

# Biopharma Fluid Handling Portfolio

**Braided Silicone Tubing**

**Silicone Tubing**

**Thermoplastic Elastomer Tubing**



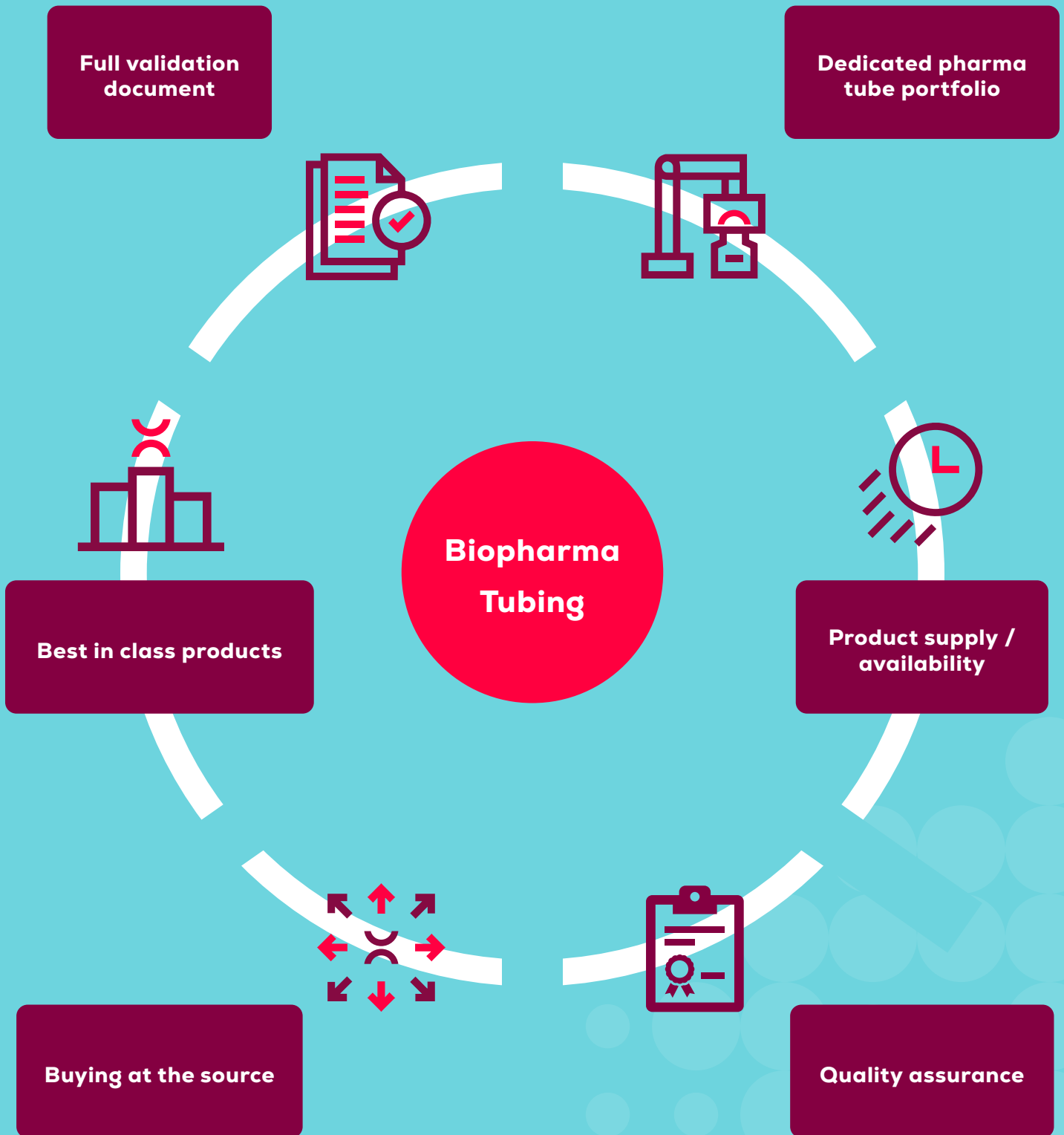
## About Raumedic

Raumedic develops and produces customized components in partnership with international medical technology and pharmaceutical customers. These products include tubing, catheters, and molded parts as well as complex groups of components and systems for a wide range of diagnostic and therapeutic uses. For the clinical areas of neuromonitoring and traumatology, Raumedic produces high-precision, pressure-measurement sensors. The company is 100 percent family-owned.

