

POLLUTION CONTROL SYSTEMS, INC. CIRCULAR MECHANICAL CLARIFIER DESIGN DATA

Clarifier Drawing Number	Clarifier Model Number	Clarifier Design Flow Note #1	Clarifier Volume Gallons	Tank Dia. Dim. -A-	Tank Side Water Depth Dim. -B-	Concrete Floor Height Dim. -C-	Center Sump Dia. Dim. -D-	Inlet Stilling Well Dia. Dim. -E-	Inlet Pipe Size Dia. Dim. -F-	Outlet Pipe Size Dia. Dim. -G-	Scum Pipe Size Dia. Dim. -H-	Sludge Pipe Size Dia. Dim. -J-	Sludge Pipe CL Height Dim. -K-	Sludge Well Height Dim. -L-
CMC-CAT1	CMC-8	18,850	3,321	8'-0"	8'-8 1/2"	9 1/2"	20"	2'-0"	6"	6"	2"	3"	4"	7 1/4"
CMC-CAT1	CMC-10	30,160	5,157	10'-0"	8'-7 1/2"	10 1/2"	20"	2'-0"	6"	6"	2"	3"	4"	7 1/4"
CMC-CAT1	CMC-12	42,400	7,380	12'-0"	8'-6 1/2"	11 1/2"	20"	3'-0"	6"	6"	2"	3"	4"	7 1/4"
CMC-CAT2	CMC-14	58,750	9,586	14'-0"	8'-1 1/4"	1'-4 3/4"	20"	3'-0"	6"	6"	3"	4"	6"	10 5/8"
CMC-CAT2	CMC-16	77,600	12,427	16'-0"	8'-0 1/4"	1'-5 3/4"	20"	3'-0"	8"	6"	3"	4"	6"	10 5/8"
CMC-CAT2	CMC-18	98,960	15,571	18'-0"	7'-11 1/4"	1'-6 3/4"	20"	3'-0"	8"	6"	3"	4"	6"	10 5/8"
CMC-CAT3	CMC-20	120,640	19,091	20'-0"	7'-10 1/4"	1'-7 3/4"	20"	4'-0"	10"	8"	3"	6"	6"	10 5/8"
CMC-CAT3	CMC-22	147,030	22,963	22'-0"	7'-9 1/4"	1'-8 3/4"	20"	4'-0"	10"	8"	3"	6"	6"	10 5/8"
CMC-CAT3	CMC-24	173,100	27,288	24'-0"	7'-8 1/4"	1'-9 3/4"	20"	5'-0"	12"	10"	3"	6"	6"	10 5/8"
CMC-CAT3	CMC-26	204,515	31,650	26'-0"	7'-7 1/4"	1'-10 3/4"	20"	5'-0"	12"	10"	3"	6"	6"	10 5/8"
CMC-CAT3	CMC-28	238,444	36,423	28'-0"	7'-6 1/4"	1'-11 3/4"	20"	5'-0"	12"	10"	3"	6"	6"	10 5/8"
CMC-CAT3	CMC-30	271,435	40,657	30'-0"	7'-3 1/4"	2'-2 3/4"	24"	6'-0"	14"	10"	3"	8"	7 1/2"	12 1/2"
CMC-CAT3	CMC-32	310,390	45,961	32'-0"	7'-2 1/4"	2'-3 3/4"	24"	6'-0"	14"	10"	3"	8"	7 1/2"	12 1/2"
CMC-CAT3	CMC-34	351,860	51,470	34'-0"	7'-1 1/4"	2'-4 3/4"	24"	6'-0"	16"	10"	3"	8"	7 1/2"	12 1/2"

1. Design Flow rates based on surface settling rate of 1000 gpd/sq.ft. with a peak flow factor of 2.5