



COAL BASE CARBON FILTER GRADE AG1100012/30												RECOMMENDED FLOW RATES LPM			
FILTER TANK SIZE	FILTER TYPE	#5 UNDERBED 1/4 x 1/8 Gravel		#6 UNDERBED 3/8 Gravel		MEDIA QUANTITY AG1100012/30		MEDIA QUANTITY F t3		SERVICE RANGE	PEAK SERVICE	BACKWASH RANGE			
		KGS	BAG QTY.	KGS	BAG QTY.	KGS	ORDER BAG QTY.	F t3	Litres						
9 X 48			-	7.50	0.30	1.00	1.00	1.00	28.5	5	8	17	17	20	
10 X 54			-	10.00	0.40	1.00	1.00	1.25	35.5	6	10	21	21	25	
12 X 52			-	15.00	0.60	1.00	1.00	2.00	56.5	9	15	30	30	35	
13 X 54			-	20.00	0.80	1.00	1.00	2.25	63.5	10	18	35	35	41	
14 X 65	COAL BASE		-	25.00	1.00	1.00	1.00	3.00	85.0	12	20	41	41	48	
16 X 65	CARBON GRADE	20.00	0.80	1.00	1.00	1.00	1.00	3.50	99.0	15	27	53	53	63	
18 X 65	AG1100012/30	25.00	1.00	1.00	0.75	1.00	1.00	4.40	125.0	19	33	67	67	79	
21 X 62		40.00	1.60	2.00	1.00	1.00	1.00	6.00	170.0	26	46	91	91	108	
24 X 71		60.00	2.40	3.00	1.20	2.00	1.00	8.00	226.5	35	60	119	119	141	
30 X 72		120.00	4.80	5.00	2.40	3.00	1.00	13.00	368.0	54	93	187	187	221	
36 X 72		160.00	6.40	7.00	3.20	4.00	1.00	18.50	523.5	78	134	269	269	318	
42 X 72		200.00	8.00	8.00	4.00	4.00	1.00	27.00	764.0	106	183	366	366	433	
48 X 72		360.00	14.40	15.00	4.80	5.00	1.00	37.00	1047.0	138	239	478	478	565	
63 X 86		750.00	30.00	30.00	10.00	10.00	1.00	55.00	1550.0	238	411	823	823	974	

SERVICE FLOW RATES SHOWN ARE BASED ON GENERAL RECOMMENDED RATES FOR NOMINAL CHLORINE REMOVAL TO REMOVE SPECIFIC ORGANIC MATERIAL. IT WILL BE NECESSARY TO ADJUST FOR THE REQUIRED BED CONTACT TIME.

THE CARBON MEDIA QUANTITY WEIGHTS / BAG QUANTITY SHOWN ARE IN GENERAL. THEORETICAL VALUES BASED ON THE NOMINAL FT3 VOLUME TO WEIGHT CONVERSION

NATURALLY FOR THE LARGER VESSELS: WHERE POSSIBLE FULL BAG QUANTITIES WOULD BE USED IN PRACTICE

CARBON BAG QTY. : BASED ON 25 KG. BAGS AND NOMINAL 57 LITRES VOLUME

UNDERBED GRAVEL BAG QTY. : BASED ON 25 KG. BAGS

IMPORTANT NOTE:

A NUMBER OF CALCULATIONS HAVE BEEN ROUNDED OFF IN CONVERTING TO METRIC AS THE CALCULATIONS HAVE BEEN BASED ON IMPERIAL QUANTITIES OF CUBIC FEET AND NOMINAL CARBON BED DEPTH OF 30 inches

SCALE: NTS

TITLE: GRADE AG1100012/30 CARBON FILTER MEDIA LOADING

REV: 2

DRAWING NO. A4FNL-C-5HC-CDAL