

Series H 300 B

180 °C



Automatically limiting analytical heating hose with firm PTFE inner core available in reels or by the metre

For self-assembly:

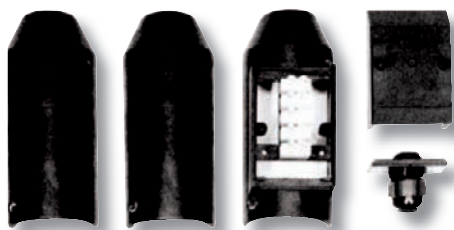
The H 300 B heating hoses can be supplied by the metre in lengths up to 150 m, so that customer can specify the lengths of his heating hose "from the reel" and can fit the end connections in situ using our H 300 B-K assembly set. Parallel heating tapes are used for heating purposes.

For explosion-endangered areas, the heating hose can be supplied with explosion protection EExd IIC T 6 respectively T 5 up to 65°C, and as T 3 ATEX permit EExe II T 3 / T 5 / T 6 (Plex connections) up to 120°C.

Heating conductor for assembly in H 300 B:



Operating temperature according to choice of heating tapes:	max. 65°C, 120°C, 180°C Technical data, HKSI 70 Ni, HKSP 20, HKSI 40, HBRC, HBR
Rated voltage:	230 V AC (other voltage 12 - 500 V)
Inner core:	PFA- or PTFE core, see page 15
Fitting:	core 100 mm protruding, without transition
Thermal insulation:	heat stabilised, closed pore foam, respectively felt
External protection:	Polyamide 6-ring corrugated hose, flame-resistant, halogen-free, temperature -40°C to +120°C, briefly +150°C
End cap:	PA- hard cap or elastomer cap
Temperature sensor:	at HKSI sensor Fe-CuNi or PT 100
Outer diameter:	42 mm, ±10%
Manufacturing grade:	up to 150 m
Protection grade:	IP 54 (EN 60529)
Protection class:	I



Assembly kit H 300 B-K

The heating hoses with semi-conductor heating tapes HBR reduce their power at heating. The reached temperature depends on the ambient terms. Depending upon application a temperature controller is necessary, because the semi-conductor-coating can be damaged. Where temperature differences arise on sections of installed heating hoses, the heating capacity adapts to the ambient temperature section by section. Accordingly, this ensures uniform heating overall.

