



CATALOGUE PRODUCTS

DEWA

***EQUIPMENT FOR DEMINERALIZED WATER PRODUCTION BY ION EXCHANGE
TECHNOLOGY***

MSA - manual semi-automatic working

A - automatic working



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DEWA

THROUGH-FLOW EQUIPMENT FOR DEMINERALIZED WATER PRODUCTION BY ION EXCHANGE TECHNOLOGY KATEX - ANEX

PRODUCT - DEMIWATER WITH CONDUCTIVITY TO 2mikroS/cm

REGENERATION WITH HCl (33%) AND NaOH (50%)

WASTE WATER MUST BE NEUTRALIZED IN THE NEUTRALIZING PLANT

CONDUCTIVITY OF PRODUCED DEMIWATER IS MONITORED PERMANENTLY

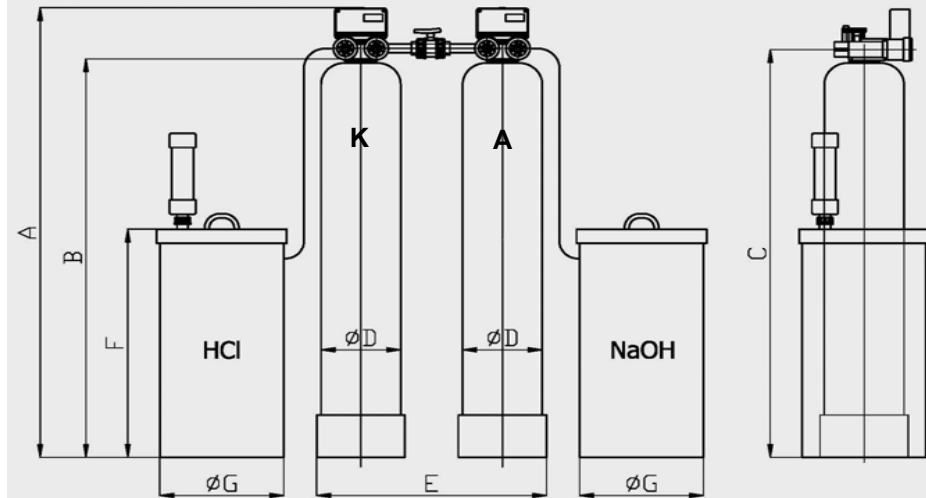
Usage, application

- boiler houses and exchanging stations
- car washing facilities
- sheet glass manufacture
- glass ware manufacture
- laboratories
- photographic industry
- manufacture and preparation of water dilutable paints
- galvanizing plants
- paint shops, specially when using paints diluted with water
- steam generators for different use



DEWA MSA XXX

Simple, manual,



Basic characteristics of unit

- Product conductivity measurement is not bound to regeneration start. Demineralized water output is not blocked if conductivity of the demineralized water is exceeded. Measurement range 3 to 1000 $\mu\text{S/cm}$.
- Each regeneration (katex – anex) can be started manually anytime, pressing the push button, or utilize the regeneration start in time intervals of 1 to 14 days. Regeneration mode (4 + 4 cycles) is programmable.
- Ion exchanger volume in columns (katex, anex) need not be the same.
- Output of demineralized water is closed during the unit regeneration.
- Regenerants: HCl, NaOH

Technical parameters

- | | |
|-----------------------------------|----------------|
| ■ inlet water minimum pressure | 0,2 Mpa |
| ■ inlet water maximum pressure | 0,6 Mpa |
| ■ inlet water maximum temperature | 40°C |
| ■ el. connection | 230V/50Hz/10 W |

DEWA MSA XXX	Qmax*	KDM 300 ***	Column	Ionex	Valve head	A	B	C	D	E	Tanks (HCl, NaOH)	F	G
	[l/h]	[m3/cyklus]	[2pc.]	[l]	[type]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]	[mm]
DEWA MSA 10	300	2	0735	2x10	S132T/XPO	1095	905	945	184	570	2 x kanistr 50 l *	610	350
DEWA MSA 25	750	5	1035	2x25	S132T/XPO	1095	905	945	257	720	2 x kanistr 50 l *	610	350
DEWA MSA 50	1500	10	1248	2x50	S132T/XPO	1430	1240	1280	304	810	2 x kanistr 50 l *	610	350
DEWA MSA 75	2250	15	1354	2x75	S132T/XPO	1565	1375	1415	334	870	2 x 100l **	800	400
DEWA MSA 100	3000	20	1465	2x100	S132T/XPO	1850	1660	1700	369	940	2 x 200 l **	1000	500
DEWA MSA 150	4500	30	1865	2x150	S230T/XPO	1980	1790	1830	469	1150	2 x 300 l **	1100	600
DEWA MSA 200	6000	40	1865	2x200	S230T/XPO	1980	1790	1830	469	1150	2 x 400 l **	1100	700

