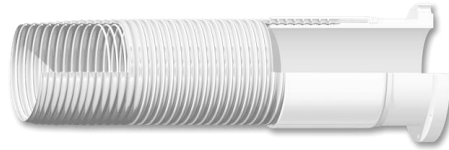# Tank (Roof) Drain composite Hose Type 514

Applications
This type is designed for applications requiring a hose with external chemical resistance, e.g: roof drain or submerged applications, where the hose is on the outside exposed to the product.
This type is also suitable for the use of the flexible hose joint (Type 514PIV) in floating roof tanks.

All tank (roof) drain hoses are supplied in fitted lengths. This type can be delivered including lead cable and accessories.

In order to determine the length of the hose make use of the following formula:

$$L = 1.15 \times (H^2 + R^2)$$ (L= length of hose, H = height of tank, R = radius of tank).

Technical description
Lining:	Polypropylene
Inner wire:	Stainless steel 316
Outer wire:	SSP514 Stainless steel 316
Wall:	Thermoplastic and fluoropolymer fabrics, films and tube layers
Cover:	Polypropylene, no marking, white temperature range: -30°C to + 80°C (-22°F to + 176°F)
Electrical properties:	Electrically conductive
According standard:	EN13765:2010, Type 2

Physical properties
Maximum elongation: 10% on test
pressure Vacuum range: 0,9 bar

End fittings
Specially designed end flange connections have been developed for use with Amnitec composite hoses. By means of a hydraulic operated press, a ferrule is externally swaged onto the hose to secure the hose shank and guarantee a leak proof connection between hose and fitting. All ferrules are welded to the end fitting before swaging for even safer operating conditions.

TECHNICAL DATA: TYPE SSP514									
Inside Diameter		Working Pressure		Min. Bend Radius		Approx Weight		Maximum Length	
Inches	mm	PSI	Bar	Inches	mm	lb/ft	kg/m	Feet	Meters
2	50	150	10	5½	140	1.20	1.80	65	20
3	80	150	10	9	230	2.50	3.70	65	20
4	100	150	10	15	380	4.40	6.50	65	20
6	150	150	10	18	460	7.00	10.50	79	24
8	200	150	10	27	690	12.00	18.00	50	15

Pressure based on safety factor 5:1

All information in this document is without any obligation, dimensions and weight are approximate only and the specifications are subject to change without any notice.