Fully demineralized water

TÜV CERT DIN EN ISO 9001:2000

Produce it at a lower cost! TKA Ion exchangers!

Deionized water for autoclaves, washers, automatic analyzers, ultrapure water systems...

TKA

Fully demineralized water Produce it at a lower cost!

TKA Ion exchangers. The complete product line.

From the smallest to the largest type - all work according to the practice-proven principle of ion exchange by passage through a mixed-bed of specially selected resins. They are all:

- Economical
  due to the optimal flow-design for 100% utilization of capacity
- Reliable
  Because the water quality is always good, with no loss on storage
- Environmentally friendly
  as the resins have long service lives and are almost unlimitedly often regeneratable.

When necessary - after several months of usage - the resins can be regenerated, time and again. This is a job for us.

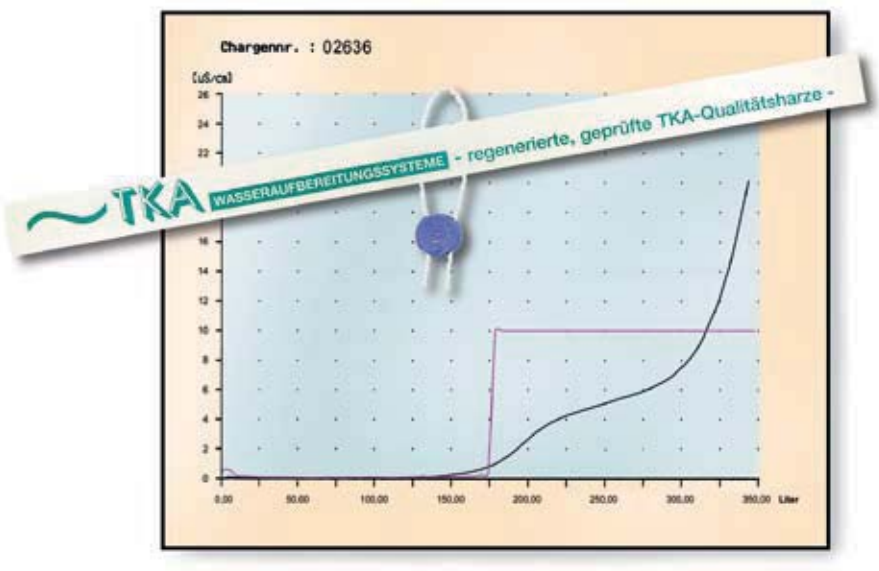
Documented quality monitoring of TKA mixed-bed resins.

Ion exchangers that are to reliably function require not only proven technology and high-grade chemicals, but also a state-of-the-art regeneration service with recorded evidence of the batch monitoring of the parameters capacity and quality.

- Receiving inspection
- Batch test record
- TOC-Monitoring
- DIN EN ISO 9001 : 2000

The proper system for each need.

Whichever amount you need - a few litres per week or large volumes daily - we have the most suitable system for economical conversion of your tap water to demineralized, completely deionized water of constant high quality. Complete with the optimal flow-design for 100% utilization of the capacity.



Ion exchange resin regeneration with TOC-control!

Our regeneration facility is one of the few in Europe that not only has DIN EN ISO 9001 certification and carries out batch testing, but additionally monitors the TOC-value of the regenerated resins.

Our Quality Assurance, with the TKA test certificate, intact seal and TKA sealing tape, guarantees you maximum capacity at a continuing high quality.

TKA DI 425

TKA DI 750

Compact design for small volumes. Plastic ion exchange systems.

Small and compact, these systems provide completely demineralized water of the same quality as is provided by the larger systems. Ideal for small laboratories but also for supplying autoclaves and washers in doctors' and dentists' practices.

Both of the above systems supply water of outstandingly good quality, so that neither streaks nor stains are left on instruments and no pitting occurs.

TKA DI 425
Pressureless plastic system consisting of a practical disposable cartridge, an analog conductivity meter, a hose set and a wall mount. Excellently suited for the preparation of small volumes of water to fulfill daily requirements of up to 10 litres.

TKA DI 750
Compact pressureless plastic cartridge complete with analog conductivity meter and hose set. Water flows from bottom to top for particularly economical optimal utilization! Ideal for daily requirements of up to 50 litres.