... and further larger units, if required

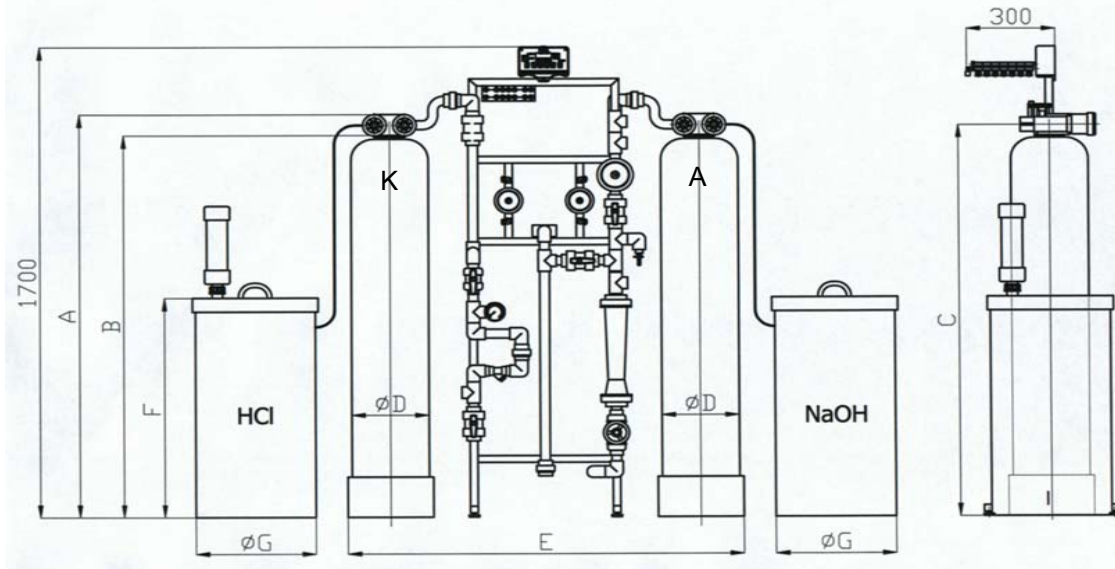
* Two 50 l reservoirs (dual neck cans with the vapour trap (on HCl container))

** fabricated containers, for HCl, with water lock and vapour trap

*** KDM = demineralization unit capacity for one cycle at inlet water conductivity of 300 μS

DEWA A XXX

High level standard, fully automatic ion exchanger demistation.



Basic characteristics of unit

- Simple, fully automatic operation and unit regeneration.
- Product conductivity measurement is bound to demineralized water output. Output will be automatically shut off, if demineralized water conductivity exceeds preset limit. Measurement range 3 to 40 $\mu\text{S/cm}$.
- Regeneration of demineralization starts automatically, after exceeding the preset limit of conductivity and is fully automatic. Regeneration of the station may also be started by pressing the push button. Regeneration mode (4 + 4 cycles) is programmable.
- Ion exchanger volume in columns (katex, anex) need not be the same.
- Output of demineralized water is closed during the unit regeneration.
- Regenerants: HCl, NaOH

Technical parameters

■ inlet water minimum pressure	0,2 Mpa
■ inlet water maximum pressure	0,6 Mpa
■ inlet water maximum temperature	40°C
■ el. connection	230V/50Hz/10 W

DEWA A XXX	Qmax*	KDM 300***	Column	Ionex	Valve heads	A	B	C	D	E	Tanks (HCl, NaOH)**	F	G
	[l/h]	[m3/cyklus]	[2ks]	[l]	[typ]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]	[mm]
DEWA A 50	1500	10	1248	2x50	S132D	1325	1240	1280	304	1360	2 x 100 l **	800	400
DEWA A 75	2250	15	1354	2x75	S132D	1455	1375	1415	334	1420	2 x 100 l **	800	400
DEWA A 100	3000	20	1465	2x100	S132D	1745	1660	1700	369	1490	2 x 200 l **	1000	500
DEWA A 125	3750	25	1665	2x125	S230D	1750	1665	1705	406	1560	2 x 300 l **	1000	500
DEWA A 150	4500	30	1865	2x150	S230D	1875	1790	1830	469	1690	2 x 300 l **	1100	600
DEWA A 175	5250	35	1865	2x175	S230D	1875	1790	1830	469	1690	2 x 400 l **	700	1100
DEWA A 200	6000	40	1865	2x200	S230D	1875	1790	1830	469	1690	2 x 400 l **	700	1100

... and further larger units, if required

** fabricated containers, for HCl, with water lock and vapour trap

*** KDM = demineralization unit capacity for one cycle at inlet water conductivity of 300 μS



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