



GENERAL NOTE:
 1. IL NUMERO DEI CORPI E LA CONFIGURAZIONE DEGLI SCAMBIATORI SONO STATI STIMATI. DA VERIFICARE A CURA DELL' APRES.
NOTE:
 1. BOILER FEED WATER A 61E08.
 2. BOILER FEED WATER DA 61E09.

- LEGEND:**
- ◇ NUMERO DI CORRENTE
 - NMF NORMALLY NO FLOW
 - AT ACQUA TEMPERATA
 - FG FUEL GAS
 - BL LIMITE DI BATTERIA
 - LS VAPORE BASSA PRESSIONE
 - FO FUEL OIL
 - DM ACQUA DEMI
 - BFW BOILER FEED WATER
 - CW COOLING WATER
 - LA AMMINA POVERA
 - RA AMMINA RICCA
 - BD BLOWDOWN
 - MS VAPORE MEDIA PRESSIONE

MARCIA ESSIDER-ALIMENTAZIONE CALDA

Nome corrente		1	2	3	4	5	6	7	8	9	10	11	15	16	17	18	19	20	21	24	26	27	28	31	32	33	34	35	39	40	41	42	43	61	62	63
FASE	udm	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Vapore
Temperatura	C	130.00	130.00	130.00	146.22	180.16	208.55	282.73	181.53	197.70	264.51	273.68	338.29	240.16	206.54	206.54	214.88	194.44	172.39	365.87	248.86	248.86	248.86	313.48	224.98	224.98	224.98	180.67	264.55	214.99	214.99	214.99	166.85	120.00	162.88	199.47
Pressione	KG/CM2	507.05	507.05	507.05	507.05	507.05	507.05	507.05	507.05	507.05	507.05	507.05	882.94	882.94	882.94	882.94	20000	83971	83971	45680	45680	30000	15680	196021	196021	122021	74000	74000	91871	91871	60738	31133	31133	24000	24000	23279
Portata massica	KG/HR	209134	104567	104567	104567	104567	104567	104567	104567	104567	104567	209134	88294	88294	88294	20000	83971	83971	45680	45680	30000	15680	196021	196021	122021	74000	74000	91871	91871	60738	31133	31133	24000	24000	23279	
Peso molecolare		507.05	507.05	507.05	507.05	507.05	507.05	507.05	507.05	507.05	507.05	507.05	882.94	882.94	882.94	20000	83971	83971	45680	45680	30000	15680	196021	196021	122021	74000	74000	91871	91871	60738	31133	31133	24000	24000	23279	
Portata massica	KG/HR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	23279
Peso molecolare		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	18.01
Liquido																																				
Portata massica	KG/HR	209134	104567	104567	104567	104567	104567	104567	104567	104567	209134	88294	88294	88294	20000	83971	83971	45680	45680	30000	15680	196021	196021	122021	74000	74000	91871	91871	60738	31133	31133	24000	24000	n/a		
Densità attuale	KG/M3	874.53	874.53	874.53	866.27	848.94	833.95	794.38	848.31	839.90	804.26	799.27	850.18	893.85	908.28	889.55	898.79	908.86	767.98	831.05	831.05	831.05	752.93	803.72	803.72	803.72	827.18	744.42	774.59	774.59	774.59	801.95	943.69	905.43	n/a	
Densità standard	KG/M3	930.78	930.78	930.78	930.78	930.78	930.78	930.78	930.78	930.78	930.78	930.78	930.78	995.69	995.69	995.69	995.69	986.46	986.46	948.15	948.15	948.15	948.15	913.05	913.05	913.05	913.05	883.89	883.89	883.89	883.89	998.57	998.57	n/a		

MARCIA ESSIDER-ALIMENTAZIONE FREDDA

Nome corrente		1	2	3	4	5	6	7	8	9	10	11	15	16	17	18	19	20	21	24	26	27	28	31	32	33	34	35	39	40	41	42	43	61	62	63
FASE	udm	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Liquido	Vapore
Temperatura	C	85.00	85.00	85.00	109.46	155.70	181.82	246.23	144.21	164.32	268.63	257.52	341.80	218.29	186.10	186.10	194.86	170.01	155.86	363.69	231.10	231.10	231.10	313.08	225.01	225.01	225.01	167.12	264.61	208.02	208.02	208.02	138.70	120.00	146.73	199.47
Pressione	KG/CM2	507.05	507.05	507.05	507.05	507.05	507.05	507.05	507.05	507.05	507.05	507.05	209134	84083	84083	88542	15541	83975	83975	45433	45433	30000	15433	191271	191271	117271	74000	74000	86389	86389	55256	31133	31133	24000	24000	21690
Portata massica	KG/HR	209134	104567	104567	104567	104567	104567	104567	104567	104567	104567	209134	84083	84083	88542	15541	83975	83975	45433	45433	30000	15433	191271	191271	117271	74000	74000	86389	86389	55256	31133	31133	24000	24000	21690	
Peso molecolare		507.05	507.05	507.05	507.05	507.05	507.05	507.05	507.05	507.05	507.05	507.05	840.83	840.83	867.03	867.03	867.03	799.78	799.78	594.84	594.84	30000	15433	191271	191271	117271	74000	74000	86389	86389	55256	31133	31133	24000	24000	21690
Portata massica	KG/HR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	21690
Peso molecolare		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	18.01
Liquido																																				
Portata massica	KG/HR	209134	104567	104567	104567	104567	104567	104567	104567	104567	209134	84083	84083	88542	15541	83975	83975	45433	45433	30000	15433	191271	191271	117271	74000	74000	86389	86389	55256	31133	31133	24000	24000	n/a		
Densità attuale	KG/M3	897.42	897.42	897.42	884.83	861.29	847.58	813.94	867.23	856.93	802.09	807.89	853.15	906.39	919.70	919.70	898.71	909.85	916.17	788.53	839.35	839.35	839.35	803.77	803.77	803.77	834.30	744.41	778.68	778.68	778.68	817.43	943.69	920.95	n/a	
Densità standard	KG/M3	930.78	930.78	930.78	930.78	930.78	930.78	930.78	930.78	930.78	930.78	930.78	995.54	995.54	995.54	995.54	986.38	986.38	947.64	947.64	947.64	947.64	913.11	913.11	913.11	913.11	883.91	883.91	883.91	883.91	998.57	998.57	n/a			

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Eni S.p.A.
Divisione Refining & Marketing

PROGETTO SERENISSIMA - RAFFINERIA DI VENEZIA
UNITA' 61 IMPIANTO VACUUM
PROCESS FLOW DIAGRAM
SEZIONE DI PRERISCALDO

316210
61-GD-B-04606

Eni S.p.A. A company of SAIPEM

1 File: 61-PFD-PR-001.dgn