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AUTOMATIC

DUPLEX SOFTENER SYSTEMS

In Automatic Multimedia 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.



AQUALINE RESIN



INDION RESIN



APPLICATION SCHEME

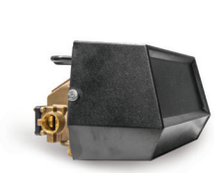
DUPLEX SOFTENER

Duplex systems consist of two softening units and regeneration process is set with flow control in these systems.

When resin exchange capacity is exhausted, regeneration process which consists of five main steps that are backwash, brine and slow rinsing, rapid rinsing and refilling salt tank starts. In regeneration, resin leaves hardness ions to water and sodium ions are taken back again from the brine prepared in the salt tank so that system is ready to another service cycle.



FLECK VALVES



9000



9100



9500



2910



3150



3900

AUTOMATIC DUPLEX SOFTENER SYSTEMS

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MODEL	TANK SIZE	SYSTEM CONNECTION	FLOW m^3/hour Max Velocity = 40m^3 /m^3-resin.hour	MINERAL RESIN (lt)
FLECK 9000 DUPLEX				
ST - 8	8" x 17"	1"	0,32	8 x 2
ST - 15	7" x 35"	1"	0,6	15 x 2
ST - 20	8" x 35"	1"	0,8	20 x 2
ST - 25	9" x 35"	1"	1	25 x 2
ST - 30	10" x 35"	1"	1,2	30 x 2
ST - 50	10" x 54"	1"	2	50 x 2
ST - 60	12" x 48"	1"	2,4	60 x 2
ST - 80	13" x 54"	1"	3,2	80 x 2
ST - 100	14" x 65"	1"	4	100 x 2
ST - 150	16" x 65"	1"	5	150 x 2
FLECK 9100 DUPLEX				
ST - 8	8" x 17"	1"	0,32	8 x 2
ST - 15	7" x 35"	1"	0,6	15 x 2
ST - 20	8" x 35"	1"	0,8	20 x 2
ST - 25	9" x 35"	1"	1	25 x 2
ST - 30	10" x 35"	1"	1,2	30 x 2
ST - 50	10" x 54"	1"	2	50 x 2
ST - 60	12" x 48"	1"	2,4	60 x 2
ST - 80	13" x 54"	1"	3,2	80 x 2
ST - 100	14" x 65"	1"	4	100 x 2
ST - 150	16" x 65"	1"	5	150 x 2
FLECK 9500 DUPLEX				
ST - 100	14" x 65"	1 1/2"	4	100 x 2
ST - 150	16" x 65"	1 1/2"	6	150 x 2
ST - 200	18" x 65"	1 1/2"	6	200 x 2
ST - 250	21" x 62"	1 1/2"	10	250 x 2
ST - 300	24" x 72"	1 1/2"	10	300 x 2
FLECK 2910 DUPLEX				
ST - 200	18" x 65"	2"	8	200 x 2
ST - 250	21" x 62"	2"	10	250 x 2
ST - 300	24" x 72"	2"	12	300 x 2
ST - 500	30" x 72"	2"	20	500 x 2
ST - 750	36" x 72"	2"	20	750 x 2
FLECK 3150 DUPLEX				
ST - 300	24" x 72"	2"	12	300 x 2
ST - 500	30" x 72"	2"	20	500 x 2
ST - 750	36" x 72"	2"	24	750 x 2
ST - 900	42" x 72"	2"	24	900 x 2
FLECK 3900 DUPLEX				
ST - 900	42" x 72"	3"	36	900 x 2
ST - 1200	48" x 72"	3"	48	1200 x 2