

General Data	1	Tag No.		Case		72-MOV-122			
	2	Service		P&ID No.		JET FROM TRT-3 TO COLONIAL 8		F3-3400-0395	
	3	Line No.		Piping class		083P-0001-16"-G1A-3-N		150	
	4	Line Size		Line Schedule		16 in		STD	
	5	Line Material				Carbon Steel			
	6								
Operating Conditions	7	Fluid		Phase		State		JET	
	8	Press.	Min.	Norm.	Max.	Units			Single phase
	9	Temp.	Min.	Norm.	Max.	Units	115		°F
	10	Max.DP Closed Valve				265		psi	
	11	Oper. time open to close				60 sec			
	12	Oper. time close to open				60 sec			
	13	Operation				Open/Close/Stop			
Valve Details	14	Valve type		Model		Butterfly Short pattern		30,000 Series	
	15	Valve end connection		Rating		Double Flange		150 ANSI RF	
	16	Code				By vendor			
	17	Valve tightness				FCI 70-2, class IV			
	18	Seat Material / Stem Material				Stellite 21/UNS S41000			
	19	Body Material / Disc Material		Material detail		ASTM A216 WCC / CS		By vendor	
	20	Line mounting				Valve Stem in Vertical up Position & actuator motor in Hor.			
Torque	21	Mechanical handwheel				Yes			
	22	Allowable torque Maxi.				By vendor			
	23	Rated	Seating	Starting			By vendor	By vendor	By vendor
Electrical	24	Area classification				Class I, Division 2, Group C,D			
	25	Electrical protection Class				NEMA 4X			
	26	Rated voltage		Power		480 VAC/ 3 Phase		By vendor	
	27	Current start		Average		By vendor		By vendor	
	28	Full load current				By vendor			
	29	Motor insulation class				Class F			
	30	Motor temp. rise				Class B			
Accessories	31	Actuator model				Q4G2-3			
	32	Integrated starter				Yes			
	33	Motor thermal protect.				Yes			
	34	Phase discriminator				By vendor			
	35	Torque protection				By vendor			
	36	Communication				Hard Wired			
	37	Limit Switch	Open	Close	Yes (72-ZSO-122)		Yes (72-ZSC-122)		
Local Station	38	Position Potentiometer				N/A			
	39	On valve				Yes			
Remote Controls	40	Remote				N/A			
	41	Remote control				Yes			
Power Cable	42	Remote indication				Yes			
	43	Cable type							
Control Cable	44	Diam. seal	Overall						
	45	Cable type							
Loc. stat. Cable	46	Diam. Seal	Overall						
	47	Cable type							
	48	Diam. seal	Overall						
	49	Cable gland type							
Purchase	50	Valve Mfr.		Model No.		VANESSA		30,000 Series	
	51	Actuator Mfr.		Serial Number		EIM_M2CP		By vendor	
	52	Client Reference	Requisition No.	Item					
	53	Material Code							

Notes: See notes

						INSTRUMENT SPECIFICATION		
						Motorized valve		
0	LG	NP	PB	2/1/2019	Issued for Purchase ( IFP)			
B	LG	RR	NP	10/17/2018	Issued for Quote ( IFQ)			
A	LG	RR	NP	10/2/2018	Issued for Quote ( IFQ)			
No.	By	Chkd	Appr	Date	Revision	Code: 211	Doc No.: H269-0000-INST-T-TDS-72MOV122	Rev.: 0

Tag Number : 72-MOV-122

1.- Vendor shall provide nameplate with equipment identification number, valve service as specified on this datasheet, Manufacturer's name, model, serial number, area electrical classification, Operator type, voltage, frequency, phase, and rated hp, as applicable, maximum design differential pressure and maximum seating torque. Valve body will be label with equipment identification number (tag number), Manufacturer name, model, serial number, operating range, materials of parts exposed to process fluid, size (body and inner valve), and flow capacity (Cv). Nameplate material shall be SS shall be attached by fastenings made of the same material as that of the plates.

2.- Individual integral pushbuttons, or single three-way pushbutton with twist action, shall also be provided, when specified, for OPEN-STOP-CLOSE operation of the valve and for maintenance purposes.

