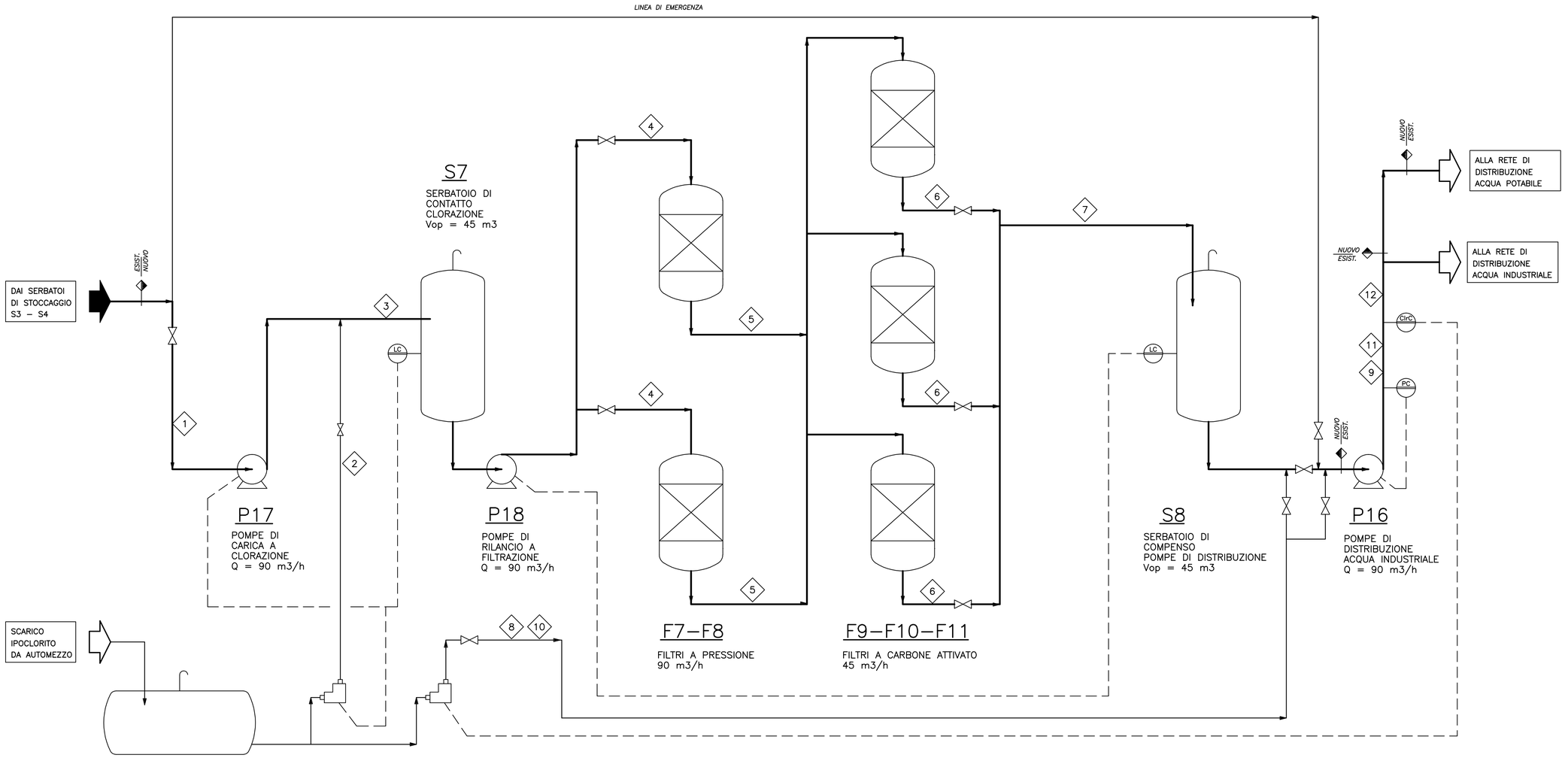

STREAM			◇1			◇2			◇3			◇4			◇5			◇6			◇7			◇8			◇9			◇10			◇11			◇12		
COMPONENTE	SPECIE	MW	kmol/h	kg/h	mg/l	kmol/h	kg/h	mg/l	kmol/h	kg/h	mg/l	kmol/h	kg/h	mg/l	kmol/h	kg/h	mg/l	kmol/h	kg/h	mg/l	kmol/h	kg/h	mg/l	kmol/h	kg/h	mg/l	kmol/h	kg/h	mg/l	kmol/h	kg/h	mg/l	kmol/h	kg/h	mg/l	kmol/h	kg/h	mg/l
Acqua	H2O	18.016	4980.6	89730		.0682	1.131		4980.6	89731		4980.6	89731		4980.6	89731		2490.3	44865.5		4980.6	89731		.0077	0.139		4980.6	89731		0.0355	0.640		4980.6	89730		4980.6	89730	
Alcalinita'	CaCO3	100.09			95						96.49			96.00			95.96			95.12			95.12						95.30					95.85			95.33	
Solidi sospesi				9E–3	<0.1					9E–3	0.1		11.43E–3	0.127			nil			nil			nil											9E–3	0.1		11.43E–3	0.127
Ferro	Fe	55.85	1.61E–5	9E–4	<10E–3				1.61E–5	9E–4	10E–3	1.61E–5	9E–4	10E–3			nil			nil			nil										1.61E–5	9E–4	10E–3	1.61E–5	9E–4	10E–3
Manganese	Mn	54.93	8.19E–6	4.5E–4	<5E–3				8.19E–6	4.5E–4	5E–3	8.19E–6	4.5E–4	5E–3			nil			nil			nil										8.19E–6	4.5E–4	5E–3	8.19E–6	4.5E–4	5E–3
Cl2 libero	Cl2	70.91	–	–	–	2.41E–3	0.171	140E+3	2.41E–3	0.171	1.90	1.50E–3	0.106	1.18	1.50E–3	0.106	1.18	nil	nil	nil	nil	nil	nil	2.96E–4	0.021	140E+3	2.96E–4	0.021	0.23	136E–3	0.0966	140E+3	1.36E–3	0.0966	1.07	4.60E–4	0.0326	0.36
Cloruri	Cl2	70.91	4.06E–2	2.88	32	1.19E–3	0.0854	70.06E+3	4.179E–2	2.965	32.95	4.22E–2	3.00	33.33	4.22E–2	3.00	33.33	.022	1.53	33.89	0.043	3.05	33.89	1.48E–4	0.0105	70.06E+3	0.043	3.06	34.00	6.81E–4	0.0483	70.06E+3	4.128E–2	2.93	32.56	4.173E–2	2.96	32.89
Altri ossidabili	O2	32	4.42E–4	0.0141	0.157				4.42E–4	0.0141	0.157	nil	nil	nil			nil			nil			nil										4.42E–4	0.0141	0.157	nil	nil	nil
CO2 libera	CO2	44.01	1.43E–2	063	7.0				1.40E–2	0.62	6.85	1.40E–2	0.62	6.85	1.40E–2	0.62	6.85	0.74E–2	0.33	7.24	1.48E–2	0.65	7.24				1.43E–2	0.63	6.99				1.40E–2	0.62	6.85	1.40E–2	0.62	6.85
Sodio ipoclorito	NaOCl	74.45				2.40E–3	0.179	147.1E+3	2.40E–3	0.179	1.99	1.50E–3	0.112	1.24	1.50E–3	0.112	1.24	nil	nil	nil	nil	nil	nil	2.96E–4	0.022	147.1E+3	2.96E–4	0.022	0.24	1.36E–3	0.101	147.1E+3	1.36E–3	0.101	1.122	4.60E–4	0.0342	0.38
