



South Zagros Oil & Gas  
Production Company  
(SZOGPC)

SLP-4020910034

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iT.01

Project: <b>Aghar &amp; Dalan Fields</b>	Item No.	
	Document No.	

Document Title: **PRESSURE SAFETY VALVE DATA SHEET**

GENERAL	1	Tag No.	69-PSV-65		
	2	Service	ACF Outlet of P-69.01		
	3	Line No. / Vessel No.			
	4	Full Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety		
	6	Conv., Bellows, Pilot Op.	Bellows		
	7	Bonnet Type			
CONNECTION	8	Inlet Size	2"	3"	
	9	Flange Rating	1500	600	
	10	Type of Facing	RTJ*RF		
MATERIALS (for all items, relevant ASTM code shall be specified by vendor)	11	Body and Bonnet			
	12	Seat and Disk			
	13	Resilient Seat Seal			
	14	Guide and Ring			
	15	Spring			
	16	Bellows			
	17	NACE MR 01-75	Yes		
OPTIONS	18	Cap : Screwed or Bolted	Screwed		
	19	Lever : Plain or Packed	Plain		
	20	Test Gauge	Yes		
	21				
	22				
BASIS	24	Code	API RP 520		
	25	Fire	n.a		
	26	Blocked Outlet	Yes		
	27	Thermal Expansion	n.a		
FLUID DATA	28	Fluid and State	Codensate / Liquid		
	29	Required Capacity (m3/h)	16		
	30	Mol.Wt.	Oper.sp.gr	0.65	
	31	Oper. Pressure	Set Pressure	55	184.4
	32	Oper. Temperature	Rel. Temperature	35	40
	33	Back Pressure	Constant		
	34		Variable	70	
	35		Total		
	36	% Allowable Overpressure	10%		
	37	Overpressure Factor	1.1		
	38	Compressibility Factor			
	39	Latent Heat of Vaporization	n.a		
	40	Ratio of Specific Heats			
	41	Operating Viscosity, cp	1		
	42	Barometric Pressure	0.8		
	43				
	44				
	45	Calc. Area sq. in.	0.105		
	46	Selected Area	V.T.A		
	47	Orifice Designation	V.T.A		
	48	Manufacturer	V.T.A		
	49	Model No.	V.T.A		

NOTES :

V.T.A: Vendor to Advise





Project: **Aghar & Dalan Fields** Item No. \_\_\_\_\_  
Document No. \_\_\_\_\_

Document Title: **PRESSURE SAFETY VALVE DATA SHEET**

GENERAL	1	Tag No.	10-PSV-161 A/B		
	2	Service	DTP Air Receiver		
	3	Line No. / Vessel No.			
	4	Full Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety		
	6	Conv., Bellows, Pilot Op.	Conv.		
	7	Bonnet Type			
CONNECTION	8	Inlet Size	1"	2"	
	9	Flange Rating	150	150	
	10	Type of Facing	RF*RF		
MATERIALS (for all items, relevant ASTM code shall be specified by vendor)	11	Body and Bonnet			
	12	Seat and Disk			
	13	Resilient Seat Seal			
	14	Guide and Ring			
	15	Spring			
	16	Bellows			
	17	NACE MR 01-75	No		
OPTIONS	18	Cap: Screwed or Bolted	Screwed		
	19	Lever: Plain or Packed	Plain		
	20	Test Gauge	Yes		
	21				
	22				
	23				
BASIS	24	Code	API RP 520		
	25	Fire	n.a		
	26	Blocked Outlet	Yes		
	27	Thermal Expansion	n.a		
FLUID DATA	28	Fluid and State	Air / Gas		
	29	Required Capacity (Kg/h)	831		
	30	Mol. Wt.	Oper. sp. gr	29	1
	31	Oper. Pressure	Set Pressure	8	10
	32	Oper. Temperature	Rel. Temperature	30	60
	33		Constant	ATM	
	34	Back Pressure	Variable		
	35		Total		
	36	% Allowable Overpressure	10%		
	37	Overpressure Factor	1.1		
	38	Compressibility Factor	0.99		
	39	Latent Heat of Vaporization	n.a		
	40	Ratio of Specific Heats	1.4		
	41	Operating Viscosity, cp			
	42	Barometric Pressure	0.8		
	43				
44					
45	Calc. Area sq. in.	0.138			
46	Selected Area	V.T.A			
47	Orifice Designation	V.T.A			
48	Manufacturer	V.T.A			
49	Model No.	V.T.A			

ES :  
: Vendor to Advise





Project: **Aghar & Dalaa Fields** Item No. \_\_\_\_\_  
Document No. \_\_\_\_\_

Document Title: **PRESSURE SAFETY VALVE DATA SHEET**

GENERAL	1	Tag No.	03-PSV-361A/B		
	2	Service	DTP Stabilizer Column T-301		
	3	Line No. / Vessel No.			
	4	Full Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety		
	6	Conv., Bellows, Pilot Op.	Bellows		
	7	Bonnet Type			
CONNECTION	8	Inlet Size	1 1/2"	3"	
	9	Outlet Size			
	10	Flange Rating	150	150	
MATERIALS (for all items, relevant ASTM code shall be specified by vendor)	11	Type of Facing	RF*RF		
	12	Body and Bonnet			
	13	Seat and Disk			
	14	Resilient Seat Seal			
	15	Guide and Ring			
	16	Spring			
	17	Bellows			
OPTIONS	18	NACE MR 01-75	Yes		
	19	Cap: Screwed or Bolted	Screwed		
	20	Lever: Plain or Packed	Plain		
	21	Test Gauge	Yes		
	22				
BASIS	23				
	24	Code	API RP 520		
	25	Fire	n.a		
	26	Blocked Outlet	yes		
FLUID DATA	27	Thermal Expansion	n.a		
	28	Fluid and State	HC/Gas		
	29	Required Capacity (kg/h)	1455		
	30	Mol. Wt.	Oper. sp. gr	27.5	
	31	Oper. Pressure	Set Pressure	6	8.6
	32	Oper. Temperature	Rel. Temperature	35	120
	33	Back Pressure	Constant		
	34		Variable	4.4	
	35		Total		
	36	% Allowable Overpressure	10%		
	37	Overpressure Factor	1.1		
	38	Compressibility Factor	0.9		
	39	Latent Heat of Vaporization	n.a		
	40	Ratio of Specific Heats	1.2		
	41	Operating Viscosity, cp			
42	Barometric Pressure	0.8			
43					
44					
	45	Calc. Area sq. in.	0.34		
	46	Selected Area	V.T.A		
	47	Orifice Designation	V.T.A		
	48	Manufacturer	V.T.A		
	49	Model No.	V.T.A		

NOTES :

V.T.A: Vendor to Advise





Project	Item No.
Aghar & Dalan Fields	
	Document No:

