

Multi-Functional Reagentless



Water Filter System

Systems' parameters settings

AM Ion 10		PH>6,7		Vreg = Z x V am10 / 2.0 x K met					
vessel size	Volume AM	Service flow	Min BW flow	Min BW pressure	Min valve flow	Ionizer	Back Wash	Regeneration	Direct flush
948	30 Lit	1.2 m.cub/h	1.3 m.cub/h	2.6 Bar	2.0 m.cub/h	1000/1	1-5 Min	30 Min	1-2 Min
1044	33 Lit	1.5 m.cub/h	1.6 m.cub/h	2.6 Bar	2.0 m.cub/h	1000/1	1-5 Min	36 Min	1-2 Min
1144	40 Lit	1.8 m.cub/h	2.0 m.cub/h	2.6 Bar	2.0 m.cub/h	1000/1	1-5 Min	43 Min	1-2 Min
1248	53 Lit	2.1 m.cub/h	2.3 m.cub/h	2.6 Bar	3.0 m.cub/h	1000/1	1-5 Min	50 Min	1-2 Min
1348	62 Lit	2.5 m.cub/h	2.7 m.cub/h	2.6 Bar	3.0 m.cub/h	2000/1	1-5 Min	30 Min	1-2 Min
1465	99 Lit	2.9 m.cub/h	3.2 m.cub/h	2.6 Bar	4.0 m.cub/h	2000/1	1-5 Min	35 Min	1-2 Min

AM Ion 20		PH>6,5		Vreg = Z x V am20 / 1.6 x K met					
vessel size	Volume AM	Service flow	Min BW flow	Min BW pressure	Min valve flow	Ionizer	Back Wash	Regeneration	Direct flush
948	30 Lit	0.9 m.cub/h	1.5 m.cub/h	2.8 Bar	2.0 m.cub/h	1000/1	1-5 Min	30 Min	1-2 Min
1044	33 Lit	1.2 m.cub/h	1.8 m.cub/h	2.8 Bar	2.0 m.cub/h	1000/1	1-5 Min	36 Min	1-2 Min
1144	40 Lit	1.4 m.cub/h	2.2 m.cub/h	2.8 Bar	3.0 m.cub/h	1000/1	1-5 Min	43 Min	1-2 Min
1248	53 Lit	1.7 m.cub/h	2.6 m.cub/h	2.8 Bar	3.0 m.cub/h	1000/1	1-5 Min	50 Min	1-2 Min
1348	62 Lit	2.0 m.cub/h	3.1 m.cub/h	2.8 Bar	4.0 m.cub/h	2000/1	1-5 Min	30 Min	1-2 Min
1465	99 Lit	2.4 m.cub/h	3.6 m.cub/h	2.8 Bar	4.0 m.cub/h	2000/1	1-5 Min	35 Min	1-2 Min

AM Ion 30		PH>6,3		Vreg = Z x V am30 / 1.2 x K met					
vessel size	Volume AM	Service flow	Min BW flow	Min BW pressure	Min valve flow	Ionizer	Back Wash	Regeneration	Direct flush
948	30 Lit	0.9 m.cub/h	1.6 m.cub/h	3.0 Bar	2.0 m.cub/h	1000/1	1-5 Min	30 Min	1-2 Min
1044	33 Lit	1.0 m.cub/h	2.0 m.cub/h	3.0 Bar	2.0 m.cub/h	1000/1	1-5 Min	36 Min	1-2 Min
1144	40 Lit	1.2 m.cub/h	2.4 m.cub/h	3.0 Bar	3.0 m.cub/h	1000/1	1-5 Min	43 Min	1-2 Min
1248	53 Lit	1.4 m.cub/h	2.9 m.cub/h	3.0 Bar	3.0 m.cub/h	1000/1	1-5 Min	50 Min	1-2 Min
1348	62 Lit	1.7 m.cub/h	3.4 m.cub/h	3.0 Bar	4.0 m.cub/h	2000/1	1-5 Min	30 Min	1-2 Min
1465	99 Lit	2.0 m.cub/h	4.0 m.cub/h	3.0 Bar	4.0 m.cub/h	2000/1	1-5 Min	35 Min	1-2 Min

General installation moments

1)



2)



3)



4)

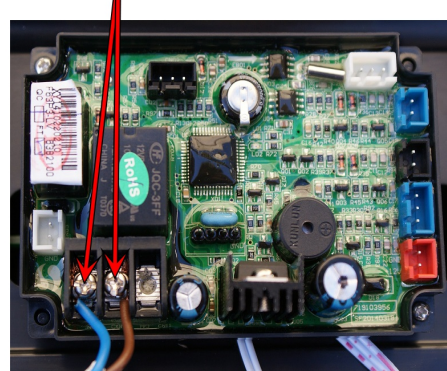


5)



6)

Ionizer connections



WATER FILTRATION SYSTEM TRIAL RUNNIG

- 1) Make the system connection according with FILTER SYSTEM INSTALLATION requirements.
- 2) Connect the control valve to power supply. The Control valve will start to work and will stop in the right position in 30 seconds.
- 3) Unlock the PC board by pushing 2 buttons "Up and Down" for 5 sec.
- 4) Make the filter control valve programming according with Your water requirements.
- 5) The system PC board should be in Service position.
- 6) Open the water pass valve (A) to input water inside the system, Picture Nr.5.
- 7) Disconnect the pipe 3/8 from the Ionizer Box. Pipe between system's valve and Ionizer box. Put pipe to the drain to make a test.
- 8) Unlock the PC board by pushing 2 buttons "Up and Down" for 5 sec.
- 9) Push the button "Manual" twice, to put valve in "Brine & Slow Rinse". Some little quantity of the water could be go out via pipe 3/8 during cycles' changes process.
- 10) Check the system suction process, put the finger on pipe 3/8 end. If there is a suction everything working right. If there is no water or water come out via pipe it's wrong. It could be problem with inlet pressure or system's distributors (top and down) could be closed by media or something else during transportation.
- !!! If there is no suction in "Brine & Slow Rinse" cycle it's forbidden to connect Ionizer Box to the water system !!!
- 11) Connect Ionizer Box to power supply. The Box should start to work. Please, note, when the valve situated in "Brine & Slow Rinse" cycle, the Ionizer Box will start to work with the delay about 7 sec. The some little smell air will start to come our from Ionizer Box.
- !!!Do not breathe of the air, which come our from the Ionizer Box, it's could be dangerous for lungs!!!
- 12) Push the button "Manual" to put valve in Service position. Some little quantity of the water could be go out via pipe 3/8 during cycles' changes process.
- 13) Connect the pipe 3/8 back to the water system valve.
- 14) If there is no any leakage You must **start the full cycle of regeneration process**. It's important to make a regeneration from the beginning. The regeneration will flush the system from the dust particles, enrich and charge the filter media by the ions, place the media in right condition after system transportation.
- !!! Don't forget to program "Brine Refill" cycle to 00:00.!!!

WATER FILTRATION SYSTEM FIRST START

- 1) If everything is ok, please, **make a system's media flushing**. Unlock the PC board by pushing 2 buttons "Up and Down" for 5 sec.
- 2) Put the control valve in "Backwash" position for 2 minutes by pushing "Manual" button.
- 3) After that put the control valve in "Rinse" position for 1 minutes by pushing "Manual" button. The water, which goes to drain has a black color.
- 4) Repeat these steps → "Backwash and Rinse" few times till the moment when water, which went to drain has a normal color (like inlet water).
- 5) At the end, put the control valve in "Service" position by pushing "Manual" button.