



# BLAUDIECK® LGDSU

## The vacuum resistant beverage and foodstuff hose with UPE liner

### Application

The BLAUDIECK® LGDSU-hose as a vacuum resistant construction with an integrated steel wire helix offers high quality at a reasonable price. The hygienically smooth, non-porous UPE lining free of plasticizers is absolutely neutral to taste and odour and thus suitable for various applications in the beverage and foodstuffs industry. It is extremely resistant to commonly used cleaning and disinfecting products and can easily be cleaned conventionally or by CIP installations. Both, lining and cover are resistant to oil, fats and aggressive chemicals such as acids and caustics. Together with our swaged coupling systems and rubber protection rings it becomes the ideal hose assembly!

### Marking

2 white stripes on blue cover "Continental ContiTech BLAUDIECK® UPE FDA glass/fork symbol BfR EG 1935/2004 2023/2006 Made in Germany" spirally applied

### Description

- White, non-porous, smooth UPE lining, free of plasticizers, absolutely neutral to taste and odour
- Reinforcements: synthetic fibres
- With steel wire helix
- Blue, fabric patterned NBR-cover, resistant to ozone, weather, UV and abrasion
- Working pressure up to 16 bar / 232 psi
- Temperature range from -30°C up to +95°C / -22°F up to +203°F (+110°C / +230 °F max. 60 minutes)
- Can be steamed up to +130°C / +266°F (max. 30 minutes)
- Suitable for pure alcohol up to 100%
- Lining and cover resistant to oil and fats
- Meets the requirements of EG 1935/2004, EG 2023/2006 and EU 10/2011
- Meets the recommendation III of BfR and FDA (21 CFR 177.1520)

### Technical data

nominal width inch	inner-Ø mm	wall thickness mm	length m	steel wire helix	working pressure		min. burst pressure		Vacuum		min. bending radius aprx. mm	weight aprx. g/m
					bar	psi	bar	psi	bar	mmHg		
1	25	6	40	•	16	232	48	696	-0,8	-600	170	760
1 1/4	32	6	40	•	16	232	48	696	-0,8	-600	200	1050
1 9/16	40	7	40	•	16	232	48	696	-0,8	-600	250	1450
2	50	8	40	•	16	232	48	696	-0,8	-600	330	2000
2 5/8	65	8	40	•	16	232	48	696	-0,8	-600	430	2520
3	75	8	40	•	16	232	48	696	-0,8	-600	500	2840
3 1/8	80	8	40	•	16	232	48	696	-0,8	-600	530	3050
4	100	9	40	•	16	232	48	696	-0,8	-600	660	4180

Pressure and vacuum based on room temperature / High pressure and/or temperature lead to reduced component durability