3.- Supplier to comply client specification GP15-09-02, GP 15-09-01, GP 03-12-01 and GP 03-12-09.

4.-Fail Position: FL

Design Press.: 265 psig

Design Temp.: 150 °F

5.-Fire tested design per API 609 Category B (Offset Type).

6.-Local valve position indication per GP 15-09-02 Section 4.3

7.-Integral Local / Remote / Off selector switch w/off position padlocking provision per GP 15-09-02 Section 7.

				INSTRUMENT SPECIFICATION  Motorized valve		Sheet 2 of 2	
0	LG	2/1/2019	Issued for Purchase ( IFP)				
B	LG	10/17/2018	Issued for Quote ( IFQ)				
A	LG	10/2/2018	Issued for Quote ( IFQ)				
No.	By	Date	Revision	Code: 211	Dwg. No.: H269-0000-INST-T-TDS-72MOV122	Rev.: 0	

General Data	1	Tag No.	Case	72-MOV-123			
	2	Service	P&ID No.	JET FROM TR3 TO PRODUCTS PL		3-3400-0388	
	3	Line No.	Piping class	083P-0002-14"-G1A-3-N		150	
	4	Line Size	Line Schedule	14 in		STD	
	5	Line Material		Carbon Steel			
	6						
Operating Conditions	7	Fluid	Phase	State	JET	Single phase	Liquid
	8	Press.	Min.	Norm.	Max.	Units	
	9	Temp.	Min.	Norm.	Max.	Units	115 °F
	10	Max.DP Closed Valve		265 psi			
	11	Oper. time open to close		60 sec			
	12	Oper. time close to open		60 sec			
	13	Operation		Open/Close/Stop			
Valve Details	14	Valve type	Model	Butterfly Short pattern		30,000 Series	
	15	Valve end connection	Rating	Double Flange		150 ANSI RF	
	16	Code		By vendor			
	17	Valve tightness		FCI 70-2, class IV			
	18	Seat Material / Stem Material		Stellite 21/UNS S41000			
	19	Body Material / Disc Material	Material detail	ASTM A216 WCC / CS		By vendor	
	20	Line mounting		Valve Stem in Vertical up Position & actuator motor in Hor.			
Torque	21	Mechanical handwheel		Yes			
	22	Allowable torque Maxi.		By vendor			
	23	Rated	Seating	Starting	By vendor	By vendor	By vendor
Electrical	24	Area classification		Class I, Division 2, Group C,D			
	25	Electrical protection Class		NEMA 4X			
	26	Rated voltage	Power	480 VAC/ 3 Phase		By vendor	
	27	Current start	Average	By vendor		By vendor	
	28	Full load current		By vendor			
	29	Motor insulation class		Class F			
	30	Motor temp. rise		Class B			
Accessories	31	Actuator model		Q4G2-3			
	32	Integrated starter		Yes			
	33	Motor thermal protect.		Yes			
	34	Phase discriminator		By vendor			
	35	Torque protection		By vendor			
	36	Communication		Hard Wired			
	37	Limit Switch	Open	Close	Yes (72-ZSO-123)		Yes (72-ZSC-123)
Local Station	38	Position Potentiometer		N/A			
	39	On valve		Yes			
Remote Controls	40	Remote		N/A			
	41	Remote control		Yes			
Power Cable	42	Remote indication		Yes			
	43	Cable type					
Control Cable	44	Diam. seal	Overall				
	45	Cable type					
Loc. stat. Cable	46	Diam. Seal	Overall				
	47	Cable type					
	48	Diam. seal	Overall				
	49	Cable gland type					
Purchase	50	Valve Mfr.	Model No.	VANESSA		30,000 Series	
	51	Actuator Mfr.	Serial Number	EIM_M2CP		By vendor	
	52	Client Reference	Requisition No.	Item			
	53	Material Code					

Notes: See notes

						INSTRUMENT SPECIFICATION	Motorized valve	Sheet 1 of 2
0	LG	NP	PB	2/1/2019	Issued for Purchase (IFP)			
B	LG	RR	NP	10/17/2018	Issued for Quote ( IFQ)			
A	LG	RR	NP	10/2/2018	Issued for Quote ( IFQ)			
No.	By	Chkd	Appr	Date	Revision	Code: 211	Doc No.: H269-0000-INST-T-TDS-72MOV123	Rev.: 0