## Reliably safe

You can rely on Raumedic. For almost a century, we have been experts in processing polymers for the medical technology and pharmaceutical industry. Our products made history as early as the first German heart transplant in the 1950s. Since then, our solutions have supported diagnosis and therapy in a wide range of medical specialties. We are therefore well aware of our responsibility within international healthcare.

# Raumedic's Biopharma Tubing Offers Significant Advantages



# Silicone Tubing Portfolio

## Tubing dimensions, type and article codes overview

Material: SIK8649 | Color: 20900 natural

Product launch is planned for early 2023. Articles listed will be stocked. Additional coil lengths may be made to order.

Article code	Article description	Inner diameter	Wall thickness	Coil length	Printed/ Nonprinted
818832-323	Raumedic SIL 1/16" ID x 3/16" OD	1.45 - 1.75 mm	1.45 - 1.75 mm	15 m	nonprinted
818832-324	Raumedic SIL 1/16" ID x 3/16" OD	1.45 - 1.75 mm	1.45 - 1.75 mm	15 m	printed
818832-801	Raumedic SIL 1/16" ID x 3/16" OD	1.45 - 1.75 mm	1.45 - 1.75 mm	100 m	printed
818834-323	Raumedic SIL 1/8" ID x 1/4" OD	3.00 - 3.40 mm	1.40 - 1.80 mm	15 m	nonprinted
818834-324	Raumedic SIL 1/8" ID x 1/4" OD	3.00 - 3.40 mm	1.40 - 1.80 mm	15 m	printed
818834-801	Raumedic SIL 1/8" ID x 1/4" OD	3.00 - 3.40 mm	1.40 - 1.80 mm	100 m	printed
818835-323	Raumedic SIL 1/4" ID x 3/8" OD	6.10 - 6.70 mm	1.40 - 1.80 mm	15 m	nonprinted
818835-324	Raumedic SIL 1/4" ID x 3/8" OD	6.10 - 6.70 mm	1.40 - 1.80 mm	15 m	printed
818835-801	Raumedic SIL 1/4" ID x 3/8" OD	6.10 - 6.70 mm	1.40 - 1.80 mm	50 m	printed
818841-323	Raumedic SIL 1/4" ID x 7/16" OD	6.10 - 6.70 mm	2.10 - 2.70 mm	15 m	nonprinted
818841-324	Raumedic SIL 1/4" ID x 7/16" OD	6.10 - 6.70 mm	2.10 - 2.70 mm	15 m	printed
818841-801	Raumedic SIL 1/4" ID x 7/16" OD	6.10 - 6.70 mm	2.10 - 2.70 mm	50 m	printed
818035-323	Raumedic SIL 5/16" ID x 1/2" OD	7.62 - 7.92 mm	2.20 - 2.60 mm	15 m	nonprinted
818035-324	Raumedic SIL 5/16" ID x 1/2" OD	7.62 - 7.92 mm	2.20 - 2.60 mm	15 m	printed
818035-801	Raumedic SIL 5/16" ID x 1/2" OD	7.62 - 7.92 mm	2.20 - 2.60 mm	30 m	printed
818842-323	Raumedic SIL 3/8" ID x 5/8" OD	9.40 - 9.80 mm	2.90 - 3.30 mm	15 m	nonprinted
818842-324	Raumedic SIL 3/8" ID x 5/8" OD	9.40 - 9.80 mm	2.90 - 3.30 mm	15 m	printed
818842-801	Raumedic SIL 3/8" ID x 5/8" OD	9.40 - 9.80 mm	2.90 - 3.30 mm	25 m	printed