Document Title: PRESSURE SAFETY VALVE DATA SHEET

GENERAL	1	Tag No.	03-PSV-561A/B		
	2	Service	DTP Hot Oil Surge Drum V-302		
	3	Line No. / Vessel No.			
	4	Full Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety		
	6	Conv. Bellows, Pilot Op.	Conv.		
	7	Bonnet Type			
CONNECTION	8	Inlet Size	1"	2"	
	9	Flange Rating	300	150	
	10	Type of Facing	RF*RF		
MATERIALS (for all items, relevant ASTM code shall be specified by vendor)	11	Body and Bonnet			
	12	Seat and Disk			
	13	Resilient Seat Seal			
	14	Guide and Ring			
	15	Spring			
	16	Bellows			
	17	NACE MR 01-75	No		
OPTIONS	18	Cap: Screwed or Bolted	Screwed		
	19	Lever: Plain or Packed	Plain		
	20	Test Gauge	yes		
	21				
	22				
BASIS	24	Code	API RP 520		
	25	Fire	n.a		
	26	Blocked Outlet	yes		
	27	Thermal Expansion	n.a		
FLUID DATA	28	Fluid and State	HC / Gas		
	29	Required Capacity (kg/h)	216		
	30	Mol. Wt.	Opor. sp. gr.	19.69	
	31	Oper. Pressure	Set Pressure		5
	32	Oper. Temperature	Rel. Temperature	190	260
	33		Constant	ATM	
	34	Back Pressure	Variable		
	35		Total		
	36	% Allowable Overpressure	10%		
	37	Overpressure Factor	1.1		
	38	Compressibility Factor	0.9		
	39	Latent Heat of Vaporization	n.a		
	40	Ratio of Specific Heats	1.2		
	41	Operating Viscosity, cp			
	42	Barometric Pressure	0.8		
	43				
	44				
	45	Calc. Area sq. in.	0.11		
	46	Selected Area	V.T.A		
	47	Orifice Designation	V.T.A		
	48	Manufacturer	V.T.A		
	49	Model No.	V.T.A		

NOTES:

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Project: **Aghar & Dalan Fields** Item No. \_\_\_\_\_  
Document No. \_\_\_\_\_

Document Title: **PRESSURE SAFETY VALVE DATA SHEET**

GENERAL	1	Tag No.	69-PSV-067		
	2	Service	ACF S.C. Outlet to 3-Phase Sep.		
	3	Line No. / Vessel No.			
	4	Full Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety		
	6	Conv., Bellows, Pilot Op.	Conventional		
	7	Bonnet Type			
CONNECTION	8	Inlet Size	1 1/2"	2"	
	9	Flange Rating	1500	300	
	10	Type of Facing	RTJ*RF		
MATERIALS (for all items, relevant ASTM code shall be specified by vendor)	11	Body and Bonnet			
	12	Seat and Disk			
	13	Resilient Seat Seal			
	14	Guide and Ring			
	15	Spring			
	16	Bellows			
	17	NACE MR 01-75			
OPTIONS	18	Cap : Screwed or Bolted	Yes		
	19	Lever : Plain or Packed	Screwed		
	20	Test Gauge	Plain		
	21		Yes		
	22				
BASIS	24	Code	API RP 520		
	25	Fire	n.a		
	26	Blocked Outlet	yes		
	27	Thermal Expansion	n.a		
FLUID DATA	28	Fluid and State	/ Liquid		
	29	Required Capacity (m3/h)	0.498		
	30	Mol.Wt.	Oper.sp.gr	0.796	
	31	Oper Pressure	Set Pressure	160	232
	32	Oper Temperature	Rel. Temperature	50	50
	33				
	34	Back Pressure	Constant		
	35		Variable		
	35		Total		
	36	% Allowable Overpressure	<10%		
	37	Overpressure Factor	10%		
	38	Compressibility Factor	1.1		
	39	Latent Heat of Vaporization	n.a		
	40	Ratio of Specific Heats			
	41	Operating Viscosity, cp	0.9		
42	Barometric Pressure	0.8			
43					
44					
	45	Calc. Area sq. in.	0.003		
	46	Selected Area	0.196		
	47	Orifice Designation	E		
	48	Manufacturer	V.T.A		
	49	Model No.	V.T.A		

NOTES :  
V.T.A: Vendor to Advise





Project: <b>Aghar &amp; Dalan Fields</b>	Item No.
	Document No.

Document Title: **PRESSURE SAFETY VALVE DATA SHEET**

GENERAL	1	Tag No.	69-PSV-066 A/B		
	2	Service	ACF 3Phase Separator		
	3	Line No. / Vessel No.			
	4	Full Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety		
	6	Conv., Bellows, Pilot Op.	Bellows		
	7	Bonnet Type			
CONNECTION	8	Inlet Size	2"	3"	
	9	Flange Rating	600	150	
	10	Type of Facing	RF*RF		
MATERIALS (for all items, relevant ASTM code shall be specified by vendor)	11	Body and Bonnet			
	12	Seat and Disk			
	13	Resilient Seat Seal			
	14	Guide and Ring			
	15	Spring			
	16	Bellows			
	17	NACE MR 01-75	Yes		
OPTIONS	18	Cap : Screwed or Bolted	Screwed		
	19	Lever : Plain or Packed	Plain		
	20	Test Gauge	Yes		
	21				
	22				
BASIS	24	Code	API RP 520		
	25	Fire	Yes		
	26	Blocked Outlet	n.a		
	27	Thermal Expansion	n.a		
FLUID DATA	28	Fluid and State	HC / Gas		
	29	Required Capacity (kg/h)	19443		
	30	Mol. Wt.	17.67		
	31	Oper. Pressure	Set Pressure	55	84.6
	32	Oper. Temperature	Rel. Temperature	50	167.2
	33	Back Pressure	Constant		
	34		Variable		
	35		Total		
	36	% Allowable Overpressure	21%		
	37	Overpressure Factor	1.21		
	38	Compressibility Factor	0.92		
	39	Latent Heat of Vaporization (kj/kg)	135		
	40	Ratio of Specific Heats	1.3		
	41	Operating Viscosity, cp	0.014		
	42	Barometric Pressure	0.8		
	43				
44					
	45	Calc. Area sq. in.	0.5		
	46	Selected Area	V.T.A		
	47	Orifice Designation	V.T.A		
	48	Manufacturer	V.T.A		
	49	Model No.	V.T.A		