Tag Number : 72-MOV-123

1.- Vendor shall provide nameplate with equipment identification number, valve service as specified on this datasheet, Manufacturer's name, model, serial number, area electrical classification, Operator type, voltage, frequency, phase, and rated hp, as applicable, maximum design differential pressure and maximum seating torque. Valve body will be label with equipment identification number (tag number), Manufacturer name, model, serial number, operating range, materials of parts exposed to process fluid, size (body and inner valve), and flow capacity (Cv). Nameplate material shall be SS shall be attached by fastenings made of the same material as that of the plates.

2.- Individual integral pushbuttons, or single three-way pushbutton with twist action, shall also be provided, when specified, for OPEN-STOP-CLOSE operation of the valve and for maintenance purposes.

3.- Supplier to comply client specification GP15-09-02, GP 15-09-01, GP 03-12-01 and GP 03-12-09.

4.-Fail Position: FL

Design Press.: 265 psig

Design Temp.: 150 °F

5.-Fire tested design per API 609 Category B (Offset Type).

6.-Local valve position indication per GP 15-09-02 Section 4.3

7.-Integral Local / Remote / Off selector switch w/off position padlocking provision per GP 15-09-02 Section 7.

				INSTRUMENT SPECIFICATION  Motorized valve		Sheet 2 of 2	
0	LG	2/1/2019	Issued for Purchase (IFP)				
B	LG	10/17/2018	Issued for Quote ( IFQ)				
A	LG	10/2/2018	Issued for Quote ( IFQ)				
No.	By	Date	Revision	Code: 211	Dwg. No.: H269-0000-INST-T-TDS-72MOV123	Rev.: 0	

General Data	1	Tag No.		Case		72-MOV-124			
	2	Service		P&ID No.		JET FROM TR3 TO MOBIL HEAT		3-3400-0388A	
	3	Line No.		Piping class		083P-0003-18"-G1A-3-N		150	
	4	Line Size		Line Schedule		18 in		STD	
	5	Line Material				Carbon Steel			
	6								
Operating Conditions	7	Fluid		Phase		State		JET	
	8	Press.	Min.	Norm.	Max.	Units			Single phase
	9	Temp.	Min.	Norm.	Max.	Units	115		°F
	10	Max.DP Closed Valve				265 psi			
	11	Oper. time open to close				60 sec			
	12	Oper. time close to open				60 sec			
	13	Operation				Open/Close/Stop			
Valve Details	14	Valve type		Model		Butterfly Short pattern		30,000 Series	
	15	Valve end connection		Rating		Double Flange		150 ANSI RF	
	16	Code				By vendor			
	17	Valve tightness				FCI 70-2, class IV			
	18	Seat Material / Stem Material				Stellite 21/UNS S41000			
	19	Body Material / Disc Material		Material detail		ASTM A216 WCC / CS		By vendor	
	20	Line mounting				Valve Stem in Vertical up Position & actuator motor in Hor.			
Torque	21	Mechanical handwheel				Yes			
	22	Allowable torque Maxi.				By vendor			
	23	Rated	Seating	Starting		By vendor	By vendor	By vendor	
Electrical	24	Area classification				Class I, Division 2, Group C,D			
	25	Electrical protection Class				NEMA 4X			
	26	Rated voltage		Power		480 VAC/ 3 Phase		By vendor	
	27	Current start		Average		By vendor		By vendor	
	28	Full load current				By vendor			
	29	Motor insulation class				Class F			
	30	Motor temp. rise				Class B			
Accessories	31	Actuator model				Q4G2-3			
	32	Integrated starter				Yes			
	33	Motor thermal protect.				Yes			
	34	Phase discriminator				By vendor			
	35	Torque protection				By vendor			
	36	Communication				Hard Wired			
	37	Limit Switch		Open	Close	Yes (72-ZSO-124)		Yes (72-ZSC-124)	
Local Station	38	Position Potentiometer				N/A			
	39	On valve				Yes			
Remote Controls	40	Remote				N/A			
	41	Remote control				Yes			
Power Cable	42	Remote indication				Yes			
	43	Cable type							
Control Cable	44	Diam. seal		Overall					
	45	Cable type							
Loc. stat. Cable	46	Diam. Seal		Overall					
	47	Cable type							
	48	Diam. seal		Overall					
	49	Cable gland type							
Purchase	50	Valve Mfr.		Model No.		VANESSA		30,000 Series	
	51	Actuator Mfr.		Serial Number		EIM_M2CP		By vendor	
	52	Client Reference		Requisition No.		Item			
	53	Material Code							

