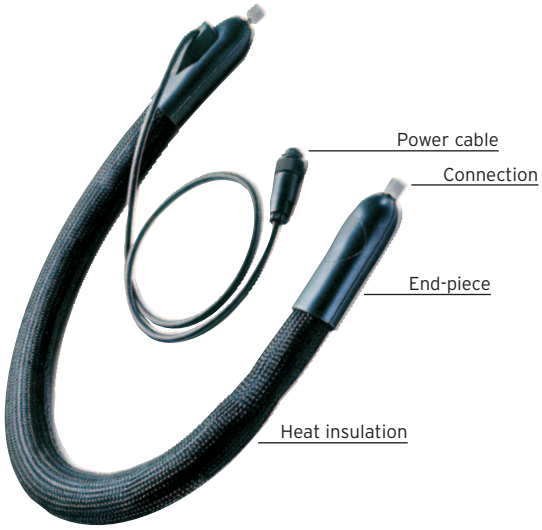
TUY
Flexible heated hoses

Characteristics

- Temperature range : 100°C, 200°C and 250°C.
- Hose : PTFE reinforced with a stainless steel braid.
- Heating cable : PTFE insulation with braid.
- Temperature sensor : PT 100 or thermocouple J or K.
- Heat insulation : Silicon foam.
- Outer sheath : Polyamide braid.
- End-pieces : Silicon caps with device to protect output cable from being ripped out.
- Voltage : 230 V, other on request.
- Connection : Revolving nuts, UNF, BSP/DKR connections, or with smooth end-pieces.



Use

Consult the pages of the catalogue devoted to the corresponding general operating principles, general instructions for use and accessories.

Applications

Flexible heated hoses are used as connectiing parts between fixed and moving machine parts when it is vital to maintain these at constant temperature.

Gluing applications, hotmelt adhesive installations, the food industry, labeling machines, polyurethane foam spraying installations, oil burner conduits, gas sampling conduits for measuring purposes, etc.

To ensure that these heating elements enjoy a long service life, we recommend using a control device.

Options

- Stainless steel connections.
- Outer stainless or galvanised steel braid.
- Pilot lines can pass through the heated hose.
- Special designs on request.

Nominal diameter (mm)	4	6	8	10	13	16	20	25
External diameter (mm)	40	40	40	40	40	40	59	59
Power (W/m)	80	90	100	150	170	200	280	300
Burst pressure (bar)	1000	900	800	600	500	400	280	220
Max. service pressure								
Up to 4°C (bar)	250	225	200	150	125	100	70	55
Up to 100°C (bar)	225	202	180	135	112	90	63	49
Up to 200°C (bar)	200	180	160	120	100	80	56	44
Minimum bend with polyamide braid (mm)	160	160	160	250	250	250	450	500
Minimum bend with metal braid (mm)	200	200	200	290	290	290	500	550

Electronic regulator option

Two-point regulator with fuse protection and ON/OFF indicator

Temperature	from 0 to + 250°C	Switch	Relay
Sensor	PT 100 or thermocouple type K or type J	Power cable	Length 1.5 m
Voltage	230 V	Power supply	Two-pin plug + earth
Nominal current	10 A	Heated hose Power supply	Multi-pole plug
Indication	Display	Dimensions	125 x 125 x 75 mm

FLEXELEC S.A.S
10, rue des frères Lumière
Z.A. du Bois Rond
69720 ST BONNET DE MURE - FRANCE
Tel: + 33 (0)4.72.48.30.90
Fax: + 33 (0)4.78.40.82.81
E-mail: flexelec@omerin.com

FLEXELEC Dept
OMERIN ASIA Pte Ltd
51 Goldhill Plaza #08-12/01
SINGAPORE 308900
Tel: + 65.6255.4778
Fax: + 65.6255.4779
E-mail: sales@omerin.com.sg

FLEXELEC (UK) Ltd
Unit 11 Kings Park Industrial Estate
Primrose Hill - KINGS LANGLEY
Hertfordshire - WD4 8ST - UK
Tel: + 44 (0) 1923.274477
Fax: + 44 (0) 1923.270264
E-mail: sales@omerin.co.uk

FLEXELEC Dept
OMERIN GmbH
Buchwiese 16
D-65510 IDSTEIN - GERMANY
Tel: + 49 (0) 6126.94.31-0
Fax: + 49 (0) 6126.83.99
E-mail: omeringmbh@omerin.com