



#### Limitations

Respect the bending radius and work pressure established values.

Mind the chemical compatibility of the fluid with the EPDM.

This hose is not recommended to work in vacuum.

#### Regulations

EPDM rubber produced in compliance with:

- US FDA Standard 21 CFR 177.2600

EPDM rubber used is in accordance with EU Directive 2002/95/ECC for Restriction of the use of hazardous substances (RoHS).

#### Applications

It is especially recommended for cleaning operations with saturated steam and hot water wash-down services.

The design ensures a good heat-resistance hose structure, making it ideal for dairy industries, creameries and food processing plants for safe operations during hot water, steam cleaning processes and disinfection procedures.

#### Properties

- Odorless, tasteless and completely non-toxic.
- White colored and smooth inner appearance, blue colored and smooth outer appearance.
- Can be equipped with 316L stainless steel fittings on each end with a roughness value of less than 0.8 µm (or 0.5 µm on request).
- Operational temperature ranges from -40°C (-40°F) to +164°C (327.2°F).
- Available at a maximum length of 40m (131.23 ft).

#### Construction

This product is manufactured with inner white EPDM food quality rubber and outer blue EPDM cover, it is equipped with plies of synthetic cord reinforcements inside the wall of the tube.

Alternative:

**VENA® STEAM HR:** The hose included an embedded stainless steel wire braids. For VENA STEAM HR available at a maximum length of 20m (65.61 ft).

### Technical Specifications

#### VENA® STEAM:

Inner Diameter		Wall thickness ISO 1307		Working Pressure ISO 1402		Bursting Pressure ISO 1402		Bending Radius ISO 1746	
mm	inch	+1.5/-1.5 mm	+0.06/-0.06 inch	Bar at 164°C	Psi at 327°F	Bar at 164°C	Psi at 327°F	mm	inch
10	3/8	5.00	0.20	6	87.02	18	261.07	75	2.96
13	1/2	5.00	0.20	6	87.02	18	261.07	100	3.94
16	5/8	6.00	0.24	6	87.02	18	261.07	120	4.73
19	3/4	6.00	0.24	6	87.02	18	261.07	160	6.30
25	1	7.00	0.28	6	87.02	18	261.07	200	7.88
32	1 1/4	7.00	0.28	6	87.02	18	261.07	260	10.24
38	1 1/2	8.00	0.31	6	87.02	18	261.07	300	11.82
50	2	8.50	0.35	6	87.02	18	261.07	380	14.96

# Technical Datasheet

## VENA® STEAM

Ref: DO 03.10 FT 327. Rev. 03  
Date: 17/12/2018

### VENA® STEAM HR:

Inner Diameter		Wall thickness ISO 1307		Working Pressure ISO 1402		Bursting Pressure ISO 1402		Bending Radius ISO 1746	
<i>mm</i>	<i>inch</i>	<i>+1.5/ -1.5 mm</i>	<i>+0.06/ -0.06 inch</i>	<i>Bar at 164°C</i>	<i>Psi at 327°F</i>	<i>Bar at 164°C</i>	<i>Psi at 327°F</i>	<i>mm</i>	<i>inch</i>
10	3/8	5.00	0.20	6	87.02	18	261.07	66	2.60
13	1/2	6.00	0.24	6	87.02	18	261.07	86	3.39
16	5/8	6.00	0.24	6	87.02	18	261.07	106	4.17
19	3/4	7.00	0.27	6	87.02	18	261.07	125	4.92
25	1	7.50	0.30	6	87.02	18	261.07	165	6.50
32	1 1/4	7.50	0.30	6	87.02	18	261.07	190	7.48
38	1 1/2	8.50	0.33	6	87.02	18	261.07	225	8.86
50	2	9.00	0.35	6	87.02	18	261.07	305	12.01

### Use Precautions

- The extreme working conditions or the use of materials with low compatibility with the EPDM rubber can attack the inner surface of the hose. It is advisable to inspect the inner appearance for cracks or swelling, and replacement of the hose, if necessary.
- Hose cover: Should be inspected over the entire length for signs of hardening, abrasion, cuts, kinking or crushing.