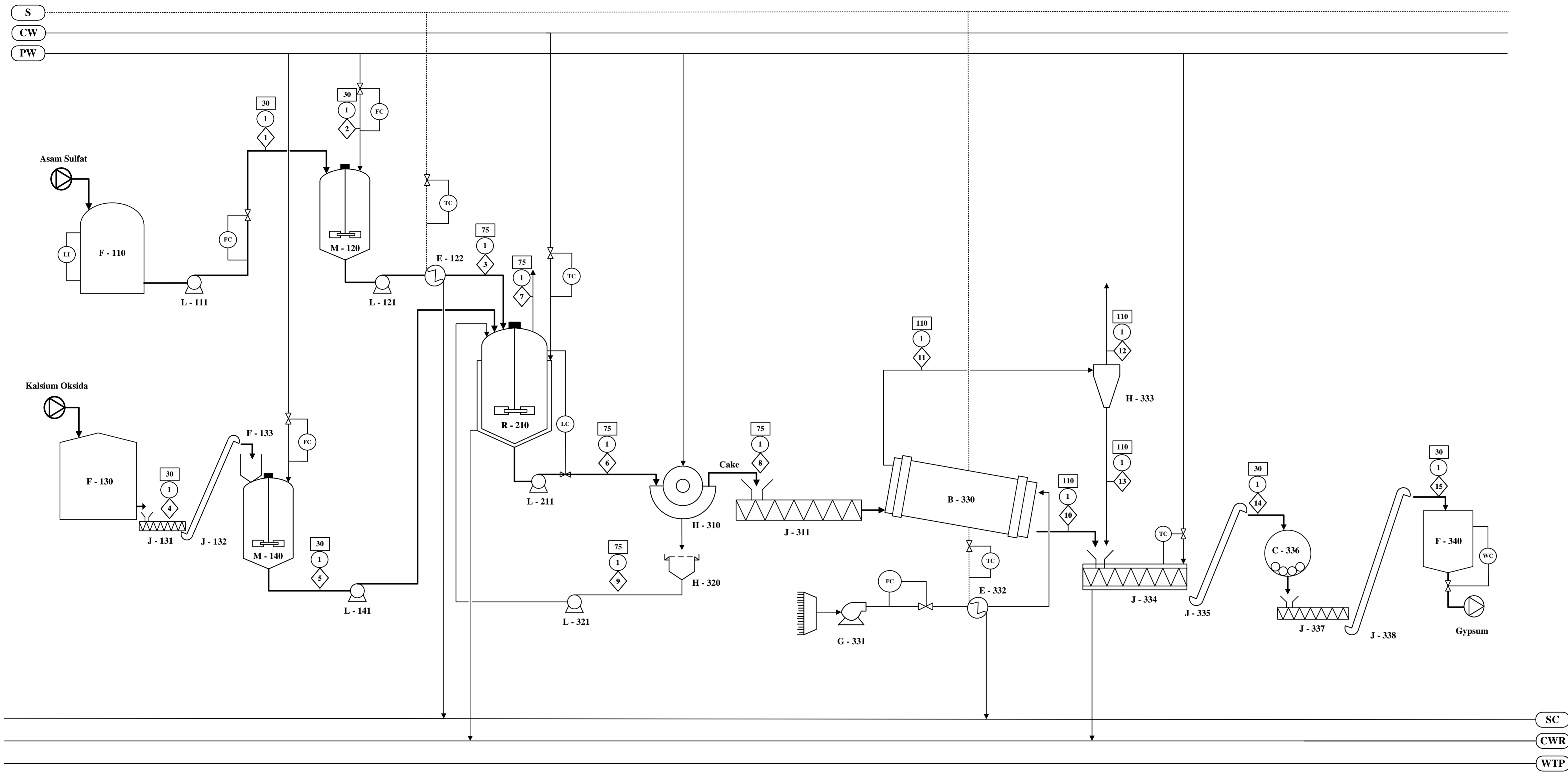


FLOWSHEET PABRIK GYPSUM DIHIDRAT DARI KALSIUM OKSIDA DAN ASAM SULFAT DENGAN PROSES NETRALISASI



KETERANGAN :

	Temperatur : °C
	Aliran Massa : kg/jam
	Tekanan : atm
S	Steam : 148 °C – 4,5 atm
SC	Steam Condensate
CW	Cooling Water
CWR	Cooling Water Return
PW	Process Water
WTP	Waste Treatment Process

27	F - 340	SILO GYPSUM
26	J - 338	BUCKET ELEVATOR - 3
25	J - 337	SCREW CONVEYOR - 4
24	C - 336	BALL MILL
23	J - 335	BUCKET ELEVATOR - 2
22	J - 334	SCREW CONVEYOR - 3
21	H - 333	CYCLONE
20	E - 332	HEATER - 2
19	G - 331	BLOWER
18	B - 330	ROTARY DRYER
17	J - 311	SCREW CONVEYOR - 2
16	L - 321	POMPA - 4
15	H - 320	TANGKI RECYCLE
14	H - 310	ROTARY DRUM FILTER VAKUM
13	L - 211	POMPA - 3
12	R - 210	REAKTOR
11	L - 141	POMPA - 3
10	M - 140	TANGKI PELARUTAN KALSIUM OKSIDA
09	F - 133	HOPPER TANGKI PELARUT
08	J - 132	BUCKET ELEVATOR - 1
07	J - 131	SCREW CONVEYOR - 1
06	F - 130	STORAGE KALSIUM OKSIDA
05	E - 122	HEATER - 1
04	L - 121	POMPA - 2
03	M - 120	TANGKI PENGECERAN ASAM SULFAT
02	L - 111	POMPA - 1
01	F - 110	TANGKI PENYIMPANAN ASAM SULFAT
NO	KODE	NAMA ALAT

Komponen	Aliran Massa (kg / jam)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CaO	13681.7087														
MgO	720.0899														
Ca(OH)2					18079.4008		903.9700	17202.5499		876.8509	27.1191	1.8620			
CaSO4							31565.6566			31565.6566	21.9179	31250.0000	21.9179	31271.9179	
H2O		54726.8349	903.9700	28625.7180	50005.1024	29529.6880	79534.7904	1500.1531	885.8906	77148.7466	2386.0437	163.8251			
H2SO4			44294.5320			44294.5320	19872.6819		25018.0305	19276.5015	596.1805	40.9336			
Mg(OH)2					1044.1304		52.2065	993.4901		50.6403	1.5662	0.1075			
MgSO4							2052.2563			2052.2563	1.4250	2031.7337	1.4250	2033.1587	
Total	14401.7987	54726.8349	45198.5020	28625.7180	69128.6336	73824.2200	133981.5617	19696.1930	25903.9212	97352.7394	36628.8223	230.0711	31271.9179	23.3429	33305.0766

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