

# DEVICES TECHNICAL DATA / COMPATIBILITY CERTIFICATE

<b>Device Nr.</b>	SP-401	<b>TPT Nr.</b>		<b>Weight empty, kg</b>	12000	<b>Tube sets Qty.</b>	
<b>Departament</b>	GP2	<b>Registration Nr.</b>	SI-01-08902	<b>Weight hydro test, kg:</b>	49070	<b>Tubes Qty.</b>	
<b>Section</b>	FU	<b>Shell work. press.</b>	5	<b>Shell hight, m</b>	5,756	<b>Tube sets diameter, m</b>	
<b>Cost centre Nr.</b>	1G4108	<b>Shell test press.</b>	11,5(8)	<b>Shell length, m</b>	11,074	<b>Tube lenght, m</b>	
<b>Inventory Nr.</b>		<b>Shell Temp. C</b>	45	<b>Shell diameter, m</b>	2,120	<b>Tube sets weight, kg</b>	
<b>Equipment type</b>		<b>Shell design T. C</b>	-45/+80	<b>Shell capacity, m3</b>	37,070	<b>Heat exchange area, m2:</b>	
<b>Manufacturing date</b>	2009	<b>Tube work press.</b>		<b>Shell material</b>	ASTM A516 Gr.70N	<b>Tubes material</b>	
<b>Exploataation date</b>	2009	<b>Tube test press.</b>		<b>Shell wall thickness</b>	10	<b>Tube diameter, mm</b>	
		<b>Tube Temp.</b>		<b>Shell weight, kg</b>		<b>Tubes working media</b>	
		<b>Tube design T. C</b>		<b>Shell media</b>	AVD,MEA		

**Manufacturer** GARO DOTT. ING. ROBERTO GAMBIONETA S.P.A Via Pompei 15 20052 Manza ITALY

**Location**

**Notes:**

Flange name	Notification	Flange qty,	Blinded flange qty	Dn	Pn	Flange type	Gaskets				Bolts qty.	Bolts diametr	Bolts length, mm	Bolt length, for blinding mm	Bolt ASME	Torque [N-m]	Notes
							Type	ID	OD	Width a							

Diafragma	L	1	0	2"	300 #	1*1	Camprofile	69.8	108	0	8	5/8"	110		ASTM A320 L7 galv.	152 [N-m]	Diafragmai 2 tarpines
Flanšas	C	1	1	12"	150 #	1*1	Camprofile	339.7	406.4	0	12	7/8"	140	170	ASTM A320 L7 galv.	428 [N-m]	
Flanšas	M	1	0	2"	600 #	1*1	Camprofile	69.8	108	0	8	5/8"	110		ASTM A320 L7 galv.	152 [N-m]	
Flanšas	D1;D2 ;D3;D4	5	3	8"	150 #	1*1	Camprofile	228.6	276.2	0	8	3/4"	120	140	ASTM A320 L7 galv.	268 [N-m]	
Flanšas	I1;I2	4		2"	300 #	1*1	Camprofile	69.8	108	0	8	5/8"	100		ASTM A320 L7 galv.	152 [N-m]	
Flanšas	J	2	0	1"	300 #	1*1	Camprofile	36.5	69.8	0	4	5/8"	100		ASTM A320 L7 galv.	152 [N-m]	
Flanšas	F1;F2 ;F3;F4;F5; F6,F7	9	1	4"	150 #	1*1	Camprofile	123.8	171.5	0	8	3/4"	100	110	ASTM A320 L7 galv.	268 [N-m]	
Flanšas	E1;E2 ;E3;E4;E5	5	1	6"	150 #	1*1	Camprofile	177.8	219.1	0	8	3/4"	120	140	ASTM A320 L7 galv.	268 [N-m]	
Flanšas	G1;G2 ;G3;G4	6	2	3"	150 #	1*1	Camprofile	98.4	133.4	0	4	5/8"	100	110	ASTM A320 L7 galv.	152 [N-m]	

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Flange name	Notification	Flange qty,	Blinded flange qty	Dn	Pn	Flange type	Gaskets				Bolts qty.	Bolts diameter	Bolts length, mm	Bolt length, for blinding mm	Bolt ASME	Torque [N-m]	Notes
							Type	ID	OD	Width a							

Flanšas	K1 - K8	12	0	3/4"	150 #	1*1	Camprofile	28.6	53.9	0	4	1/2"	70		ASTM A320 L7 galv.	70 [N-m]	
Flanšas	A1;A2	2		32"	150 #	1*1	Camprofile	820	860x878	0	48	3/4"	160		ASTM A320 L7 galv.	268 [N-m]	
Flanšas	H1-H26	46	7	2"	150 #	1*1	Camprofile	69.8	101.6	0	4	5/8"	100	110	ASTM A320 L7 galv.	152 [N-m]	
Liukas	B1;B2	2		20"	150 #	1*1	Camprofile	530.2	581x603.2	0	20	1 1/8"	170		ASTM A320 L7 galv.	931 [N-m]	