

Annex 1

Rate		[mtpH]	130	140	150	160	165	170	175	180	185**	190**
Compressor 1 Discharge Pressure	P1	[bar]	1,4	1,5	1,55	1,6	1,61	1,62	1,65	1,65	1,7	1,8
Compressor 2 Discharge Pressure	P2	[bar]	1,4	1,5	1,55	1,6	1,61	1,62	1,65	1,65	1,7	1,8
Screw Pump header Pressure	P3	[bar]	1,1	1,15	1,2	1,4	1,4	1,4	1,45	1,45	1,5	1,6
Conveying Line Pressure just after the pump	P4	[bar]	0,7	0,8	0,85	0,95	0,95	0,95	1	1	1,05	1,1
Screw pump Hopper Vent Pressure	P5	[milibar]							-10	-10	± Positive	Positive
Compressor 1 Discharge Temperature	T1	[°C]	140	145	150	155	155	160	160	160	160	170
Compressor 2 Discharge Temperature	T2	[°C]	130	140	145	150	155	155	155	160	160	165
Compressor 1 Motor Amps	A1	[amps]	250	250	250	257	250,5	257	257	261		
Compressor 2 Motor Amps	A2	[amps]	242	242	246	252	252	255	264	262		
Screw pump Amps *	A3	[amps]	151	156	164	182	185	171	192	240		
Differential Pressure Across Screw Pump **	P3-P4	[bar]	0,4	0,35	0,35	0,45	0,45	0,45	0,45	0,45	0,45	0,5
Line to Screw Pump manifold Pressure Ratio	P4/P3		1,57	1,44	1,41	1,47	1,47	1,47	1,45	1,45	1,43	1,45
Manifold to compressor Discharge Pressure Ratio	P1/P3		1,27	1,30	1,29	1,14	1,15	1,16	1,14	1,14	1,13	1,13

* Screw pump amps were showing wide variations which became worse as capacity increases

** This range of data is somewhat suspect because of the speed at which the system become uncontrollable and testing had to be stopped