NOTES :  
V.T.A: Vendor to Advise





Project: **Aghar & Dalan Fields** Item No. \_\_\_\_\_  
Document No. \_\_\_\_\_

Document Title: **PRESSURE SAFETY VALVE DATA SHEET**

GENERAL	1	Tag No.	63-PSV-504 AVE		
	2	Service	AM5 Header		
	3	Line No. / Vessel No.			
	4	Full Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety		
	6	Conv., Bellows, Pilot Op.	Conv.		
	7	Bonnet Type			
CONNECTION	8	Inlet Size	2"	3"	
	9	Flange Rating	2500	300	
	10	Type of Facing	RTJ*300		
MATERIALS (for all items, relevant ASTM code shall be specified by vendor)	11	Body and Bonnet			
	12	Seat and Disk			
	13	Resilient Seat Seal			
	14	Guide and Ring			
	15	Spring			
	16	Bellows			
	17	NACE MR 01-75	Yes		
OPTIONS	18	Cap: Screwed or Bolted	Screwed		
	19	Lever: Plain or Packed	Plain		
	20	Test Gauge	Yes		
	21				
	22				
BASIS	24	Code	API RP 520		
	25	Fire	n.a		
	26	Blocked Outlet	yes		
	27	Thermal Expansion	n.a		
FLUID DATA	28	Fluid and State	HC / Gas		
	29	Required Capacity (kg/h)	45988		
	30	Mol. Wt.	Oper. sp. gr	19.1	
	31	Oper. Pressure	Set Pressure	190	234
	32	Oper. Temperature	Rel. Temperature	58	59.3
	33		Constant		
	34	Back Pressure	Variable		
	35		Total		
	36	% Allowable Overpressure	<10%		
	37	Overpressure Factor	16%		
	38	Compressibility Factor	1.16		
	39	Latent Heat of Vaporization	1		
	40	Ratio of Specific Heats	n.a		
	41	Operating Viscosity, cp	1.26		
	42	Barometric Pressure	0.8		
	43				
44					
	45	Calc. Area sq. in.	0.5		
	46	Selected Area	V.T.A		
	47	Orifice Designation	V.T.A		
	48	Manufacturer	V.T.A		
	49	Model No.	V.T.A		

NOTES :  
V.T.A: Vendor to Advise





Project	Item No.
Agbar & Dalan Fields	
	Document No.

Document Title: PRESSURE SAFETY VALVE DATA SHEET

GENERAL	1	Tag No.	63-PSV-504 B/C/D		
	2	Service	AM5 Header		
	3	Line No. / Vessel No.			
	4	Full Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety		
	6	Conv. Bellows, Pilot Op.	Conv.		
	7	Bonnet Type			
CONNECTION	8	Inlet Size	2"	3"	
	9	Flange Rating	2500	300	
	10	Type of Facing	RTJ*300		
MATERIALS (for all items, relevant ASTM code shall be specified by vendor)	11	Body and Bonnet			
	12	Seat and Disk			
	13	Resilient Seat Seal			
	14	Guide and Ring			
	15	Spring			
	16	Bellows			
	17	NACE MR 01-75	Yes		
OPTIONS	18	Cap : Screwed or Bolted	Screwed		
	19	Lever : Plain or Packed	Plain		
	20	Test Gauge	Yes		
	21				
	22				
BASIS	24	Code	API RP 520		
	25	Fire	n.a		
	26	Blocked Outlet	yes		
	27	Thermal Expansion	n.a		
FLUID DATA	28	Fluid and State	HC / Gas		
	29	Required Capacity (kg/h)	45988		
	30	Mol. Wt.	Oper. sp. gr	19.1	
	31	Oper. Pressure	Set Pressure	190	246/4
	32	Oper. Temperature	Rel. Temperature	58	59.3
	33		Constant		
	34	Back Pressure	Variable		
	35		Total	<10%	
	36	% Allowable Overpressure	16%		
	37	Overpressure Factor	1.16		
	38	Compressibility Factor	1		
	39	Latent Heat of Vaporization	n.a		
	40	Ratio of Specific Heats	1.26		
	41	Operating Viscosity, cp			
	42	Barometric Pressure	0.8		
	43				
	44				
	45	Calc. Area sq. in.	0.5		
	46	Selected Area	V.T.A		
	47	Orifice Designation	V.T.A		
	48	Manufacturer	V.T.A		
	49	Model No.	V.T.A		

NOTES :  
V.T.A. Vendor to Advise





Project: <b>Aghar &amp; Dalan Fields</b>	Item No.:
	Document No.:

Document Title: **PRESSURE SAFETY VALVE DATA SHEET**

GENERAL	1	Tag No.	69-PSV-69 A/B		
	2	Service	ACF Emergency HC Drain		
	3	Line No. / Vessel No.			
	4	Full Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety		
	6	Conv., Bellows, Pilot Op.	Bellows		
	7	Bonnet Type			
CONNECTION	8	Inlet Size	1 1/2"	2"	
	9	Flange Rating	300	150	
	10	Type of Facing	RF*RF		
MATERIALS (for all items, relevant ASTM code shall be specified by vendor)	11	Body and Bonnet			
	12	Seat and Disk			
	13	Resilient Seat Seal			
	14	Guide and Ring			
	15	Spring			
	16	Bellows			
	17	NACE MR 01-75	Yes		
OPTIONS	18	Cap : Screwed or Bolted	Screwed		
	19	Lever : Plain or Packed	Plain		
	20	Test Gauge	Yes		
	21				
	22				
BASIS	24	Code	API RP 520		
	25	Fire	yes		
	26	Blocked Outlet	n.a		
	27	Thermal Expansion	n.a		
FLUID DATA	28	Fluid and State	HC / Gas		
	29	Required Capacity (kg/h)	4152.4		
	30	Mol Wt.	Oper.sp.gr	17.8	
	31	Oper. Pressure	Sat Pressure	30	34
	32	Oper. Temperature	Rel Temperature	50	129.4
	33		Constant		
	34	Back Pressure	Variable		
	35		Total	0	
	36	% Allowable Overpressure	21%		
	37	Overpressure Factor	1.21		
	38	Compressibility Factor	0.96		
	39	Latent Heat of Vaporization	216.5		
	40	Ratio of Specific Heats	1.3		
	41	Operating Viscosity, cp	0.013		
	42	Barometric Pressure	0.8		
	43				
	44				
45	Calc. Area sq. in.	0.29			
46	Selected Area	0.307			
47	Orifice Designation	F			
48	Manufacturer	V.T.A			
49	Model No.	V.T.A			

NOTES :  
V.T.A: Vendor to Advise





Project	Item No.
Agbar & Dalan Fields	
	Document No:

Document Title: **PRESSURE SAFETY VALVE DATA SHEET**

GENERAL	1	Tag No.	67-PSV-861 AB		
	2	Service	ACF Air Receiver		
	3	Line No. / Vessel No.			
	4	Full Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety		
	6	Conv., Bellows, Pilot Op.	Conv.		
	7	Bonnet Type			
CONNECTION	8	Inlet Size	1"	2"	
	9	Outlet Size	150	150	
	10	Flange Rating	RF*RF		
MATERIALS (for all items, relevant ASTM code shall be specified by vendor)	11	Type of Facing			
	12	Body and Bonnet			
	13	Seat and Disk			
	14	Resilient Seat Seal			
	15	Guide and Ring			
	16	Spring			
	17	Bel lows			
OPTIONS	18	NACE MR 01-75	No		
	19	Cap : Screwed or Bolted	Screwed		
	20	Lever : Plain or Packed	Plain		
	21	Test Gauge	Yes		
	22				
BASIS	23				
	24	Code	API RP 520		
	25	Fire	n.a		
	26	Blocked Outlet	Yes		
FLUID DATA	27	Thermal Expansion	n.a		
	28	Fluid and State	Air / Gas		
	29	Required Capacity (Kg/h)	364.5		
	30	Mol Wt	Oper.sp.gr	29	1
	31	Oper. Pressure	Set Pressure	8	10
	32	Oper. Temperature	Rel. Temperature	30	62
	33	Back Pressure	Constant	ATM	
	34		Variable		
	35		Total		
	36	% Allowable Overpressure	10%		
	37	Overpressure Factor	1.1		
	38	Compressibility Factor	0.99		
	39	Latent Heat of Vaporization	n.a		
	40	Ratio of Specific Heats	1.4		
41	Operating Viscosity, cp				
42	Barometric Pressure	0.9			
43					
44					
	45	Calc. Area sq. in.	0.06		
	46	Selected Area	0.11		
	47	Orifice Designation	D		
	48	Manufacturer	V.T.A		
	49	Model No.	V.T.A		