TKA Mixed-bed water deionizers plastic design	**DI 425 pressureless**	**DI 750 pressureless**
Flow rate:	50 L/h	100 L/h
Capacity at 10° TDS*:	425 L	750 L
Purified water quality µS/cm:	0.1 – 20	0.1 – 20
Water temp. max.:	30° C	30° C
Line connection V/Hz:	230 / 50-60	230 / 50-60
Material:	Polyethylene	Polyethylene
Dimensions, mm (diam. x height):	100 x 600**	175 x 480**
Connectors:	R 3/4"	R 3/4"
Weight approx.:	3 kg	7 kg
Article no.:	**01.0425**	**01.1705**
Replacement cartridge:	**01.0426**	**01.1750**
Disposable resin for 2 cartridge fillings:	——	**10.2005**
Wall mount:	**– incl. –**	**03.1404**

* total dissolved solids

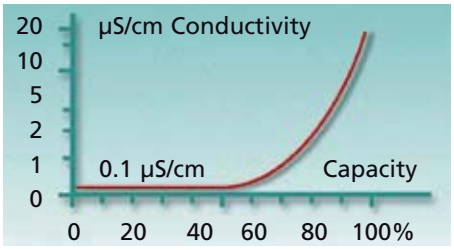
** incl. conductivity meter

For requirements from 300 to 3000 L/h Practice-proven mixed-bed systems for fully demineralized water.

TKA-DI Ion exchange cartridges for up to 1000 L/h

Optimal performance is ensured by the flow design and the quality-controlled ion exchanger resins. Provide fully demineralized water with only a very low conductivity over almost the whole of their total capacity. Reproducible in their same constant quality.

For higher performances or special demands on the purified water quality, please request information on our TKA reverse osmosis systems. We will glady supply details!



The connection between conductivity and capacity

TKA Mixed bed	**DI 1500**	**DI 2000**	**DI 2800**	**DI 4000**	**DI 6000**
water deionizer,	pressure resistant	pressure resistant	pressure resistant	pressure resistant	pressure resistant
V4A stainless steel design	up to 10 bar	up to 10 bar	up to 10 bar	up to 10 bar	up to 10 bar
Flow rate	300 L/h	300 L/h	950 L/h	1000 L/h	1000 L/h
Capacity at 10° TDS*	1500 L	2000 L	2800 L	4000 L	6000 L
Purified water quality, µS/cm	0.1 – 20	0.1 – 20	0.1 – 20	0.1 – 20	0.1 – 20
Water temperature max.	30° C	30° C	30° C	30° C	30° C
Material	Stainless steel V4A	Stainless steel V4A	Stainless steel V4A	Stainless steel V4A	Stainless steel V4A
Dimensions, mm (Ø x height)	240 x 410	240 x 490	240 x 600	240 x 700	240 x 1155
Connectors	R 3/4"	R 3/4"	R 3/4"	R 3/4"	R 3/4"
Weight approx.	14 kg	18 kg	24 kg	27 kg	45 kg
Article no.	**02.1500**	**02.2000**	**02.2800**	**02.4000**	**02.6000**
Wall mount	**03.1405**	**03.1405**	**03.1405**	**03.1405**	**03.1405**

* total dissolved solids

Cartridges can be equipped with quick-connectors on request

TKA DI Industrial ion exchange cartridges for up to 3000 L/h

TKA-DI Ion exchange cartridges

Completely made of V4A stainless steel. Pressure-resistant up to 10 bar. Particularly economical for purified water requirements of up to 150 L/day.

TKA-DI Industrial ion exchange cartridges

Extremely large capacity and high flow rate - designed for industrial applications. Pressure-resistant up to 10 bar, made of V4A stainless steel.

TKA Mixed-bed	**DI 7000**	**DI 11000**	**DI 15000**
water deionizers,	pressure resistant	pressure resistant	pressure resistant
V4A stainless steel design	up to 10 bar	up to 10 bar	up to 10 bar
Flow rate	2000 L/h	2500 L/h	3000 L/h
Capacity at 10° TDS*	7000 L	11000 L	15000 L
Purified water quality, µS/cm	0.1 – 20	0.1 – 20	0.1 – 20
Water temperature max.	30° C	30° C	30° C
Material	Stainless steel V4A	Stainless steel V4A	Stainless steel V4A
Dimensions, mm (Ø x height)	363 x 660	363 x 850	363 x 1100
Connectors	R ¾"	R ¾"	R ¾"
Weight approx.	55 kg	70 kg	90 kg
Article no.	02.7000	02.11000	02.15000

* total dissolved solids
Cartridges can be equipped with quick-connectors on request.