Notes: See notes

						INSTRUMENT SPECIFICATION			
						Motorized valve			
0	LG	NP	PB	2/1/2019	Issued for Purchase (IFP)				
B	LG	RR	NP	10/17/2018	Issued for Quote ( IFQ)				
A	LG	RR	NP	10/2/2018	Issued for Quote ( IFQ)				
No.	By	Chkd	Appr	Date	Revision		Code: 211	Doc No.: H269-0000-INST-T-TDS-72MOV124	Rev.: 0

Tag Number : 72-MOV-124

1.- Vendor shall provide nameplate with equipment identification number, valve service as specified on this datasheet, Manufacturer's name, model, serial number, area electrical classification, Operator type, voltage, frequency, phase, and rated hp, as applicable, maximum design differential pressure and maximum seating torque. Valve body will be label with equipment identification number (tag number), Manufacturer name, model, serial number, operating range, materials of parts exposed to process fluid, size (body and inner valve), and flow capacity (Cv). Nameplate material shall be SS shall be attached by fastenings made of the same material as that of the plates.

2.- Individual integral pushbuttons, or single three-way pushbutton with twist action, shall also be provided, when specified, for OPEN-STOP-CLOSE operation of the valve and for maintenance purposes.

3.- Supplier to comply client specification GP15-09-02, GP 15-09-01, GP 03-12-01 and GP 03-12-09.

4.-Fail Position: FL

Design Press.: 265 psig

Design Temp.: 150 °F

5.-Fire tested design per API 609 Category B (Offset Type).

6.-Local valve position indication per GP 15-09-02 Section 4.3

7.-Integral Local / Remote / Off selector switch w/off position padlocking provision per GP 15-09-02 Section 7.

				INSTRUMENT SPECIFICATION  Motorized valve		Sheet 2 of 2	
0	LG	2/1/2019	Issued for Purchase (IFP)				
B	LG	10/17/2018	Issued for Quote ( IFQ)				
A	LG	10/2/2018	Issued for Quote ( IFQ)				
No.	By	Date	Revision	Code: 211	Dwg. No.: H269-0000-INST-T-TDS-72MOV124	Rev.: 0	