NOTES :  
V.T.A: Vendor to Advise





Project: <b>Aghar &amp; Dalan Fields</b>	Item No.:
	Document No.:

Document Title: **PRESSURE SAFETY VALVE DATA SHEET**

GENERAL	1	Tag No.	67-PSV-660 A/B		
	2	Service	ACF Fuel Gas K.O. Drum		
	3	Line No. / Vessel No.			
	4	Fall Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety		
	6	Conv., Bellows, Pilot Op.	Bellows		
	7	Bonnet Type			
CONNECTION	8	Inlet Size	Outlet Size	1 1/2"      3"	
	9	Flange Rating	150	150	
	10	Type of Facing	RF*RF		
MATERIALS (for all items, relevant ASTM code shall be specified by vendor)	11	Body and Bonnet			
	12	Seat and Disk			
	13	Resilient Seat Seal			
	14	Guide and Ring			
	15	Spring			
	16	Bellows			
	17	NACE MR 01-75	Yes		
OPTIONS	18	Cap : Screwed or Bolted	Screwed		
	19	Lever : Plain or Packed	Plain		
	20	Test Gauge	Yes		
	21				
	22				
BASIS	24	Code	API RP 520		
	25	Fire	n.a		
	26	Blocked Outlet	yes		
	27	Thermal Expansion	n.a		
FLUID DATA	28	Fluid and State	HC / Gas		
	29	Required Capacity (kg/h)	1847.9		
	30	Mol.Wt.	Oper. sp. gr.	17.66	0.59
	31	Oper. Pressure	Set Pressure	5.54	6.5
	32	Oper. Temperature	Rel. Temperature	25	25
	33		Constant		
	34	Back Pressure	Variable	0.14	
	35		Total		
	36	% Allowable Overpressure	10%		
	37	Overpressure Factor	1.10		
	38	Compressibility Factor	0.98		
	39	Latent Heat of Vaporization	n.a		
	40	Ratio of Specific Heats	1.3		
	41	Operating Viscosity, cp	0.011		
	42	Barometric Pressure	0.8		
	43				
44					
	45	Calc. Area sq. in.	0.55		
	46	Selected Area	0.785		
	47	Orifice Designation	H		
	48	Manufacturer	V.T.A		
	49	Model No.	V.T.A		

NOTES :  
V.T.A: Vendor to Advise





Project: <b>Aghar &amp; Dalan Fields</b>	Item No.
	Document No.

Document Title: **PRESSURE SAFETY VALVE DATA SHEET**

<b>GENERAL</b>	1	Tag No.	67-PSV-167&168		
	2	Service	ACF Diesel Oil Loading Pump		
	3	Line No. / Vessel No.			
	4	Full Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety		
	6	Convt., Bellows, Pilot Op.	Conventional		
	7	Bonnet Type			
<b>CONNECTION</b>	8	Inlet Size	1 1/2"	2"	
	9	Flange Rating	NPT	NPT	
	10	Type of Facing	FEMALE*FEMALE		
<b>MATERIALS</b> (for all items, relevant ASTM code shall be specified by vendor)	11	Body and Bonnet			
	12	Seat and Disk			
	13	Resilient Seat Seal			
	14	Guide and Ring			
	15	Spring			
	16	Bellows			
	17	NACE MR 01-75	No		
<b>OPTIONS</b>	18	Cap : Screwed or Bolted	Screwed		
	19	Lever : Plain or Packed	Plain		
	20	Test Gauge	Yes		
	21				
	22				
<b>BASIS</b>	24	Code	API RP 520		
	25	Fire	n.a		
	26	Blocked Outlet	Yes		
	27	Thermal Expansion	n.a		
<b>FLUID DATA</b>	28	Fluid and State	Diesel Oil / Liquid		
	29	Required Capacity (m3/h)	20		
	30	Mol.Wt.	Oper.sp.gr	0.87	
	31	Oper.Pressure	Set Pressure	2.77	3.45
	32	Oper.Temperature	Rel.Temperature	20	20
	33		Constant	1.2	
	34	Back Pressure	Variable		
	35		Total		
	36	% Allowable Overpressure	10%		
	37	Overpressure Factor	1.1		
	38	Compressibility Factor			
	39	Latent Heat of Vaporization	n.B		
	40	Ratio of Specific Heats			
	41	Operating Viscosity, cp	22		
	42	Barometric Pressure	0.8		
	43				
44					
	45	Calc. Area sq. in.	0.4		
	46	Selected Area	V.T.A		
	47	Orifice Designation	V.T.A		
	48	Manufacturer	V.T.A		
	49	Model No.	V.T.A		

NOTES :  
V.T.A: Vendor to Advise





Project: <b>Aghar &amp; Dalan Fields</b>	Item No.:
	Document No.:

Document Title: **PRESSURE SAFETY VALVE DATA SHEET**

GENERAL	1	Tag No.	PSV-1901		
	2	Service	DTP Methanol Injection (1900 Station)		
	3	Line No. / Vessel No.			
	4	Full Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety or Relief		
	6	Conv., Bellows, Pilot Op.	Conv.		
	7	Bonnet Type			
CONNECTION	8	Inlet Size	1/2"	1/2"	
	9	Outlet Size	1500	300	
	10	Flange Rating	RF*RF		
MATERIALS (for all items, relevant ASTM code shall be specified by vendor)	11	Type of Facing			
	12	Body and Bonnet			
	13	Seat and Disk			
	14	Resilient Seat Seal			
	15	Guide and Ring			
	16	Spring			
	17	Bellows			
OPTIONS	18	NACE MR 01-75	No		
	19	Cap : Screwed or Bolted	Screwed		
	20	Lever : Plain or Packed	Plain		
	21	Test Gauge	Yes		
	22				
	23				
BASIS	24	Code	API RP 520		
	25	File	n.a		
	26	Blocked Outlet	Yes		
	27	Thermal Expansion	n.a		
FLUID DATA	28	Fluid and State	Methanol / Liquid		
	29	Required Capacity (m3/h)			
	30	Mol. Wt.	Oper. sp. gr	0.78	
	31	Oper. Pressure	Set Pressure *	100-120	136.5
	32	Oper. Temperature	Rel. Temperature	25	38
	33		Constant	atm	
	34	Back Pressure	Variable		
	35		Total	atm	
	36	% Allowable Overpressure	10%		
	37	Overpressure Factor	1.1		
	38	Compressibility Factor			
	39	Latent Heat of Vaporization	n.a		
	40	Ratio of Specific Heats			
	41	Operating Viscosity cp	0.5		
	42	Barometric Pressure	0.8		
	43				
	44				
	45	Calc. Area sq. in.	V.T.A		
	46	Selected Diameter (mm)	8		
	47	Orifice Designation	V.T.A		
	48	Manufacturer	V.T.A		
	49	Model No.	V.T.A		

