

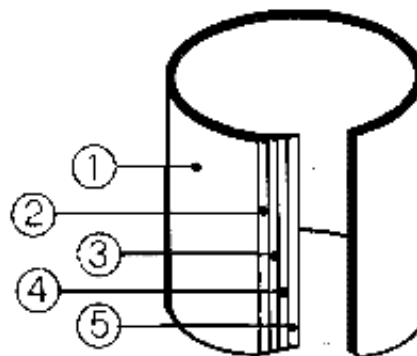
Avtomatične mehčalne naprave za srednje in velike pretoke in ciklične kapacitete, v mejah pretokov od 5,5 m³/h modela AM900/R do 60 m³/h modela AM7200. Vsaka naslednja izvedba serije AM ima večji maksimalen pretok in ciklično kapaciteto. V seriji AM se nahajajo tudi naprave z oznako AM/R, katerih specifična 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 (glej tudi serijo AM/D). 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 ventil iz ABS montiran ob strani naprave in elektronska upravljalna plošča za avtomatično upravljanje regeneracije ; membranski ventili (za modele na katerih so predvideni) so hidropnevmatsko upravljani in opremljeni z ohišjem iz gize ; *rezervoar za slanico* je iz atoksičnega polietilena, odpornega na udarce, ter opremljenega s separacijsko ploščo, zaščitnim pokrovom in plovnim ventilom. Elektronski programator je opremljen z baterijo, ki ohranja nastavljene vrednosti in podatke tudi ob pomanjkanju električne napetosti

Polavtomatsko delovanje (za vse modele)

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

Protikorozijska zaščita posode – Anticorrosion coated vessel

- | | |
|--------|--|
| 1) | Poliuretanski protikislinski zaščitni plašč – Acid-proof polyuretanic 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) - DIMENSIONS (mm)

	A mm	B mm	C mm	C1 mm	D mm	E mm	Teža ob dobavi/ shipping weight Kg
AM 900/R Duplex	700	2100	650	-	700	1100	700
AM 900 V Duplex	700	2100	-	800	700	1100	700
AM 1200/R Duplex	750	2100	750	-	800	1100	850
AM 1200 V Duplex	750	2100	-	950	800	1100	850
AM 1800/R Duplex	800	2100	950	-	800	1100	1150
AM 1800 V Duplex	800	2100	-	1100	800	1100	1150
AM2100/R Duplex	800	2400	950	-	800	1100	1300
AM 2100 V Duplex	800	2400	-	1100	800	1100	1300
AM 2700 V Duplex	900	2400	1050	-	1000	1100	1700
AM 3300 V Duplex	900	2600	1050	-	1000	1100	2000
AM 3600/R Duplex	950	2400	1100	-	1100	1100	2200
AM 3600 V Duplex	950	2400	-	1350	1100	1100	2200
AM 4200/R Duplex	950	2600	1100	-	1100	1100	2400
AM 4200 V Duplex	950	2600	-	1350	1100	1100	2400
AM4500/R Duplex	1050	2400	1200	-	1100	1100	2600
AM 4500 V Duplex	1050	2400	-	1450	1100	1100	2600
AM 5400/R Duplex	1150	2600	1300	-	1100	1100	3000
AM 5400 V Duplex	1150	2600	-	1550	1100	1100	3000
AM 6600/R Duplex	1250	2600	1400	-	1100	1100	3700
AM 6600 V Duplex	1250	2600	-	1700	1100	1100	3800
AM 7200/R Duplex	1250	2600	1400	-	1100	1100	3800
AM 7200 V Duplex	1250	2600	-	1750	1100	1100	4000