Sodio cloruro	NaCl	58.45				2.41E–3	0.141	115.5E+3	2.41E–3	0.141	1.57	3.31E–3	0.193	2.14	3.31E–3	0.193	2.14	2.41E–3	0.141	3.12	4.81E–3	0.281	3.12	2.96E–4	0.017	115.5E+3	5.106E–3	0.298	3.31	1.36E–3	0.0797	115.5E+3	1.36E–3	0.0797	0.886	2.26E–3	0.132	1.47
Sodio idrossido	NaOH	40.00				3.05E–4	0.0122	10.0E+3	3.05E–4	0.0122	0.1355	2.564E–4	1.03E–2	0.114	2.564E–4	1.03E–2	0.114	0.0	0.0	0.0	0.0	0.0	0.0	3.75E–5	0.0015	10E+3	3.75E–5	0.0015	1.67E–2	1.725E–4	6.9E–3	10E+3	1.725E–4	6.9E–3	0.0767	1.24E–4	4.96E–3	0.055
Ferro idrossido	Fe(OH)3	106.87										1.61E–5	1.72E–3	0.019	nil	nil	nil			nil			nil													1.61E–5	1.72E–3	0.019
Manganese biossido	MnO2	86.93										8.19E–6	7.11E–4	7.90E–3	nil	nil	nil			nil			nil													8.19E–6	7.12E–4	7.91E–3
CONSUMO		m3/g		450			6.10E–3																		0.75E–3						3.45E–3							
PORTATA LIQ.		m3/h		90			1.22E–3			90			90			90			45			90			0.15E–3			90			0.69E–3			90			90	
TEMPERATURA		°C		21			15			21			21			21			21			21			15			21			15			21			21	
PRESSIONE		bar G		0.9–1.75			0.90			0.85			2.25			1.45			0.85			0.85		0.80–0.85			5.0–6.0			0.9–1.75			0.9–1.75			0.9–1.75	
pH a 25 °C				7.0			>13			7.01			7.01			7.01			6.98			6.98		>13			7.0			>13			7.0			7.0	
MW				18.02						18.02			18.02			18.02			18.02			18.02					18.02						18.02			18.02	
DENSITA'		kg/m3		997			1200			997			997			997			997			997		1200			997			1200			997			997	
																																				(dopo reazione ~30 min.)		

N O T E

1) LE SEZIONI 10, 11 E 12 SI RIFERISCONO AI PARAMETRI IN FUNZIONAMENTO DI EMERGENZA, IN BY–PASS DEL TRENO DI IPERCLORAZIONE–FILTRAZIONE.

DISEGNI DI RIFERIMENTO

SCHEMA FUNZIONALE	F–3562
PLANIMETRIA GENERALE	A–3561
PLANIMETRIA TUBAZIONI	MA–3561
PLANIMETRIA FONDAZIONI E FOGNATURE	A–3562
SCHEMA ELETTRICO QUADRO DI COMANDO	E–3561

REV.	DESCRIZIONE	DATA	DIS.	APP.
3				
2				
1	MODIFICATO ARRANGIAMENTO PER CLORAZIO_NE DI EMERGENZA	29.01 2008	Gipp	

SOCIETA ITALIANA COSTRUZIONI INDUSTRIALI S.r.l.
ROMA

IMPIANTO DISINFEZIONE ACQUA INDUSTRIALE

SCHEMA DI PROCESSO

PRIMA EMISSIONE			progetto esecutivo	SCALA	PROG.
DISEG.	CONTR.	APPROV.	DATA	//	
Gipp			19.12.07		
SOSTITUITO DA		SOSTITUISCE IL		DIS. N° F–0001	FOGLIO

SIGLA 880x580