NOTES :

V.T.A: Vendor to Advise

\* HP: 413.8 LP: 314.5 barg





Project: **Aghar & Dalan Fields** Item No. \_\_\_\_\_  
Document No. \_\_\_\_\_

Document Title: **PRESSURE SAFETY VALVE DATA SHEET**

GENERAL	1	Tag No.	03-PSV-881 A/B	
	2	Service	DTP Hot Oil Outlet	
	3	Line No. / Vessel No.		
	4	Full Nozzle / Semi Nozzle	Semi Nozzle	
	5	Safety or Relief	Safety or Relief	
	6	Conv., Bellows, Pilot Op.	Conv.	
	7	Bonnet Type		
CONNECTION	8	Inlet Size	1 1/2"	2"
	9	Flange Rating	300	150
	10	Type of Facing	RF*RF	
MATERIALS (for all items, relevant ASTM code shall be specified by vendor)	11	Body and Bonnet		
	12	Seat and Disk		
	13	Resilient Seat Seal		
	14	Guide and Ring		
	15	Spring		
	16	Bellows		
	17	NACE MR 01-75	No	
OPTIONS	18	Cap: Screwed or Bolted	Screwed	
	19	Lever: Plain or Packed	Plain	
	20	Test Gauge	YES	
	21			
	22			
BASIS	24	Code	API RP 520	
	25	Firo	n.a	
	26	Blocked Outlet	n.a	
	27	Thermal Expansion	Yes	
FLUID DATA	28	Fluid and Stato	Hot Oil / Liquid	
	29	Required Capacity (m3/h)	9.4	
	30	Mol. Wt.	Oper. sp.gr	0.85
	31	Oper. Pressure	Set Pressure	12
	32	Oper. Temperature	Rel. Temperature	220 343
	33	Back Pressure	Constant	2.1
	34		Variable	
	35		Total	
	36	% Allowable Overpressure	10%	
	37	Overpressure Factor	1.1	
	38	Compressibility Factor		
	39	Latent Heat of Vaporization	n.a	
	40	Ratio of Specific Heats		
	41	Operating Viscosity, cp		
	42	Barometric Pressure	0.8	
	43			
44				
45	Calc. Area sq. in.	0.2		
46	Selected Area	V.T.A		
47	Orifice Designation	V.T.A		
48	Manufacturer	V.T.A		
49	Model No.	V.T.A		

NOTES :  
V.T.A: Vendor to Advise





Project: **Aghar & Dalan Fields** Item No. \_\_\_\_\_  
Document No. \_\_\_\_\_

Document Title: **PRESSURE SAFETY VALVE DATA SHEET**

GENERAL	1	Tag No.	63-PSV-104 A to H		
	2	Service	AM1 Header		
	3	Line No. / Vessel No.			
	4	Full Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety		
	6	Conv., Bellows, Pilot Op.	Conv.		
	7	Bonnet Type			
CONNECTION	8	Inlet Size	1 1/2"	2 1/2"	
	9	Flange Rating	2500	300	
	10	Type of Facing	RTJ*RF		
MATERIALS (for all items, relevant ASTM code shall be specified by vendor)	11	Body and Bonnet			
	12	Seat and Disk			
	13	Resilient Seat Seal			
	14	Guide and Ring			
	15	Spring			
	16	Bellows			
	17	NACE MR 01-75	Yes		
OPTIONS	18	Cap: Screwed or Bolted	Screwed		
	19	Lever: Plain or Packed	Plain		
	20	Test Gauge	YES		
	21				
	22				
	23				
BASIS	24	Code	API RP 520		
	25	Fire	n.a		
	26	Blocked Outlet	yes		
	27	Thermal Expansion	n.a		
FLUID DATA	28	Fluid and State	HC / Gas		
	29	Required Capacity (kg/h)	34000		
	30	Mol. Wt.	Oper. sp. gr	19.1	
	31	Oper. Pressure	Set Pressure	190	262.8
	32	Oper. Temperature	Rel. Temperature	60	78
	33		Constant		
	34	Back Pressure	Variable		
	35		Total	<10%	
	36		% Allowable Overpressure	16%	
	37	Overpressure Factor	1.16		
	38	Compressibility Factor	1		
	39	Latent Heat of Vaporization	n.a		
	40	Ratio of Specific Heats	1.26		
	41	Operating Viscosity, cp			
	42	Barometric Pressure	0.8		
	43				
44					
	45	Calc. Area sq. in.	0.3		
	46	Selected Area	V.T.A		
	47	Orifice Designation	V.T.A		
	48	Manufacturer	V.T.A		
	49	Model No.	V.T.A		

NOTES :  
V.T.A: Vendor to Advise





Project: <b>Aghar &amp; Dalan Fields</b>	Item No.:
	Document No.:

Document Title: **PRESSURE SAFETY VALVE DATA SHEET**

<b>GENERAL</b>	1	Tag No.	01-PSV-006 A/B/C/D		
	2	Service	DTP Aghar Slug Catcher		
	3	Line No. / Vessel No.			
	4	Full Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety		
	6	Conv., Bellows, Pilot Op.	Bellows		
	7	Bonnet Type			
<b>CONNECTION</b>	8	Inlet Size	3"	6"	
	9	Flange Rating	900	150	
	10	Type of Facing	RF*RF		
<b>MATERIALS</b> (for all items, relevant ASTM code shall be specified by vendor)	11	Body and Bonnet			
	12	Seat and Disk			
	13	Resilient Seat Seal			
	14	Guide and Ring			
	15	Spring			
	16	Bellows			
	17	NACE MR 01-75	Yes		
<b>OPTIONS</b>	18	Cap: Screwed or Bored	Screwed		
	19	Lever: Plain or Packed	Plain		
	20	Test Gauge	YES		
	21				
	22				
<b>BASIS</b>	24	Code	API RP 520		
	25	Fire	n.a		
	26	Blocked Outlet	yes		
	27	Thermal Expansion	n.a		
<b>FLUID DATA</b>	28	Fluid and State	HC / Gas		
	29	Required Capacity (kg/h)	117268		
	30	Mol. Wt.	Oper. sp. gr.	17.95	
	31	Oper. Pressure	Set Pressure	100-120	139.6
	32	Oper. Temperature	Rel. Temperature	35	51.6
	33	Back Pressure	Constant		
	34		Variable	5.2	
	35		Total		
	36	% Allowable Overpressure	10%		
	37	Overpressure Factor	1.1		
	38	Compressibility Factor	0.89		
	39	Latent Heat of Vaporization	n.a		
	40	Ratio of Specific Heats	1.3		
	41	Operating Viscosity, cp			
	42	Barometric Pressure	0.8		
43					
44					
	45	Calc. Area sq. in.	1.8		
	46	Selected Area	V.T.A		
	47	Orifice Designation	V.T.A		
	48	Manufacturer	V.T.A		
	49	Model No.	V.T.A		

NOTES:  
V.T.A: Vendor to Advise





Project: <b>Aghar &amp; Dalan Fields</b>	Item No.
	Document No.