TEHNIČNE KARAKTERISTIKE / TECHNICAL DATA

	max pretok / max flow rate mm	cikel / cycle mm	smole / resins mm	sol na cikel / salt for cycle kg	priključki / connections	Kapaciteta rezervoarja / brine tank capacity l
AM 900/R Duplex	5,5	900 + 900	150 + 150	22,5	1 ¼"	300
AM 900 V Duplex	8,0	900 + 900	150 + 150	22,5	1 ½"	300
AM 1200/R Duplex	5,5	1200 + 1200	200 + 200	30	1 ¼"	520
AM 1200 V Duplex	10,5	1200 + 1200	200 + 200	30	2"	520
AM 1800/R Duplex	5,5	1800 + 1800	300 + 300	45	1 ¼"	520
AM 1800 V Duplex	14,5	1800 + 1800	300 + 300	45	2"	520
AM2100/R Duplex	5,5	2100 + 2100	350 + 350	52,5	1 ¼"	520
AM 2100 V Duplex	14,5	2100 + 2100	350 + 350	52,5	2"	520
AM 2700 V Duplex	18	2700 + 2700	450 + 450	67,5	2"	850
AM 3300 V Duplex	22	3300 + 3300	550 + 550	82,5	2"	850
AM 3600/R Duplex	22	3600 + 3600	600 + 600	90	2"	1000
AM 3600 V Duplex	28	3600 + 3600	600 + 600	90	3"	1000

AM 4200/R Duplex	22	4200 + 4200	700 + 700	105	2"	1000
AM 4200 V Duplex	28	4200 + 4200	700 + 700	105	3"	1000
AM4500/R Duplex	22	4500 + 4500	750 + 750	113	2"	1000
AM 4500 V Duplex	32	4500 + 4500	750 + 750	113	3"	1000
AM 5400/R Duplex	22	5400 + 5400	900 + 900	135	2"	1000
AM 5400 V Duplex	36	5400 + 5400	900 + 900	135	3"	1000
AM 6600/R Duplex	22	6600 + 6600	1100 + 1100	165	2"	1000
AM 6600 V Duplex	48	6600 + 6600	1100 + 1100	165	DN80	1000
AM 7200/R Duplex	22	7200 + 7200	1200 + 1200	180	2"	1000
AM 7200 V Duplex	60	7200 + 7200	1200 + 1200	180	DN100	1000

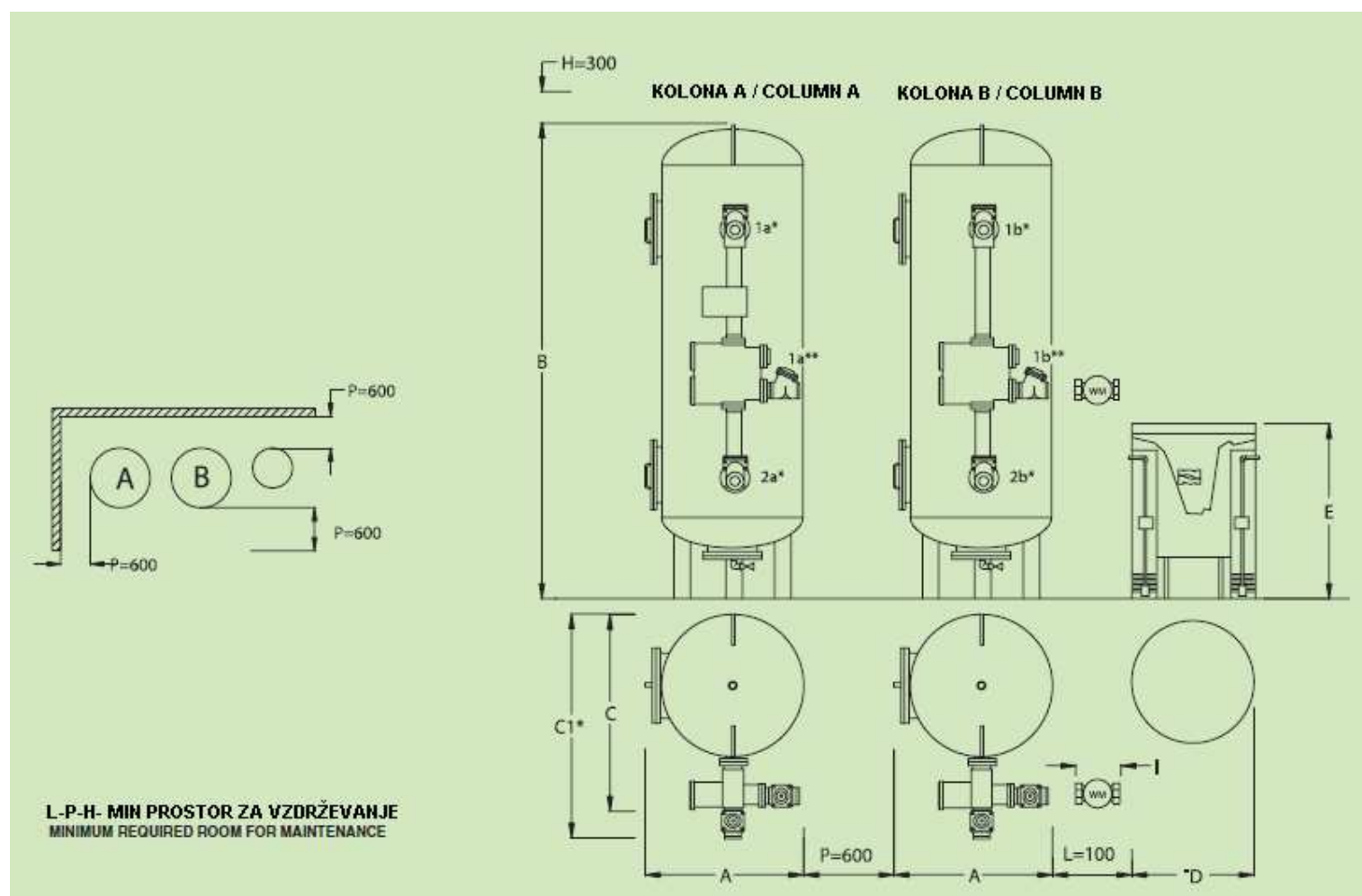
Delovni tlak/Working pressure: 2,0 ÷ 6,0 bar (200 ÷ 600 kPa)

Delovna temperatura/ Working temperature: 5 ÷ 40°C (41 ÷ 104°F)

Električno napajanje/ Power Supply: 220 V 50/60 Hz 10w

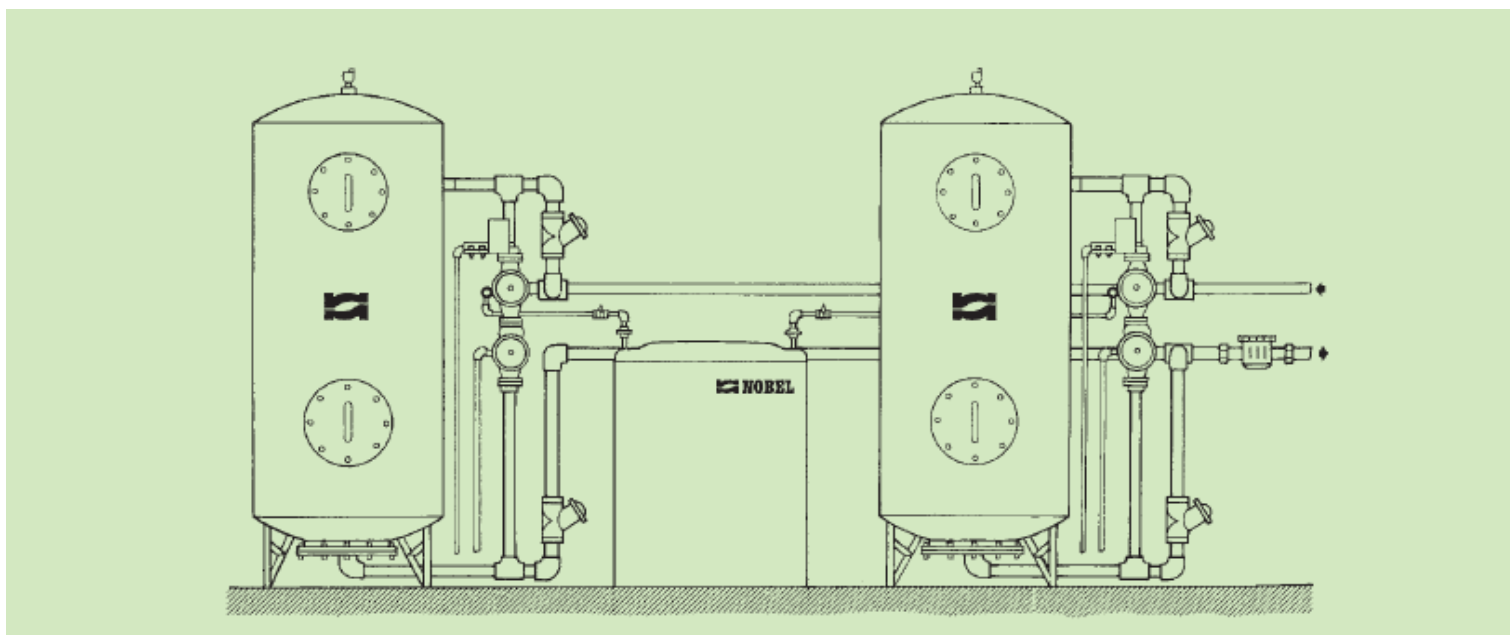
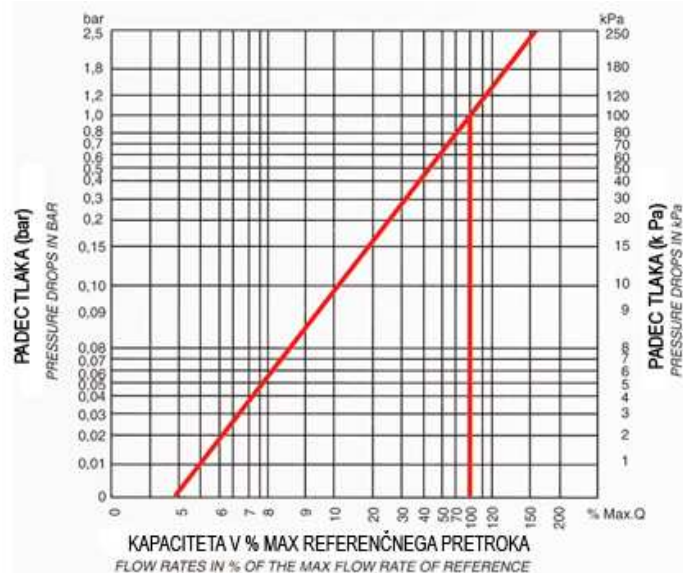
Delovna napetost - s transformatorjem: 12 V 50/60 Hz

Working tension with built-in transformer



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 dual system via volume control : they allow the continuous feeding of treated later no-stop. The columns are regenerated alternately, hence one column is always on service, while the other one is on regeneration or stand-by. The equipments of this range have flow rates from 5.5 up to 60 m³/h and cycle from 900 up to 7200 m³x °Fr. Many models are also available as AM/R , with same cycle but lower flow-rate, suitable to be used where low and continuous flow is required. For different construction characteristics see also AM/D Duplex models. The working of the system is controlled by an electronic computerized programmer, handling the starting of regeneration of the exhausted column and the exchange of working between the columns, according to the pulses received by a water meter. 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 polyuretanic painting applied after sand blasting as above), food grade ion exchange resins for softening with high exchange capacity, with a supporting layer of selected quartz sand, automatic control valves side-mounted made in ABS, electronic computerized programmer for automatic control of the working. The vessels are complete with internal distribution systems with nozzles in polypropilene, man-holes, control pressure gauges. The multiport diaphragm valves, to shut-off the outlet line of each column during regeneration and stand-by, are hydropneumatically controlled and made in cast iron, the brine tank is made in shock-resistant polyethilene complete with separation plate, protection wells, float valves. The brine injection is made by mean of injectors, built-in the control valves The electronic programmer, with visualization of the column on service and

the volume of water supplied, is equipped with buffer battery to save up the stored data even in case of power failure. Free voltage contacts for remote report of running regeneration and column on service (A/B) are also available inside the programmer. The electric part works at low tension (12V~) supplied by a transformer built-in the electrical plug.

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 polyurethane painting
- 2) and 4) Sand blasting Sa₃ Swedish scale
- 3) Carbon steel
- 5) Epoxy resin coating suitable for drinkable water