TKA Measuring instruments, high-precision.

Illuminated display

with 3 1/2 place display of conductivity in µS/cm or MΩ×cm as well as of temperature in °C

LEDs'

indicate that the display shows conductivity, megohm or temperature

Limiting values

Continuously variable setting of limiting values for temperature and conductivity

TKA Control 330

Digital conductivity meter for a continuous control of quality. Exact temperature measurement and an integrated reference resistor allow high-precision measurements with digital accuracy to be made even in the lowest conductivity range. Fully automatic matching prior to each measurement.

The standard version is also available with a potential-free contact or with a solenoid valve. Option of an RS-232 interface for documentation and connection to a printer (09.2207). Ideal for on-line measurements of high-purity and ultrapure water at the outlet of ion exchanger cartridges as well as for monitoring loop lines.

Technical data

Measurement range, conductivity	0.055 – 199.9 µS/cm (automatic switchover at 9.99)
Measurement range, temperature	0.1 – 99.9 °C
Temperature compensation	automatic
Limiting value setting, conductivity	0.055 - 30 µS/cm stepless
Limiting value setting, temperature	10 – 40 °C stepless
Signals when a limiting value is exceeded	green/red alternation of the LED + buzzer, both limiting values can be switched off
Interface (option only)	RS 232 (04.1806 + 04.1807)
Line connection	110/230 V / 50-60 Hz
Voltage, measuring instrument	12 Volt DC
Protection	IP 54
Dimensions in mm	W 75 x D 30 x H 130
Positioning	Wall mounting
Connector	R 3/4"

Acoustic and optical signals

when a limiting value is exceeded

Instrument	**Control 330**	**Control 330**	**Control 330**
Version		with potential-free contact	with solenoid valve
Article no.	04.1805*	04.1806*	04.1807*
Article no.	04.1805-SVE**	04.1806-SVE**	04.1807-SVE**

* (only for stainless steel cartridges with R 3/4")
** (only for stainless steel cartridges with quick-connects)

TKA Control 330
digital conductivity meter
Ready-to-connect, complete with connecting cable, plug power unit, 2 x 1.5 m hoses, R 3/4" female thread and measuring cell. Versions SV and SVE are supplied with hoses with quick-connects.

TKA Analog 50 R 3/4" conductivity meter

The simple and reliable conductivity meter for the quality control of high purity water.

With analog display of measured values in µS/cm, measuring range 0 – 50 µS/cm.

TKA Analog conductivity meter

complete with 2 x 1.5 m hoses, R 3/4" female thread and measuring cell

Instrument	Analog 50
Version	Standard
Article no.	04.1601*
Article no.	04.1609**

* only for Ion ex. 02.1500 – 02.15000
** only for DI 750, Nr. 01.1705

Original accessories ensure long-lasting purified water quality.

TKA Shutoff valve
Made of plastic. Dimensions: 40 x 70 x 150 mm. No. 03.1403

TKA Purified water outlet tap
Made of plastic, straight. Connector R 3/4", coupling nut. Dimensions: 50 x 50 x 120 mm. No. 03.1400

TKA Distribution manifold
Made of plastic. 1 inlet, 3 outlets to which shutoff and distributing taps can be connected. R 3/4" connectors. No. 03.1402

TKA Distribution manifold
Made of plastic. 1 inlet, 2 outlets to which shutoff and distributing taps can be connected. R 3/4" connectors. No. 03.1420

TKA Dispenser and sterile filter
For connection to pressure-resistant TKA ion exchange cartridges for producing Aqua Purificata.

- Dispenser without wall mount: No. 03.1408
- Dispenser with wall mount: No. 03.1409
- Sterile filter for dispenser, 0.2 µm pore size, performance 10 – 90 L/h, No. 09.1003

TKA Purified water outlet tap
Made of plastic, angled. Connector R 3/4", coupling nut. Dimensions: 50 x 90 x 140 mm. No. 03.1401

Your dealer: