

Avtomatične mehčalne naprave za srednje in velike pretoke in ciklične kapacitete, v mejah pretokov od 5,5 m³/h modela AM900/RD do 60 m³/h modela AM7200/D. Vsaka naslednja izvedba serije AM/D ima večji maksimalen pretok in ciklično kapaciteto. V seriji AM/D se nahajajo tudi naprave z oznako AM/RD, katerih specifična karakteristika je, da imajo povečano ciklično kapaciteto ob zmanjšani pretočni sposobnosti. Slednji so uporabni pri tretiranju vode industrijskih objektov kjer se zahtevajo visoke ciklične kapacitete (posledično zaradi velike trdote vode, ali njene velike porabe), vendar z nizkimi pretoki. Na posebno zahtevo se projektirajo tudi večje naprave, glede na specifične pogoje. Vsi uporabljeni materiali so atoksični in primerni za uporabo v prehrabeni industriji. *Ohišje-jeklenka* je narejena iz karbonskega jekla, v celoti prevlečenega z epoksidno smolo, primerno za prehrabeno industrijo. Pred nanosom epoksidne smole, je jeklenka peskana po stopnji Sa3 švedske lestvice ; zunanja prevleka je iz poliuretana, odpornega na kisline, ki je prav tako nanešen po predhodnem peskanju. Visokokapacitivne ionske smole ustrezajo uporabi v prehrabeni industriji in se nahajajo na kvarcitni podlogi ; *integralno avtomatiko* sestavlja 6 membranskih ventilov z ohišjem iz gize s hidropnevmatskim upravljanjem, in elektronska upravljalna plošča ; *rezervoar za slanico* je iz atoksičnega polietilena, odpornega na udarce, ter opremljenega s separacijsko ploščo, zaščitnim pokrovom in plovnim ventilom.

Polavtomatsko delovanje (za vse modele)

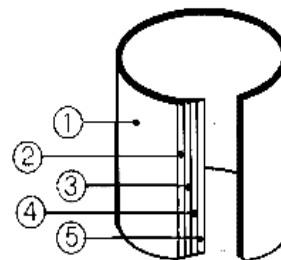
V kateremkoli trenutku, neodvisno od prenestavljenega avtomatizma je možno preprosto sprožiti regeneracijo s pritiskom na gumb. Postopek regeneracije se sam zaključi in se vzpostavi prvotno stanje delovanja mehčalne naprave.

Razpoložljivi modeli

AM/DT: Časovno upravljanje regeneracije, s programirano frekvenco od min ene regeneracije vsakih 8 ur do max neomejeno in uro regeneracije med 24. urami.

AM/DV: Mešano upravljanje regeneracije čas-volumen, s programiranjem tako volumna proizvedene vode, kakor ure in dneva regeneracije. Lahko izberemo tudi samo uro, ko gre naprava v regeneracijo, kakor volumen proizvedene vode. Naprave so opremljene s pretočnim števcem z dajalnikom impulzov. By-pass omogoča prehod netretirane vode tudi v času regeneracije.

AM/D METER: Volumetrično upravljanje regeneracije, z avtomatičnim zaprtjem izhodne linije med regeneracijo, s čimer se prepreči prehod netretirane vode. Naprave so opremljene s pretočnim števcem z dajalnikom impulzov. Lahko pa izberemo tudi samo časovno opcijo ali pa mešano časovno-volumetrično.