Document Title: **PRESSURE SAFETY VALVE DATA SHEET**

GENERAL	1	Tag No.	69-PSV-063A/D/E/F/G/H/I/J		
	2	Service	ACF Slug Catcher		
	3	Line No. / Vessel No.			
	4	Full Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety		
	6	Cdrv., Bellows, Pilot Op.	Bellows		
	7	Bonnet Type			
CONNECTION	8	Inlet Size	2"	3"	
	9	Flange Rating	1500	300	
	10	Type of Facing	RTJ*RF		
MATERIALS (for all items, relevant ASTM code shall be specified by vendor)	11	Body and Bonnet			
	12	Seat and Disk			
	13	Resilient Seat Seal			
	14	Guide and Ring			
	15	Spring			
	16	Bellows			
	17	NACE MR 01-75	Yes		
OPTIONS	18	Cap : Screwed or Bolted	Screwed		
	19	Lever : Plain or Packed	Plain		
	20	Test Gauge	YES		
	21				
	22				
BASIS	24	Code	API RP 520		
	25	Fire	n.a		
	26	Blocked Outlet	yes		
	27	Thermal Expansion	n.a		
FLUID DATA	28	Fluid and State	HC / Gas		
	29	Required Capacity (kg/h)	46000		
	30	Mol. Wt.	Oper. sp.gr	18.18	
	31	Oper. Pressure	Sat Pressure	165	232
	32	Oper. Temperature	Rct. Temperature	55	58.3
	33		Constant		
	34	Back Pressure	Variable		
	35		Total		
	36	% Allowable Overpressure	16%		
	37	Overpressure Factor	1.16		
	38	Compressibility Factor	0.92		
	39	Latent Heat of Vaporization	n.a		
	40	Ratio of Specific Heats	1.29		
	41	Operating Viscosity, cp			
	42	Barometric Pressure	0.8		
43					
44					
	45	Calc. Area sq. in.	0.46		
	46	Selected Area	V.T.A		
	47	Orifice Designation	V.T.A		
	48	Manufacturer	V.T.A		
	49	Model No.	V.T.A		

NOTES :  
V.T.A. Vendor to Advise





Project: <b>Agbar &amp; Dalan Fields</b>	Item No.
	Document No.

Document Title: **PRESSURE SAFETY VALVE DATA SHEET**

GENERAL	1	Tag No.	63-PSV-404 A to E		
	2	Service	AM4 Header		
	3	Line No. / Vessel No.			
	4	Full Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety		
	6	Conv., Bellows, Pilot Op.	Conv.		
	7	Bonnet Type			
CONNECTION	8	Inlet Size	2"	3"	
	9	Flange Rating	2500	300	
	10	Type of Facing	RTJ*RF		
MATERIALS (for all items, relevant ASTM code shall be specified by vendor)	11	Body and Bonnet			
	12	Seat and Disk			
	13	Resilient Seat Seal			
	14	Guide and Ring			
	15	Spring			
	16	Bellows			
	17	NACE MR 01-75	Yes		
OPTIONS	18	Cap : Screwed or Bolted	Screwed		
	19	Lever : Plain or Packed	Plain		
	20	Test Gaugs	YES		
	21				
	22				
BASIS	24	Code	API RP 520		
	25	Fire	n.a		
	26	Blocked Outlet	yes		
	27	Thermal Expansion	n.a		
FLUID DATA	28	Fluid and State	HC / Gas		
	29	Required Capacity (kg/h)	45947		
	30	Mol Wt	Oper. sp gr	19.1	
	31	Oper. Pressure	Set Pressure	190	234
	32	Oper. Temperature	Rel. Temperature	60	77.6
	33	Back Pressure	Constant		
	34		Variable		
	35		Total	<10%	
	36	% Allowable Overpressure	16%		
	37	Overpressure Factor	1.18		
	38	Compressibility Factor	1		
	39	Latent Heat of Vaporization	n.a		
	40	Ratio of Specific Heats	1.26		
	41	Operating Viscosity, cp			
42	Barometric Pressure	0.8			
43					
44					
	45	Calc. Area sq. in.	0.5		
	46	Selected Area	V.T.A		
	47	Orifice Designation	V.T.A		
	48	Manufacturer	V.T.A		
	49	Model No.	V.T.A		

NOTES :  
V.T.A. Vendor to Advise





Project: <b>Aghar &amp; Dalan Fields</b>	Item No.
	Document No.

Document Title: **PRESSURE SAFETY VALVE DATA SHEET**

GENERAL	1	Tag No.	69-PSV-063B/C		
	2	Service	ACF Slug Catcher		
	3	Line No. / Vessel No.			
	4	Full Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety		
	6	Conv., Bellows, Pilot Op.	Bellows		
	7	Bonnet Type			
CONNECTION	8	Inlet Size	2"	3"	
	9	Flange Rating	1500	300	
	10	Type of Facing	RTJ*RF		
MATERIALS (for all items, relevant ASTM code shall be specified by vendor)	11	Body and Bonnet			
	12	Seat and Disk			
	13	Resilient Seat Seal			
	14	Guide and Ring			
	15	Spring			
	16	Bellows			
	17	NACE MR 01-75	Yes		
OPTIONS	18	Cap : Screwed or Bolted	Screwed		
	19	Lever : Plain or Packed	Plain		
	20	Test Gauge	YES		
	21				
	22				
BASIS	24	Code	API RP 520		
	25	Fire	n.a		
	26	Blocked Outlet	yes		
	27	Thermal Expansion	n.a		
FLUID DATA	28	Fluid and State	HC / Gas		
	29	Required Capacity (kg/h)	46000		
	30	Mol. Wt.	Oper. sp. gr	18.18	
	31	Order Pressure	Set Pressure	165	221
	32	Order Temperature	Rel. Temperature	55	58.3
	33		Constant		
	34	Back Pressure	Variable		
	35		Total		
	36	% Allowable Overpressure	16%		
	37	Overpressure Factor	1.16		
	38	Compressibility Factor	0.92		
	39	Latent Heat of Vaporization	n.a		
	40	Ratio of Specific Heats	1.29		
	41	Operating Viscosity, cp			
	42	Barometric Pressure	0.8		
43					
44					
	45	Calc. Area sq. in.	0.45		
	46	Selected Area	V.T.A		
	47	Orifice Designation	V.T.A		
	48	Manufacturer	V.T.A		
	49	Model No.	V.T.A		

NOTES :  
V.T.A: Vendor to Advise





South Zagros Oil & Gas  
Production Company  
(SZOGPC)

IT. 20

Project:

Aghur & Dalan Fields

Item No.