General Data	1	Tag No.		Case		72-MOV-125					
	2	Service				FROM 2B JET A TO DIO DIESEL, DIESEL TO WHARF					
	3	P&ID No.				3-3400-0395					
	4	Line No.		Piping class		083P-0044-18"-G1A-3-N		150			
	5	Line Size		Line Schedule		18 in		STD			
	6	Line Material				Carbon Steel					
Operating Conditions	7	Fluid		Phase		State		DIESEL		Single phase	Liquid
	8	Press.	Min.	Norm.	Max.	Units					
	9	Temp.	Min.	Norm.	Max.	Units	115		°F		
	10	Max.DP Closed Valve				265 psi					
	11	Oper. time open to close				60 sec					
	12	Oper. time close to open				60 sec					
Valve Details	13	Operation				Open/Close/Stop					
	14	Valve type		Model		Butterfly Long Pattern API 609		30,000 Series			
	15	Valve end connection		Rating		Double Flange		150 ANSI RF			
	16	Code				By vendor					
	17	Valve tightness				FCI 70-2, class IV					
	18	Seat Material / Stem Material				Stellite 21/UNS S41000					
	19	Body Material / Disc Material		Material detail		ASTM A216 WCC / CS		By vendor			
	20	Line mounting				Valve Stem in Vertical up Position & actuator motor in Hor.					
Torque	21	Mechanical handwheel				Yes					
	22	Allowable torque Maxi.				By vendor					
	23	Rated	Seating	Starting		By vendor		By vendor		By vendor	
Electrical	24	Area classification				Class I, Division 2, Group C,D					
	25	Electrical protection Class				NEMA 4X					
	26	Rated voltage		Power		480 VAC/ 3 Phase		By vendor			
	27	Current start		Average		By vendor		By vendor			
	28	Full load current				By vendor					
	29	Motor insulation class				Class F					
	30	Motor temp. rise				Class B					
Accessories	31	Actuator model				Q4G2-3					
	32	Integrated starter				Yes					
	33	Motor thermal protect.				Yes					
	34	Phase discriminator				By vendor					
	35	Torque protection				By vendor					
	36	Communication				Hard Wired					
	37	Limit Switch		Open	Close	Yes (72-ZSO-125)		Yes (72-ZSC-125)			
Local Station	38	Position Potentiometer				N/A					
	39	On valve				Yes					
Remote Controls	40	Remote				N/A					
	41	Remote control				Yes					
Power Cable	42	Remote indication				Yes					
	43	Cable type									
Control Cable	44	Diam. seal		Overall							
	45	Cable type									
Loc. stat. Cable	46	Diam. Seal		Overall							
	47	Cable type									
	48	Diam. seal		Overall							
	49	Cable gland type									
Purchase	50	Valve Mfr.		Model No.		VANESSA		30,000 Series			
	51	Actuator Mfr.		Serial Number		EIM_M2CP		By vendor			
	52	Client Reference		Requisition No.		Item	H269-0000-INST-X-XER-ID2				
	53	Material Code									

Notes: See notes

						INSTRUMENT SPECIFICATION			
1	LG	NB	NP	7/18/2019	Change Body to Long Pattern (IFP)	Motorized valve		Sheet 1 of 2	
0	LG	NP	PB	2/1/2019	Issued for Purchase (IFP)				
B	LG	RR	NP	10/17/2018	Issued for Quote ( IFQ)				
A	LG	RR	NP	10/2/2018	Issued for Quote ( IFQ)				
No.	By	Chkd	Appr	Date	Revision	Code: 211	Doc No.: H269-0000-INST-T-TDS-72MOV125	Rev.: 1	

Tag Number : 72-MOV-125

1.- Vendor shall provide nameplate with equipment identification number, valve service as specified on this datasheet, Manufacturer's name, model, serial number, area electrical classification, Operator type, voltage, frequency, phase, and rated hp, as applicable, maximum design differential pressure and maximum seating torque. Valve body will be label with equipment identification number (tag number), Manufacturer name, model, serial number, operating range, materials of parts exposed to process fluid, size (body and inner valve), and flow capacity (Cv). Nameplate material shall be SS shall be attached by fastenings made of the same material as that of the plates.

2.- Individual integral pushbuttons, or single three-way pushbutton with twist action, shall also be provided, when specified, for OPEN-STOP-CLOSE operation of the valve and for maintenance purposes.

3.- Supplier to comply client specification GP15-09-02, GP 15-09-01, GP 03-12-01 and GP 03-12-09.

4.-Fail Position: FL

Design Press.: 265 psig

Design Temp.: 150 °F

5.-Fire tested design per API 609 Category B (Offset Type).

6.-Local valve position indication per GP 15-09-02 Section 4.3

7.-Integral Local / Remote / Off selector switch w/off position padlocking provision per GP 15-09-02 Section 7.

				INSTRUMENT SPECIFICATION  Motorized valve		
1	LG	7/18/2019	Change Body to Long Pattern (IFP)			
0	LG	2/1/2019	Issued for Purchase (IFP)			
B	LG	10/17/2018	Issued for Quote ( IFQ)			
A	LG	10/2/2018	Issued for Quote ( IFQ)			Sheet 2 of 2
No.	By	Date	Revision	Code: 211	Dwg. No.: H269-0000-INST-T-TDS-72MOV125	Rev.: 1



