mm PCP Female Quick Coupler (or customer specified alternative)

Pressure	
All components rated to 300 barg minimum and suitable for H <sub>2</sub> gas	

Dimensions	
Length	to customer specification (standard lengths are ~1.5m)

Features	
Microbore hose with anti-whip cable	
Standard input connection to a H <sub>2</sub> Linde Genie® cylinder of working pressures above 250 barg (or customer specified alternative)	
1-way flow path (from source cylinder to receiver vessel)	
Suitable for H <sub>2</sub> gas as a fuel for PEM fuel cells	
Pressure Indicator to display pressure of receiver vessel	
Orifice Plate to control flow rate appropriate for the filling of Type 3 composite cylinders	
For filling Type 4 cylinders please contact us for further advice*	

\*Flow rate modelling available for customers to ensure fill rates are suitable for any type of cylinder

If you require any more information please email us at: [info@nanosun.co.uk](mailto:info@nanosun.co.uk)  
 Or visit our website at: [www.nanosun.co.uk](http://www.nanosun.co.uk)