

# PHARMASTEEL

***Hose made with TPE hygienic rubber and stainless steel spiral; resistant to alcoholic content up to 96%***

## Applications

Versatile suction and delivery hose designed to convey food, cosmetic, health care and pharmaceutical products. Suitable for a manifold range of media such as premium wines, fruit juices, vinegar, spirits with alcoholic content up to 96%, creams, soaps, milk and by-products; also resistant to products containing oils and fats in accordance with EU Regulation n° 10/2011.

## Technical Features

Flexible hose made from TPE hygienic rubber reinforced with AISI 302 stainless steel spiral. Inside and outside completely smooth to enhance flow properties and allow easy cleaning and sterilization processes.

## Properties

The extruded, low porosity TPE tube reduces permeation problems. Highly neutral in taste and odor, it preserves the organoleptic properties of the medium. Good chemical resistance to acids and alkaline solutions and good impermeability. Versatile rubber resistant also to oils and fats under common use conditions.

## Cover features

Excellent resistance to ozone, ageing and weather condition.

## Curing-free material

Pharmasteel does not need any vulcanization process, therefore it prevents the risk of leaching of curing agent residues into the end product (peroxide or platinum volatile rests). It allows to save energy sources and limit CO2 emissions.

## Standards

Food grade according to the EU Regulation n° 10/2011, FDA regulations (Title 21 CFR 177.2600 for aqueous foods (e)). Compliant with the pharmaceutical standards USP CLASS VI. Resistant to hydrolysis and proliferation of bacteria. It can be made electrically bonded according TRB S 2153 by grounding the spiral. The electrical resistance  $R \leq 10^2 \text{ Ohm/m}$  is according to ISO 8031 - ATEX Directive 94/4/EC and 99/92/EC).

## Temperature range

-30°C + 125°C / -31°F +257°F

For cleaning and disinfecting, consult IPL's cleaning instructions. We do not recommend the use of SIP cleaning, which can severely impair the hose life.

## Connection system

Safeback

Technical data								
Part number	Inside ø (mm)	Outside ø (mm)	Weight (g/m)	Working press. (bar)	Vacuum	Bending radius (mm)	Coil length (m)	Volume (m³)
HS 01 013.0 019.0	13	19	175	2.7	8.5	60	60	0.038
HS 01 016.0 022.4	16	22.4	220	2.3	8.5	70	60	0.048
HS 01 019.0 026.0	19	26	270	2.3	8.5	90	60	0.071
HS 01 025.0 033.0	25	33	405	1.5	8.5	110	60	0.111
HS 01 032.0 040.4	32	40.4	525	1.5	8.5	140	60	0.171
HS 01 013.0 019.0	38	47	640	1.2	8.5	170	30	0.114
HS 01 051.0 061.0	51	61	1055	1.0	8	230	30	0.213