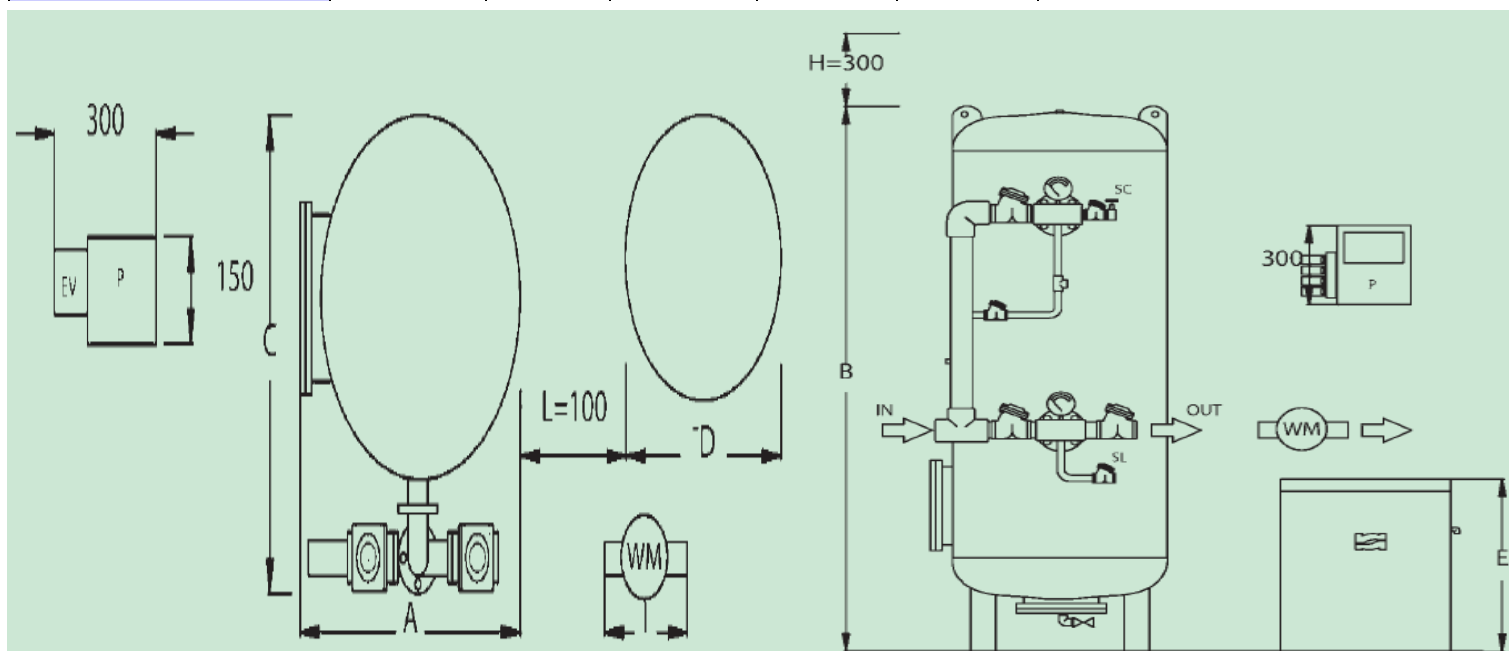


Protikorozijska zaščita posode – Anticorrosion coated vessel

- | | |
|--------|--|
| 1) | Poliuretanski protikislinski zaščitni plašč – Acid-proof polyurethane painting |
| 2), 4) | Peskanje Sa3 švedske lestvice – Sand blasting Sa3 swedish scale |
| 3) | Karbonsko jeklo – Carbon steel |
| 5) | Epoksidna smola, primerna za prehrabeno industrijo |

DIMENZIJE (mm) IN TEŽA (kg) - DIMENSIONS (mm) AND WEIGHT (kg)

	A mm	B mm	C mm	D mm	E mm	Teža ob odpremi / shipping weight kg
AM 900/RD	450	2100	750	530	1050	350
AM 900/D	450	2100	850	530	1050	350
AM 1200/RD	500	2100	850	710	1110	450
AM 1200/D	500	2100	950	710	1100	450
AM 1800/RD	600	2100	950	710	1110	600
AM 1800/D	600	2100	1100	710	1110	600
AM2100/RD	600	2400	950	860	1170	650
AM 2100/D	600	2400	1100	860	1170	650
AM 2700/D	700	2500	1050	860	1170	900
AM 3300/D	700	2650	1100	1090	1140	1050
AM 3600/RD	800	2500	1050	1090	1140	1150
AM 3600/D	800	2500	1200	1090	1140	1150
AM 4200/RD	800	2700	1200	1090	1140	1250
AM 4200/D	800	2700	1350	1090	1140	1250
AM4500/RD	900	2550	1300	1090	1140	1350
AM 4500/D	900	2550	1450	1090	1140	1350
AM 5400/RD	1000	2650	1500	1210	1100	1600
AM 5400/D	1000	2650	1600	1210	1100	1600
AM 6600/RD	1100	2850	1600	1210	1100	1900
AM 6600/D	1100	2850	1700	1210	1100	1900
AM 7200/RD	1100	2850	1600	1210	1100	2000
AM 7200/D	1100	2850	1700	1210	1100	2000