General Data	1	Tag No.		Case		72-MOV-126								
	2	Service		P&ID No.		2A JET A DIESEL TO COKE DOCK		3-3400-0395						
	3	Line No.		Piping class		083P-0006-20"-G3A-3-N		300						
	4	Line Size		Line Schedule		20 in		40						
	5	Line Material				Carbon Steel								
	6													
Operating Conditions	7	Fluid		Phase		State		DIESEL		Single phase		Liquid		
	8	Press.	Min.	Norm.	Max.	Units								
	9	Temp.	Min.	Norm.	Max.	Units				115		°F		
	10	Max.DP Closed Valve						710 psi						
	11	Oper. time open to close						60 sec						
	12	Oper. time close to open						60 sec						
	13	Operation						Open/Close/Stop						
Valve Details	14	Valve type			Model			Butterfly Short pattern			30,000 Series			
	15	Valve end connection			Rating			Double Flange			300 ANSI RF			
	16	Code						By vendor						
	17	Valve tightness						FCI 70-2, class IV						
	18	Seat Material / Stem Material						Stellite 21/UNS S41000						
	19	Body Material / Disc Material			Material detail			ASTM A216 WCC / CS			By vendor			
	20	Line mounting						Valve Stem in Vertical up Position & actuator motor in Hor.						
	21	Mechanical handwheel						Yes						
Torque	22	Allowable torque Maxi.						By vendor						
	23	Rated		Seating		Starting		By vendor		By vendor		By vendor		
Electrical	24	Area classification						Class I, Division 2, Group C,D						
	25	Electrical protection Class						NEMA 4X						
	26	Rated voltage			Power			480 VAC/ 3 Phase			By vendor			
	27	Current start			Average			By vendor			By vendor			
	28	Full load current						By vendor						
	29	Motor insulation class						Class F						
	30	Motor temp. rise						Class B						
	31	Actuator model						DEEA-303B						
Accessories	32	Integrated starter						Yes						
	33	Motor thermal protect.						Yes						
	34	Phase discriminator						By vendor						
	35	Torque protection						By vendor						
	36	Communication						Hard Wired						
	37	Limit Switch			Open		Close		Yes (72-ZSO-126)			Yes (72-ZSC-126)		
	38	Position Potentiometer						N/A						
Local Station	39	On valve						Yes						
	40	Remote						N/A						
Remote Controls	41	Remote control						Yes						
	42	Remote indication						Yes						
Power Cable	43	Cable type												
	44	Diam. seal			Overall									
Control Cable	45	Cable type												
	46	Diam. Seal			Overall									
Loc. stat. Cable	47	Cable type												
	48	Diam. seal			Overall									
	49	Cable gland type												
Purchase	50	Valve Mfr.			Model No.			VANESSA			30,000 Series			
	51	Actuator Mfr.			Serial Number			EIM_M2CP			By vendor			
	52	Client Reference		Requisition No.			Item							
	53	Material Code												

Notes: See notes

1	DK	NP	PB	2/7/2019	Re-Issued for Purchase (RFP)	INSTRUMENT SPECIFICATION  Motorized valve			
0	LG	NP	PB	2/1/2019	Issued for Purchase (IFP)				
C	LG	RR	NP	11/5/2018	Issued for Quote ( IFQ)				
B	LG	RR	NP	10/17/2018	Issued for Quote ( IFQ)				
A	LG	RR	NP	10/2/2018	Issued for Quote ( IFQ)				
No.	By	Chkd	Appr	Date	Revision	Code: 211	Doc No.: H269-0000-INST-T-TDS-72MOV126	Rev.: 1	

1.- Vendor shall provide nameplate with equipment identification number, valve service as specified on this datasheet, Manufacturer's name, model, serial number, area electrical classification, Operator type, voltage, frequency, phase, and rated hp, as applicable, maximum design differential pressure and maximum seating torque. Valve body will be label with equipment identification number (tag number), Manufacturer name, model, serial number, operating range, materials of parts exposed to process fluid, size (body and inner valve), and flow capacity (Cv). Nameplate material shall be SS shall be attached by fastenings made of the same material as that of the plates.

2.- Individual integral pushbuttons, or single three-way pushbutton with twist action, shall also be provided, when specified, for OPEN-STOP-CLOSE operation of the valve and for maintenance purposes.

