

Standards & Norms

RoHS

The raw materials used by **emtechnik** meet the requirements of the RoHS directive 2011/65/EU.

REACH

Products manufactured by **emtechnik** do not contain any substances subject to authorisation in a concentration greater than 0.1 w/w (1907/2006).

USP Class VI

emtechnik uses materials that comply with the current standards regarding the quality of medications and other medical technology products (USP Class VI).

HP

emtechnik has ISO 14644-1 Class 5 & 7 clean rooms, which allow us to manufacture, clean and assemble our products in a contamination-free atmosphere.

The term „Suitable for use in food products“ summarises materials that meet the provisions of the FDA (21 CFR 177) and/or the European regulations (EC 1935/2004).

ADI free

In order to avoid any contamination with animal constituents, such as BSE pathogens, in our production process, **emtechnik** offers products made from plastics classified as ADI-free.

PVDF and PFA are also suitable for hot steam sterilisation – the indispensable requirement for absolute sterility.

To prevent electrostatic charging, the high-performance materials PP, PVDF and PTFE contain electrically conducting particles and have an extremely low electric surface resistance.

Our versatile connector types are the ideal solution if you are operating with aggressive media at very high temperatures.

To prevent unfavourable dead volume, both, the female and male thread, can end in a conical connection.

emtechnik products have longterm resistance to aggressive media in numerous applications and are also resistant in aggressive environments.

60 Years of Competence

emtechnik, a medium-sized family company, is one of the world's leading manufacturers of high-quality fittings and connectors made of special plastics.



Products are manufactured exclusively at **emtechnik** production sites. Our subsidiaries advise and support you in various markets worldwide.

Materials that Matter

For various applications **emtechnik** uses the plastics:
PP, Natural PP, PVDF, ECTFE, PTFE, PFA & PEEK.

They feature numerous advantages due to their hightech properties and are often used where other materials fail.

Our range of products can be found at

em-technik.com



EM-Technik GmbH

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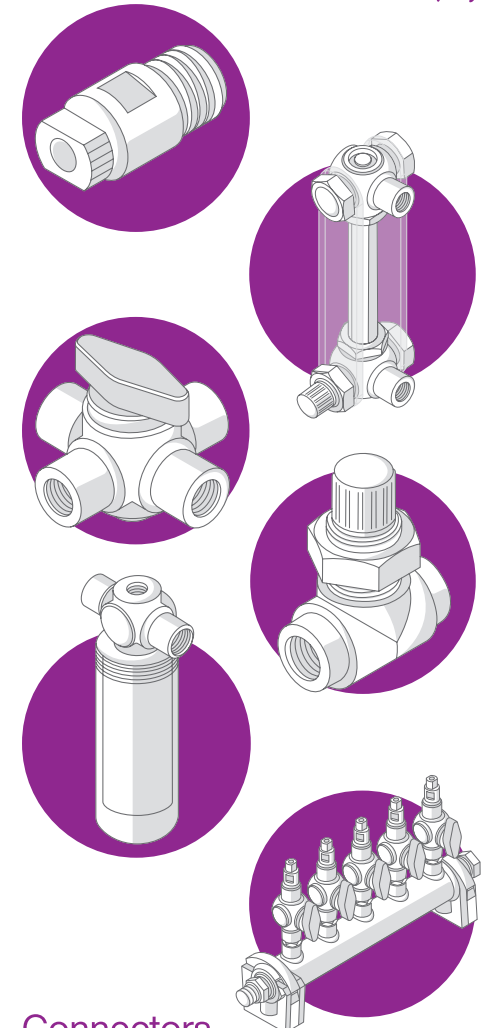
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emtechnik
simply better



Connectors

Fittings

Connecting Technology

em-technik.com

Tube & Pipe Connectors

Flexible Tube Connectors 1+

- Only two parts
- Defined mounting position for nut
- Pressure stage PN 16

Flexible Tube Connectors 1B+

- Only two parts
- For fabric-reinforced tubes
- Pressure stage PN 16

Flexible Tube Connectors 1W+

- Only two parts
- For corrugated tubes
- Toolless assembly
- Pressure stage PN 4

Flexible Tube Connectors 1A

- For flexible tubes
- Pressure stage PN 10
- Single ferrule

Flexible Tube Connectors 1C

- For high-temperature applications
- For hard tubes, e.g. PFA
- Double ferrule

Flexible Tube Connectors 1D

- Flare connection w/o dead volume
- HP quality
- Cleanroom assembly possible

Pipe Connectors 2N

- No reduction of cross-section
- Pressure stage PN 10
- Double ferrule

Tube & Pipe Connectors

Pipe Connectors 2M

- Specially for thin pipes w/ external diameter 1.6 - 6.35 mm
- Pressure stage PN 1

Other Connection Types

Tri-Clamp Connectors 3C

- Quick connection with locking clip
- Sizing DIN 32676, ISO 2852, BS 4825
- Matching flange sealings

Fittings 3F

- Male threads / female threads
- Combinations of different thread sizes
- G-/NPT-threads

Glass Thread Adapters 3G

- Standard GL thread connection
- Sealing w/ media-resistant O-ring
- Various connection principles

Welding Adapters 3W

- Wall thickness defined by DIN ISO 10931
- Suitable for butt-/socket welding
- Various connection principles

Quick Connectors 3K

- Shut off coupling & nipple
- Various connection principles

Other Functions

Shutting Off - Ball Valves 6L

- 2-way to 5-way standard valves
- Available w/ electrical or pneumatic part-turn actuators

Shutting Off - Check Valves 5R

- Various connection principles
- Available with or without spring
- Available as compact version

Regulating - Regulation Valves 5C

- For liquids and gases
- Compact design
- Panel mounting w/o disassembly

Filtering - Filters 7F

- Different filter types
- Particle or coalescence filter
- Shut off or drain version available

Measuring - Flow Meters 4Z

- For liquids and gases
- Variety of standard meas. ranges
- Connection options: side, rear, top or bottom
- Available w/ annular proximity switches

Distributing - Manifolds 8B

- Fully manufactured to customer requirements

High-Performance Injectors 7G

- New two-part design w/o O-ring
- Cost effective