TEHNIČNE KARAKTERISTIKE / TECHNICAL DATA

	max pretok / max flow rate	cikel / cycle	smole / resins	sol na cikel / salt for cycle	priključki / connections	Kapaciteta rezervoarja / brine tank capacity
	mm	mm	mm	kg		l
AM 900/RD	5,5	900	150	22,5	1 ¼"	200
AM 900/D	8,0	900	150	22,5	1 ½"	200
AM 1200/RD	5,5	1200	200	30,0	1 ¼"	300
AM 1200/D	10,5	1200	200	30,0	2"	300
AM 1800/RD	5,5	1800	300	45,0	1 ¼"	300
AM 1800/D	14,5	1800	300	45,0	2"	300
AM2100/RD	5,5	2100	350	52,5	2"	520
AM 2100/D	14,5	2100	350	52,5	2"	520
AM 2700/D	18,0	2700	450	67,5	2"	520
AM 3300/D	22,0	3300	550	82,5	3"	850
AM 3600/RD	22,0	3600	600	90,0	2"	850
AM 3600/D	28,0	3600	600	90,0	3"	850
AM 4200/RD	22,0	4200	700	105,0	2"	850
AM 4200/D	28,0	4200	700	105,0	3"	850
AM4500/RD	22,0	4500	750	113,0	2"	850
AM 4500/D	32,0	4500	750	113,0	3"	850
AM 5400/RD	22,0	5400	900	135,0	2"	1000
AM 5400/D	36,0	5400	900	135,0	3"	1000
AM 6600/RD	22,0	6600	1100	165,0	2"	1000
AM 6600/D	48,0	6600	1100	165,0	DN 80	1000
AM 7200/RD	22,0	7200	1200	180,0	2"	2 x 1000
AM 7200/D	60,0	7200	1200	180,0	DN 100	2 x 1000

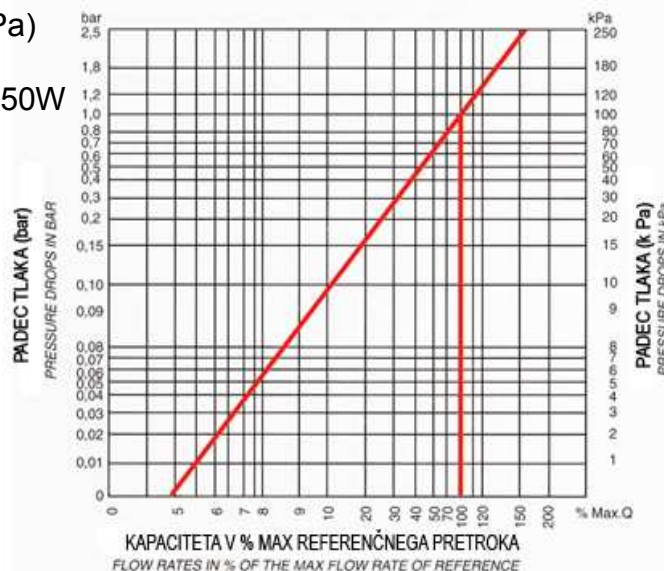
Delovni tlak/Working pressure: 2,0 ÷ 8,0 bar (200 ÷ 800 kPa)

Delovna temperatura/ Working temperature: 5 ÷ 40°C

Električno napajanje/ Power Supply: 110-230 V 50-60 Hz 50W

Graf na desni prikazuje padce tlaka v bar in kPa glede na različne pretoke, ki so prikazani kot % max pretoka vode.

