

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

TYPE: CR200

Model		10x44	10x54	13x54	14x65	16x65	18x65	21x62	24x72	30x72
Specification										
litres of media	litres / ft ³	28.3 l / 1 ft ³	42.5 l / 1.5 ft ³	71.8 l / 2.5 ft ³	99 l / 3.5 ft ³	127 l / 4.5 ft ³	170 l / 6 ft ³	198 l / 7 ft ³	311 l / 11 ft ³	538 l / 19 ft ³
nominal flow*	m ³ /h	1.5	1.5	2	2.5	3	4	5.5	7	11
peak flow*	m ³ /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*	m ³ /ppm	1240	2070	3120	3630	4660	6800	7920	12440	19700
	m ³ /°dF	124	207	312	363	466	680	792	1244	1970
	m ³ /°dH	70	116	175	204	262	382	445	699	1107
salt consumption	kg/reg.	4.6	5.8	8.1	11.5	13.8	18.4	20.7	32.2	55.3
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"	3/4"	3/4" / 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	2.7	3.2	5.3	7.5	9	10	15	20	30
injector		brown	violet	red	white	yellow	orange	light blue	green	violet
Regeneration										
backwash	minutes	12	12	12	14	14	14	14	14	14
	litres	137	160	282	399	479	532	798	1064	1596
brining + slow rinse	minutes	72	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	46	53	81	114	136.8	228	228	456	547
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