Document No.

Document Title: PRESSURE SAFETY VALVE DATA SHEET

GENERAL	1	Tag No.	53-PSV-X72, X75 X: 1,2,3		
	2	Service	Dolan Manifold Methanol Package		
	3	Line No. / Vessel No.			
	4	Full Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety		
	6	Conv., Bellows, Pilot Op.	Conv.		
	7	Bonnet Type			
CONNECTION	8	Inlet Size	1"	1"	
	9	Flange Rating	2500	300	
	10	Type of Facing	RTJ*RF		
MATERIALS (for all items, relevant ASTM code shall be specified by vendor)	11	Body and Bonnet			
	12	Seat and Disk			
	13	Resilient Seat Seal			
	14	Guide and Ring			
	15	Spring			
	16	Bellows			
	17	NACE MR 01-75	No		
OPTIONS	18	Cap: Screwed or Bolted	Screwed		
	19	Lever: Plain or Packed	Plain		
	20	Test Gauge	YES		
	21				
	22				
BASIS	24	Code	API RP 520		
	25	Fire	n.a		
	26	Blocked Outlet	Yes		
	27	Thermal Expansion	n.a		
FLUID DATA	28	Fluid and State	Methanol / Liquid		
	29	Required Capacity (m <sup>3</sup> /h)			
	30	Mol. Wt.	Oper. sp gr	0.78	
	31	Oper. Pressure	Set Pressure	140	189
	32	Oper. Temperature	Rel. Temperature	25	25
	33		Constant	atm	
	34	Back Pressure	Variable		
	35		Total	atm	
	36	% Allowable Overpressure	10%		
	37	Overpressure Factor	1.1		
	38	Compressibility Factor			
	39	Latent Heat of Vaporization	n.a		
	40	Ratio of Specific Heats			
	41	Operating Viscosity cp	0.5		
	42	Barometric Pressure	0.8		
	43				
44					
	45	Calc. Area sq. in.	V.T.A		
	46	Selected Diameter (mm)	8		
	47	Orifice Designation	V.T.A		
	48	Manufacturer	V.T.A		
	49	Model No.	V.T.A		

NOTES:

V.T.A: Vendor to Advise





Project	Item No.
Aghar & Dahan Fields	
	Document No.

Document Title: PRESSURE SAFETY VALVE DATA SHEET

GENERAL	1	Tag No.	53-PSV-X82,X85 X: 1,2,3		
	2	Service	Dahan Manifold Cor. Inhi. Package		
	3	Line No. / Vessel No.			
	4	Full Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety		
	6	Conv., Bellows, Pilot Op.	Conv.		
	7	Bonnet Type			
CONNECTION	8	Inlet Size	1"	1"	
	9	Flange Rating	2500	150	
	10	Type of Facing	RTJ'RF		
MATERIALS (for all items, relevant ASTM code shall be specified by vendor)	11	Body and Bonnet			
	12	Seat and Disk			
	13	Resilient Seat Seal			
	14	Guide and Ring			
	15	Spring			
	16	Bellows			
	17	NACE MR 01-75	No		
OPTIONS	18	Cap : Screwed or Bolted	Screwed		
	19	Lever : Plain or Packad	Plain		
	20	Test Gauge	YES		
	21				
	22				
BASIS	24	Code	API RP 520		
	25	Fire	n.a		
	26	Blocked Outlet	Yes		
	27	Thermal Expansion	n.a		
FLUID DATA	28	Fluid and State	Corrosion Inhibitor / Liquid		
	29	Required Capacity (m3/h)			
	30	Mol.Wt.	Oper.sp.gr	0.85	
	31	Oper. Pressure	Set Pressure	140	180
	32	Oper. Temperature	Rel. Temperature	25	25
	33		Constant	atm	
	34	Back Pressure	Variable		
	35		Total	atm	
	36	% Allowable Overpressure	10%		
	37	Overpressure Factor	1.1		
	38	Compressibility Factor			
	39	Latent heat of Vaporization	n.a		
	40	Ratio of Specific Heats			
	41	Operating Viscosity, cp	3		
	42	Barometric Pressure	0.8		
43					
44					
	45	Calc. Area sq. in.	V.T.A		
	46	Selected Diameter(mm)	8		
	47	Orifice Designation	V.T.A		
	48	Manufacturer	V.T.A		
	49	Model No.	V.T.A		

NOTES :  
V.T.A: Vendor to Advise





South Zagros Oil & Gas Production  
Company  
(SZOGPC)

1722

Project:

Aghar & Dalan Fields

Item No.

Document No.

Document Title: PRESSURE SAFETY VALVE DATA SHEET

GENERAL	1	Tag No.		PSV-2-X06/X06/X107/X110/X111 (X from		
	2	Service		DTP Glycol Filters		
	3	Line No. / Vessel No.				
	4	Full Nozzle / Semi Nozzle		Semi Nozzle		
	5	Safety or Relief		Safety or Relief		
	6	Conv., Bellows, Pilot Op.		Conv.		
	7	Bonnet Type				
CONNECTION	8	Inlet Size	Outlet Size	3/4"	1"	
	9	Flange Rating		300	300	
	10	Type of Facing		RF*RF		
MATERIALS (For all items, relevant ASTM code shall be specified by vendor)	11	Body and Bonnet				
	12	Seat and Disk				
	13	Resilient Seat Seal				
	14	Guide and Ring				
	15	Spring				
	16	Bellows				
	17	NADE MR 01-75		No		
OPTIONS	18	Cap - Screwed or Bolted		Screwed		
	19	Lever - Plain or Packed		Plain		
	20	Test Gauge		YES		
	21					
	22					
BASIS	24	Code		API RP 520		
	25	Fire		n.a		
	26	Blocked Outlet		n.a		
	27	Thermal Expansion		Yes		
FLUID DATA	28	Fluid and State		Glycol / Liquid		
	29	Required Capacity (m3/h)		2		
	30	Mol. Wt.	Oper sp.gr		1.02	
	31	Oper. Pressure	Set Pressure	2.5-4	5	
	32	Oper. Temperature	Rel. Temperature	40-88	105	
	33			Constant		
	34	Back Pressure			ATM	
	35				Variable	
	36	% Allowable Overpressure		10%		
	37	Overpressure Factor		1.1		
	38	Compressibility Factor				
	39	Latent Heat of Vaporization		n.s		
	40	Ratio of Specific Heats				
	41	Operating Viscosity, cp		18		
42	Barometric Pressure		0.8			
43						
44						
	45	Calc. Area sq. in.		V.T.A		
	46	Selected Diameter (mm)		8		
	47	Orifice Designation		V.T.A		
	48	Manufacturer		V.T.A		
	49	Model No.		V.T.A		

NOTES:

V.T.A: Vendor to Advise





Project  
Aghar & Dalan Fields

Item No.

