



Aqualine Activated Carbon (AC) Filters are used for purification of water having undesirable free chlorine, color, taste and smell caused by chemicals, dissolved ions and gases. The activated carbon media used in the systems is produced from charcoal or coconut shells activated by steam or burned without oxygen has a surface area of between 900 - 1100 m²/gr.

Capacity of AC filter are determined by features of AC used as a filter media and right selection of filtration velocity in the bed. In AC Systems, beside filtration mechanism, adsorption mechanism is used, therefore AC Filters are systems making physico-chemical purification. AC Filters operate completely automatic without interference of human. AC Filters remove particulates accumulated in the bed by doing daily 15-20 minutes of automatic back-wash.

Another important subject that must be paid attention about AC is, mineral media can form suitable environment for bacteria production because active carbon collects organic material inside its structure and if there is bacteria at water, bacteria can use this organic material as food and reproduce. At such situations, bacteria leakage is possible. For this reason, changing or regeneration media at right time and disinfection of water is important before and after of AC.

*In Automatic Filter Systems are using FRP tanks
Control systems are generally Fleck Control Valves. Other brands such as Autotrol or Siata etc. can be used upon request.*

MODEL	TANK SIZE	CONNECTION DIAMETER	FLOW m ³ /hour		MINERALS	
			VELOCITY = 20 m/h	Max. VELOCITY = 30 m/h	CARBON (kg)	QUARTZ (kg)
FILTER VALVE						
C - 8	8" x 17"	1"	0,65	0,97	4	---
C - 15	7" x 35"	1"	0,50	0,74	7	---
C - 20	8" x 35"	1"	0,65	0,97	9	---
C - 25	9" x 35"	1"	0,82	1,23	12,5	---
C - 30	10" x 35"	1"	1,01	1,52	15	---
C - 50	10" x 54"	1"	1,01	1,52	25	---

FLECK 2510 FILTER VALVE						
C - 8	8" x 17"	1"	0,65	0,97	4	---
C - 15	7" x 35"	1"	0,50	0,74	7	---
C - 20	8" x 35"	1"	0,65	0,97	9	---
C - 25	9" x 35"	1"	0,82	1,23	12,5	---
C - 30	10" x 35"	1"	1,01	1,52	15	---
C - 50	10" x 54"	1"	1,01	1,52	25	---
C - 60	12" x 48"	1"	1,46	2,19	30	10
C - 80	13" x 54"	1"	1,71	2,57	35	15
C - 100	14" x 65"	1"	2,59	2,98	45	15
C - 150	16" x 65"	1"	2,59	3,89	65	20

MODEL	TANK SIZE	CONNECTION DIAMETER	FLOW m ³ /hour		MINERALS	
			VELOCITY =20 m/h	Max.VELOCITY = 30 m/h	CARBON (kg)	QUARTZ (kg)
FLECK 7700 FILTER VALVE						
C - 50	10" x 54"	1 1/4"	1,01	1,52	25	---
C - 60	12" x 48"	1 1/4"	1,46	2,19	30	10
C - 80	13" x 54"	1 1/4"	1,71	2,57	35	15
C - 100	14" x 65"	1 1/4"	1,98	2,98	45	15
C - 150	16" x 65"	1 1/4"	2,59	3,89	65	20
C - 200	18" x 65"	1 1/4"	3,28	4,92	80	25
C - 250	21" x 62"	1 1/4"	4,47	6,7	100	50
C - 300	24" x 72"	1 1/4"	5,83	8	125	50
FLECK 2750 FILTER VALVE						
C - 50	10" x 54"	1"	1,01	1,52	25	---
C - 60	12" x 48"	1"	1,46	2,19	30	10
C - 80	13" x 54"	1"	1,71	2,57	35	15
C - 100	14" x 65"	1"	1,98	2,98	45	15
C - 150	16" x 65"	1"	2,59	3,89	65	20
C - 200	18" x 65"	1"	3,28	4,92	80	25
C - 250	21" x 62"	1"	4,47	5,9	100	50
FLECK 2850 FILTER VALVE						
C - 100	14" x 65"	1 1/2"	1,98	2,98	45	25
C - 150	16" x 65"	1 1/2"	2,59	3,89	65	50
C - 200	18" x 65"	1 1/2"	3,28	4,92	80	50
C - 250	21" x 62"	1 1/2"	4,47	6,7	100	75
C - 300	24" x 72"	1 1/2"	5,83	8,75	125	100
FLECK 2910 FILTER VALVE						
C - 100	14" x 65"	2"	1,98	2,98	45	25
C - 150	16" x 65"	2"	2,59	3,89	65	50
C - 200	18" x 65"	2"	3,28	4,92	80	50
C - 250	21" x 62"	2"	4,47	6,7	100	75
C - 300	24" x 72"	2"	5,83	8,75	125	100
C - 500	30" x 72"	2"	9,12	13,67	150	225
FLECK 3150 FILTER VALVE						
C - 300	24" x 72"	2"	5,83	8,75	125	100
C - 500	30" x 72"	2"	9,12	13,67	150	225
C - 750	36" x 72"	2"	13,13	19,69	225	325
C - 900	42" x 72"	2"	17,87	24	275	400
FLECK 3900 FILTER VALVE						
C - 900	42" x 72"	3"	17,87	26,8	275	400