

## Series HL 40 / 80

**80 °C**



### Compact foodstuffs hose with integrated heating and optional electronic control

The Series HL foodstuffs hose is another innovation and stands out because of its compact build. The heating element is wound onto the inner liner of the NBR hose and is thus vulcanised in the inner core. There is practically no more difference to an unheated hose either optically or in technical application terms. The temperature sensor is also worked into the hose and captures the temperature directly at the hose wall. This universal hose is suitable to transport fatty (especially animal and vegetable fats & oils) and non-fatty foodstuffs. Also suitable to carry alcoholic and non-alcoholic beverages and fruit juices.

<b>Operating temperature:</b>	max. 80°C
<b>Rated voltage:</b>	230 V AC / DC (other voltage 12 - 500 V)
<b>Rated power:</b>	see schedule
<b>Construction:</b>	Clear NBR inner liner, torsion and pressure-proof fabric carcass, inside smooth, outside smooth textile patterned
<b>Outer mantle:</b>	non-scratch, weather-resistant
<b>Colour outer mantle:</b>	blue
<b>Fittings:</b>	Stainless steel fittings of 1.4301 vulcanised bubble-free, Milk tube union / RD
<b>Fittings options:</b>	Conical hose connector / groove nut, threaded hose connector, optional flange (aseptic...), Clamp
<b>Temperature sensor:</b>	integrated heating conductor with PT 100 sensor
<b>Connecting cable:</b>	1.5 m
<b>Cleaning:</b>	Short-duration steam cleaning up to 130°C suitable for CIP and conventional cleaning
<b>Protection grade:</b>	IP 54 (EN 60529)
<b>Protection class:</b>	I

Armatur (RD)	DN (mm)	Wand (mm)	BD (bar)	Bending radius ca. (mm)
44 x 1/6"	20	6	10	150
52 x 1/6"	25	6	10	175
58 x 1/6"	32	6	10	224
65 x 1/6"	40	7	10	280
78 x 1/6"	50	7	10	350
95 x 1/6"	65	7	10	455
110 x 1/4"	80	8	10	560
130 x 1/4"	100	8	10	700

max. Length (m)	Power up 40 °C (W/m)	Power up 80 °C (W/m)
40	30	50
40	40	60
40	50	75
40	60	90
40	75	120
40	90	150
40	110	200
40	140	250

All hose materials used meet the requirements of the German Institute for Consumer Health Protection "Empfehlung XXI Kat. 2" by BGVV(D) and FDA Part 177.2600

On request, we can also supply suction and pressure hoses with steel coil. For higher temperatures, we can also make fluoropolymer (Viton) hoses. Connectors with flanges, rapid-action couplings or exterior threads also available on request.

A range of temperature control devices is available, ranging from the HT 54 integrated mini-controller with fixed temperature setting to convenient microprocessor controlled devices. See chapter 6 Temperature Controllers.