Document No.

Document Title: PRESSURE SAFETY VALVE DATA SHEET

GENERAL	1	Tag No.	PSV-2-X01/X02 (X from 1 to 6)		
	2	Service	DTP Return Glycol to Still Column		
	3	Line No. / Vessel No.			
	4	Full Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety or Relief		
	6	Convl. Bellows, Pilot Op.	Bellows		
	7	Bonnet Type			
CONNECTION	8	Inlet Size	Outlet Size		
	9	Flange Rating	4"	6"	
	10	Type of Facing	300	300	
MATERIALS (For all items, relevant ASTM code shall be specified by vendor)	11	Body and Bonnet	RF*RF		
	12	Seal and Disk			
	13	Resilient Seat Seal			
	14	Guide and Ring			
	15	Spring			
	16	Bellows			
	17	NACE MR 01-75			
OPTIONS	18	Cap: Screwed or Bolted	No		
	19	Lever: Plain or Packed	Screwed		
	20	Test Gauge	Plain		
	21		yes		
	22				
BASIS	24	Code	API RP 520		
	25	Fire	n.a		
	26	Blocked Outlet	yes		
	27	Thermal Expansion	n.a		
FLUID DATA	28	Fluid and State	Glycol / Liquid		
	29	Required Capacity (kg/h)	51575		
	30	Mol.Wt.	Oper sp.gr		
	31	Oper. Pressure	Set Pressure	1.06	
	32	Oper. Temperature	Rel. Temperature	4	6
	33			40	53
	34	Back Pressure	Constant		
	35		Variable	2.4	
	35		Total		
	36	% Allowable Overpressure	10%		
	37	Overpressure Factor	1.1		
	38	Compressibility Factor	n.a		
	39	Latent Heat of Vaporization			
	40	Ratio of Specific Heats			
	41	Operating Viscosity, cp	18		
42	Barometric Pressure	0.8			
43					
44					
45	Calc. Area sq. in.	3.03			
46	Selected Area	V.T.A			
47	Orifice Designation	V.T.A			
48	Manufacturer	V.T.A			
49	Model No.	V.T.A			

NOTES:  
T.A: Vendor to Advise





Project:  
Aghar & Dahan Fields

Item No:

Document No:

Document Title: PRESSURE SAFETY VALVE DATA SHEET

GENERAL	1	Tag No.	PSV-2-X03/X04 (X from 1 to 6)		
	2	Service	DTP Glycol Flash Tank		
	3	Line No. / Vessel No.			
	4	Full Nozzle / Semi Nozzle	Semi Nozzle		
	5	Safety or Relief	Safety or Relief		
	6	Conv., Bellows, Pilot Op.	Conv.		
	7	Boonet Type			
CONNECTION	8	Inlet Size	Outlet Size		
	9	Flange Rating	1 1/2"	2 1/2"	
	10	Type of Facing	300	300	
MATERIALS (For all items, relevant ASTM code shall be indicated by Vendor)	11	Body and Boonet	RF*RF		
	12	Seat and Disk			
	13	Resilient Seat Seal			
	14	Guide and Ring			
	15	Spring			
	16	Bellows			
	17	NACE MR 01-75	No		
	OPTIONS	18	Cap: Screwed or Bolted	Screwed	
19		Lever: Plain or Packed	Plain		
20		Test Gauge	Yes		
21					
22					
BASIS	24	Code	API RP 520		
	25	File	n.a		
	26	Blacked Outlet	Yes		
	27	Thermal Expansion	n.a		
PROPERTY DATA	28	Fluid and State	n.a		
	29	Required Capacity (kg/h)	HC/Gas		
	30	Mol Wt.	1210		
	31	Oper. Pressure	Oper. sp	22	
			Set Pressure	3	5
	32	Oper. Temperature	Rel. Temperature	95	65
				ATM	
	34	Back Pressure	Constant		
			Variable		
			Total		
	36	% Allowable Over-pressure	10%		
	37	Overpressure Factor	1:1		
	38	Compressibility Factor	0.9		
	39	Latent Heat of Vaporization	n.a		
	40	Ratio of Specific Heats	1.2		
	41	Operating Viscosity, cp			
	42	Barometric Pressure	0.8		
43					
44					
	45	Calc. Area sq. in.	0.45		
	46	Selected Area	V.T.A		
	47	Orifice Designation	V.T.A		
	48	Manufacturer	V.T.A		
	49	Model No.	V.T.A		

NOTES:  
\*A: Vendor to Advise





South Zapsa Oil & Gas Production  
Company  
(SZOGPC)

IT.25

Project:

Item No.

Agbar & Dahan Fields

Document No.

Document Title: **PRESSURE SAFETY VALVE DATA SHEET**

GENERAL	1	Tag No.	02-PSV-X08,X09 (X from 1 to 6)	
	2	Service	DTP Glycol Circulation Pumps	
	3	Line No. / Vessel No.		
	4	Full Nozzle / Semi Nozzle	Semi Nozzle	
	5	Safety or Relief	Safety or Relief	
	6	Conv., Bellows, Pilot Op.	Conv.	
	7	Bonnet Type		
CONNECTION	8	Inlet Size	1"	1"
	9	Flange Rating	1500	150
	10	Type of Facing	RTJ*RF	
MATERIALS (For all items, relevant ASTM code shall be specified by vendor)	11	Body and Bonnet		
	12	Seat and Disk		
	13	Resilient Seat Seal		
	14	Guide and Ring		
	15	Spring		
	16	Bellows		
	17	NACE MR 01-75	No	
OPTIONS	18	Cap : Screwed or Bolted	Screwed	
	19	Lever : Plain or Packed	Plain	
	20	Test Gauge	Yes	
	21			
	22			
BASIS	24	Code	API RP 520	
	25	Fire	n.a	
	26	Blocked Outlet	Yes	
	27	Thermal Expansion	n.a	
FLUID DATA	28	Fluid and State	Glycol / Liquid	
	29	Required Capacity (kgm)	15400	
	30	Mol.Wt.	Oper. sp.gr	1.06
	31	Oper. Pressure	Set Pressure	130
	32	Oper. Temperature	Rel. Temperature	80
	33			90
	34	Back Pressure	Constant	2.4
	35		Variable	
	36		Total	2.4
	37	% Allowable Overpressure	10%	
	38	Overpressure Factor	1.1	
	39	Compressibility Factor	n.a	
	40	Latent Heat of Vaporization	n.a	
	41	Ratio of Specific Heats	n.a	
	42	Operating Viscosity, cp	18	
43	Barometric Pressure	0.8		
44				
45	Calc. Area sq. in.	0.1		
46	Selected Area	V.T.A		
47	Orifice Designation	V.T.A		
48	Manufacturer	V.T.A		
49	Model No.	V.T.A		

NOTES :  
V.T.A: Vendor to Advise