Article code	Article description	Inner diameter	Wall thickness	Coil length	Printed/ Nonprinted
818844-323	Raumedic SIL 1/2" ID x 3/4" OD	12.50 - 13.50 mm	2.70 - 3.30 mm	15 m	nonprinted
818844-324	Raumedic SIL 1/2" ID x 3/4" OD	12.50 - 13.50 mm	2.70 - 3.30 mm	15 m	printed
818844-801	Raumedic SIL 1/2" ID x 3/4" OD	12.50 - 13.50 mm	2.70 - 3.30 mm	25 m	printed
818839-323	Raumedic SIL 3/4" ID x 1" OD	18.50 - 19.70 mm	2.85 - 3.45 mm	15 m	nonprinted
818839-801	Raumedic SIL 3/4" ID x 1" OD	18.50 - 19.70 mm	2.85 - 3.45 mm	15 m	printed
818840-323	Raumedic SIL 3/4" ID x 1 1/8" OD	18.50 - 19.70 mm	4.45 - 5.05 mm	15 m	nonprinted
818840-801	Raumedic SIL 3/4" ID x 1 1/8" OD	18.50 - 19.70 mm	4.45 - 5.05 mm	15 m	printed
818846-323	Raumedic SIL 1" ID x 1 3/8" OD	24.60 - 26.20 mm	4.40 - 5.20 mm	10 m	nonprinted
818846-801	Raumedic SIL 1" ID x 1 3/8" OD	24.60 - 26.20 mm	4.40 - 5.20 mm	10 m	printed

## Braided Silicone Tubing Portfolio

### Tubing dimensions, type and article codes overview

Material: SIK8649 | Color: 20900 natural | printed

Product launch is planned for mid 2023. Articles listed will be stocked..

Article code	Article description	Inner diameter	Wall thickness	Coil length
807710-800	Raumedic SIL Braided 1/8" ID x 0.355" OD	2.70 - 3.20 mm	2.70 - 3.20 mm	25 m
807711-800	Raumedic SIL Braided 1/4" ID x 1/2" OD	5.85 - 6.45 mm	2.90 - 3.50 mm	15 m
807712-800	Raumedic SIL Braided 3/8" ID x 5/8" OD	9.05 - 9.75 mm	2.90 - 3.50 mm	15 m
807713-800	Raumedic SIL Braided 1/2" ID x 7/8" OD	12.20 - 13.00 mm	4.30 - 5.10 mm	15 m
807714-800	Raumedic SIL Braided 3/4" ID x 1 1/8" OD	18.30 - 19.50 mm	4.30 - 5.30 mm	10 m
807715-800	Raumedic SIL Braided 1" ID x 1 3/8" OD	24.70 - 26.10 mm	4.30 - 5.30 mm	7.5 m

# Thermoplastic Elastomer Tubing Portfolio

## Tubing dimensions, type and article codes overview

Material: SRT629

Product launch is planned for early 2023. Articles listed will be stocked. Additional coil lengths may be made to order.

Article code	Article description	Color	Inner diameter	Wall thickness	Coil length	Printed/ Nonprinted
062016-801	Raumedic TPE <b>1/8" ID x 1/4" OD</b> <b>Yellow Stripe</b>	90600 / RAL1018	<b>3.10 - 3.30 mm</b>	<b>1.50 - 1.70 mm</b>	<b>200 m</b>	printed
062017-801	Raumedic TPE <b>1/4" ID x 3/8" OD</b> <b>Orange Stripe</b>	90600 / RAL1028	<b>6.25 - 6.55 mm</b>	<b>1.50 - 1.70 mm</b>	<b>125 m</b>	printed
062018-800	Raumedic TPE <b>1/4" ID x 7/16" OD</b> <b>Red Stripe</b>	90600 / RAL3020	<b>6.25 - 6.55 mm</b>	<b>2.25 - 2.45 mm</b>	<b>100 m</b>	printed
062019-022	Raumedic TPE <b>3/8" ID x 5/8" OD</b> <b>White Stripe</b>	90600 / RAL9003	<b>9.35 - 9.65 mm</b>	<b>3.05 - 3.35 mm</b>	<b>15 m</b>	nonprinted
062019-024	Raumedic TPE <b>3/8" ID x 5/8" OD</b> <b>White Stripe</b>	90600 / RAL9003	<b>9.35 - 9.65 mm</b>	<b>3.05 - 3.35 mm</b>	<b>15 m</b>	printed
062019-801	Raumedic TPE <b>3/8" ID x 5/8" OD</b> <b>White Stripe</b>	90600 / RAL9003	<b>9.35 - 9.65 mm</b>	<b>3.05 - 3.35 mm</b>	<b>50 m</b>	printed
062020-022	Raumedic TPE <b>1/2" ID x 3/4" OD</b> <b>Grey Stripe</b>	90600 / RAL7046	<b>12.40 - 12.80 mm</b>	<b>3.05 - 3.35 mm</b>	<b>15 m</b>	nonprinted
062020-024	Raumedic TPE <b>1/2" ID x 3/4" OD</b> <b>Grey Stripe</b>	90600 / RAL7046	<b>12.40 - 12.80 mm</b>	<b>3.05 - 3.35 mm</b>	<b>15 m</b>	printed
062020-801	Raumedic TPE <b>1/2" ID x 3/4" OD</b> <b>Grey Stripe</b>	90600 / RAL7046	<b>12.40 - 12.80 mm</b>	<b>3.05 - 3.35 mm</b>	<b>30 m</b>	printed
062021-022	Raumedic TPE <b>3/4" ID x 1" OD Blue</b> <b>Stripe</b>	90600 / RAL5012	<b>18.75 - 19.25 mm</b>	<b>3.05 - 3.35 mm</b>	<b>15 m</b>	nonprinted
062021-024	Raumedic TPE <b>3/4" ID x 1" OD Blue</b> <b>Stripe</b>	90600 / RAL5012	<b>18.75 - 19.25 mm</b>	<b>3.05 - 3.35 mm</b>	<b>15 m</b>	printed
062021-801	Raumedic TPE <b>3/4" ID x 1" OD Blue</b> <b>Stripe</b>	90600 / RAL5012	<b>18.75 - 19.25 mm</b>	<b>3.05 - 3.35 mm</b>	<b>20 m</b>	printed

