

NOTE: Raw water can not contain poliphosphates - their presence causes irreversible destruction of media!

TYPE: CR100

Model		10x44	10x54	13x54	14x65	16x65	18x65	21x62	24x72	30x72
Specification										
litres of media	litres / ft³	28.3 l / 1 ft³	42.5 l / 1.5 ft³	71.8 l / 2.5 ft³	99 l / 3.5 ft³	127 l / 4.5 ft³	170 l / 6 ft³	198 l / 7 ft³	311 l / 11 ft³	538 l / 19 ft³
nominal flow*	m³/h	1.5	1.5	2	2.5	3	4	5.5	7	11
peak flow*	m³/h	2	2	3.5	4	5	6	8.5	11	17.5
fittings	"	1"	1"	1"	1"	1"	1"	1.5"	1.5"	2"
exchange capacity*	m³/ppm	740	1340	2180	2970	3810	5100	5940	9330	16140
	m³/°dF	74	134	218	297	381	510	594	933	1614
	m³/°dH	42	75	122	167	214	287	334	524	907
salt consumption	kg/reg.	4.0	5.2	7.5	10.0	14.0	17.0	20.0	31.0	54.0
Components										
valve		WS1 CI	WS1 CI	WS1 CI	WS1 CI	WS1 CI	WS1 CI	WS1/1.25/1.5 CI	WS1.25/1.5 CI	WS1.5/2 CI
tank		10x44	10x54	13x54	14x65	16x65	18x65	21x62	24x72	30x72
gravel	kg	6	6	12.5	19	23	50	68	91	113
brine tank	litres	100	100	125	190	340	340	460	460	670
accessories		grid	grid	grid	grid	grid	grid	grid	grid	grid
		brine valve	brine valve	brine valve	brine valve	brine valve	brine valve	brine valve	brine valve	brine valve
		transformer 12V	transformer 12V	transformer 12V	transformer 12V	transformer 12V	transformer 12V	transformer 12V	transformer 12V	transformer 12V
drain size (DLFC)	"	3/4"	3/4"	3/4"	3/4" / 1"	1"	1"	1"	1"	1.25" / 1.5"
BLFC	gpm	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2.2
DLFC	gpm	3.2	4.2	7.5	10	11	15	20	25	40
injector		brown	violet	red	white	yellow	orange	light blue	green	violet
Regeneration										
backwash	minutes	16	16	16	16	16	16	16	18	18
	litres	195	255	456	608	669	912	1216	1710	2736
brining + slow rinse	minutes	90	90	90	90	90	90	90	90	90
	litres	110	137	274	304	335	376	469	681	1356
rapid rinse	minutes	4	4	4	4	4	6	4	6	6
	litres	53	61	114	152	167.2	342	304	570	690
brine refill	minutes	aut	aut	aut	aut	aut	aut	aut	aut	aut
	litres	aut	aut	aut	aut	aut	aut	aut	aut	aut

*Flow rates and capacities may vary in accordance with the water quality

Physical and chemical properties of Crystal Right

Type	Crystal Right 100	Crystal Right 200
Properties		
screen size	0.3 - 2.4 mm (8 - 50 mesh)	
pH range	5.7 - 14	7 - 14
shipping weight	0.8 kg/l	
packaging	28.3 l (1 cu.ft.) (22.6 kg) / bag	
physical appearance	grey/white crystal	
backwash flow rate	20 m ³ /h/m ²	15 m ³ /h/m ²
salt consumption	100 g/l	
Influent levels		
Iron (Fe)	8 ppm (min 28 l of media)	
	10 ppm (min 42 l of media)	
	15 ppm (min 71 l of media)	
Manganese (Mn)	as above	
Hydrogen sulphide (H ₂ S)	< 1 ppm	
Ammonia (NH ₄)	< 15 ppm	
Exchange capacity (1 liter of media)		
Hardness	30 m ³ / ppm	40 m ³ / ppm
	3 m ³ / °dF	4 m ³ / °dF
	1.7 m ³ / °dH	2.25 m ³ / °dH
Iron and Manganese	10 ppm Fe / Mn = 1.71 °dF = 0.96 °dH	
Sodium	10 ppm Na = 2.18 °dF = 1.22 °dH	
Ammonia*	980 m ³ / ppm	-

*flow should be reduced in proportion to the concentration of ammonia