The diagram shows the pressure drop, in bar and kPa, at the different flow rates, which are indicated as % of the max flow rate of reference.



Automatic softeners for middle-high flow rates and cycles: the max flow rate of the smallest AM/D model (AM 900/DR) is 5.5 m³/h up to 60.0 m³/h of the model AM 7200/D. The row of the subsequent AM/D models, as usual, presents a progressive increase of the flow rate and capacity of cycle of the preceding model. Besides, it is available a special serie of equipments, identified as AM/DR, with high capacity of cycle but with reduced flow rates, that can be used in industrial plants feed water where high capacity of cycle (due to the high hardness or consumptions), but low flow rates are required. **Naturally, equipments with higher or, however, different technical features are normally designed and manufactured according to the special requests.** All materials are non-toxic and suitable for drinkable water. Coated carbon steel vessel (internal lining with epoxy coating approved for drinking water, applied after sand blasting at Sa3 grade of swedish scale and external lining with polyuretanin painting applied after sand blasting as above). The vessel is complete with man-holes and distribution plate with nozzles in polypropylene (models AM 2700÷AM7200) or with radial distribution system in polypropylene. The layer of food grade ion exchange resins with high exchange capacity is supported by a layer of selected quartz sand; the hydraulic control group includes 6 multiport diaphragm valves with body in cast iron, hydropneumatically controlled; the brine tank is made in shock-resistant polyethilene complete with separation plate, protection well, float valve. The control panel is complete with latest designed electronic computerized programmer, to handle and control all working features of the unit. A buffer battery saves up all data in case of power-failure. The software of the programmer allows a versatile utilization of the panel and to modify the configuration of the unit according to modified (if any) special needs of the user. For example, whether 2 units are installed, the simple direct connection of the panels allows the utilization of the units as a duplex system (alternately working) or 2 units on parallel; no special interface card or else is required. A time controlled system (AM/DT) can work either according to volumetric modes, simply inserting a pulse water meter. For all models the regeneration can be inhibited by external signal. A free voltage contact for remote report of the status of service/regeneration is also available.

The display of the programmer shows:

- current day and time
- status (service, stand-by, regeneration) and the entered working mode (time, volume, time-volume, delayed volume)
- programmed time of regeneration, the time elapsed from previous regeneration, the time before the next regeneration
- the volume of water treated from the starting of service and the pre-set volume of treated water to start the regeneration (models AM/DV and AM/D Meter only)
- during regeneration, the running phase, the time elapsed from the starting of phase and the pre-set time of phase.

Semi-automatic working

Auxiliary push-button regeneration start, out of any automatic schedule. The regeneration will be automatically completed and the system will turn back on service.

Anticorrosion coated vessel

- 1) Acid-proof polyuretanic painting
- 2) and 4) Sand blasting Sa₃swedish scale
- 3) Carbon steel
- 5) Epoxy resin coating suitable for drinkable water

AVAILABLE MODELS

AM/D: time control, allowing to set the time of day when the regeneration starts and how often (from minimum 3 regenerations/day up to infinite)

AM/V: time-volume control; both volume of water and time of day when regeneration is required, can be set. Besides an additional regeneration can be scheduled by time, regardless of the actual volume of supplied water. The unit also allows to select the time only feature or volume only, with immediate or delayed starting of regeneration. These equipments are equipped with pulse sender water meter. An internal by-pass allows to feed (untreated) water during regeneration cycle

AM/METER: volume control with immediate or delayed starting of regeneration. The outlet line is automatically shut during regeneration, in order to avoid that (untreated) water is supplied. Besides an additional regeneration can be scheduled by time, regardless of the actual volume of supplied water. The unit also allows to select the time only or time-volume modes. These equipments are equipped with pulse sender water meter. An internal by-pass allows to feed (untreated) water during regeneration cycle.