Article code	Article description	Color	Inner diameter	Wall thickness	Coil length	Printed/ Nonprinted
062022-022	Raumedic TPE <b>3/4" ID x 1 1/8" OD</b> <b>Black Stripe</b>	90600 / RAL9005	<b>18.75 - 19.25 mm</b>	<b>4.55 - 5.05 mm</b>	<b>15 m</b>	nonprinted
062022-024	Raumedic TPE <b>3/4" ID x 1 1/8" OD</b> <b>Black Stripe</b>	90600 / RAL9005	<b>18.75 - 19.25 mm</b>	<b>4.55 - 5.05 mm</b>	<b>15 m</b>	printed
062022-801	Raumedic TPE <b>3/4" ID x 1 1/8" OD</b> <b>Black Stripe</b>	90600 / RAL9005	<b>18.75 - 19.25 mm</b>	<b>4.55 - 5.05 mm</b>	<b>20 m</b>	printed



## Quality requirements

Manufacturing takes place in a controlled environment in a clean room certified in accordance with DIN EN ISO 14644-1, Class 7 (= 10,000) and Grade C in accordance with the EC GMP Directive.

Raumedic also employs a quality management system based on DIN EN ISO 13485 to help produce consistently high quality product.

In addition, Raumedic is certified in accordance with the primary packaging standard ISO 15378. ISO 15378 includes a number of supplemental requirements that apply in particular to primary packaging that comes in direct contact with pharmaceuticals.

All processes and materials used by Raumedic are validated and qualified article-specifically within the framework of development so that our customers, with regard to product registration in accordance with MDR (Medical Device Regulation EU 2017/745) using Raumedic articles, can access corresponding information and documents within the framework of the joint contractual agreements. A detailed agreement on the scope of qualification and validation with the customer is required. Additional costs may be incurred.

## Delivery and payment terms and conditions

Our prices are strictly net, non-binding and exclusive of sales tax.

Supplying plant: Helmbrechts, Germany  
Incoterms (2020): EXW

## Conditions of Sale

The agreement is based on the most recent versions of the Raumedic conditions of sale, which are available at [www.raumedic.com](http://www.raumedic.com). These conditions may be sent to you upon request. Deviations from these conditions shall apply only if they have been approved in writing by both parties. This quote is subject to the approval of the appropriate committees at Raumedic.

In view of the currently very dynamic price developments for our materials and raw materials, we receive daily or weekly price deviations from our suppliers. In the event that the net purchase prices to be paid by Raumedic for the contractual materials increase by more than 5% during the offer period or after the order has been placed, Raumedic reserves the right to make an appropriate adjustment to the prices offered or given for the affected contractual materials to the current delivery prices. Furthermore, we draw attention to the obligation of the buyer to carry out an incoming goods inspection to a reasonable extent immediately after the receipt of the goods. Please note our sales conditions.