3.- Supplier to comply client specification GP15-09-02, GP 15-09-01, GP 03-12-01 and GP 03-12-09.

4.-Fail Position: FL

Design Press.: 710 psig

Design Temp.: 150 °F

5.-Fire tested design per API 609 Category B (Offset Type).

6.-Local valve position indication per GP 15-09-02 Section 4.3

7.-Integral Local / Remote / Off selector switch w/off position padlocking provision per GP 15-09-02 Section 7.

8.Gear Train provided to meet opening/closing time period.

1	DK	2/7/2019	Re-Issued for Purchase (RFP)	INSTRUMENT SPECIFICATION  Motorized valve		Sheet 2 of 2	
0	LG	2/1/2019	Issued for Purchase (IFP)				
C	LG	11/5/2018	Issued for Quote ( IFQ)				
B	LG	10/17/2018	Issued for Quote ( IFQ)				
A	LG	10/2/2018	Issued for Quote ( IFQ)				
No.	By	Date	Revision	Code: 211	Dwg. No.: H269-0000-INST-T-TDS-72MOV126	Rev.: 1	

General Data	1	Tag No.		Case		72-MOV-127								
	2	Service		P&ID No.		2A JET A DIESEL TO COKE DOCK		3-3400-0395						
	3	Line No.		Piping class		083P-0005-20"-G3A-3-N		300						
	4	Line Size		Line Schedule		20 in		40						
	5	Line Material					Carbon Steel							
	6													
Operating Conditions	7	Fluid		Phase		State		DIESEL		Single phase		Liquid		
	8	Press.	Min.	Norm.	Max.	Units								
	9	Temp.	Min.	Norm.	Max.	Units				115		°F		
	10	Max.DP Closed Valve					710 psi							
	11	Oper. time open to close					60 sec							
	12	Oper. time close to open					60 sec							
	13	Operation					Open/Close/Stop							
Valve Details	14	Valve type			Model			Butterfly Short pattern			30,000 Series			
	15	Valve end connection			Rating			Double Flange			300 ANSI RF			
	16	Code					By vendor							
	17	Valve tightness					FCI 70-2, class IV							
	18	Seat Material / Stem Material					Stellite 21/UNS S41000							
	19	Body Material / Disc Material			Material detail			ASTM A216 WCC / CS			By vendor			
	20	Line mounting					Valve Stem in Vertical up Position & actuator motor in Hor.							
	21	Mechanical handwheel					Yes							
Torque	22	Allowable torque Maxi.					By vendor							
	23	Rated		Seating		Starting		By vendor		By vendor		By vendor		
Electrical	24	Area classification					Class I, Division 2, Group C,D							
	25	Electrical protection Class					NEMA 4X							
	26	Rated voltage			Power			480 VAC/ 3 Phase			By vendor			
	27	Current start			Average			By vendor			By vendor			
	28	Full load current					By vendor							
	29	Motor insulation class					Class F							
	30	Motor temp. rise					Class B							
	31	Actuator model					DEEA-303B							
Accessories	32	Integrated starter					Yes							
	33	Motor thermal protect.					Yes							
	34	Phase discriminator					By vendor							
	35	Torque protection					By vendor							
	36	Communication					Hard Wired							
	37	Limit Switch			Open		Close		Yes (72-ZSO-127)			Yes (72-ZSC-127)		
	38	Position Potentiometer					N/A							
Local Station	39	On valve					Yes							
	40	Remote					N/A							
Remote Controls	41	Remote control					Yes							
	42	Remote indication					Yes							
Power Cable	43	Cable type												
	44	Diam. seal			Overall									
Control Cable	45	Cable type												
	46	Diam. Seal			Overall									
Loc. stat. Cable	47	Cable type												
	48	Diam. seal			Overall									
Purchase	49	Cable gland type												
	50	Valve Mfr.			Model No.			VANESSA			30,000 Series			
	51	Actuator Mfr.			Serial Number			EIM_M2CP			By vendor			
	52	Client Reference		Requisition No.			Item							
	53	Material Code												

Notes: See notes

1	DK	NP	PB	2/7/2019	Re-Issued for Purchase (RFP)	INSTRUMENT SPECIFICATION  Motorized valve	
0	LG	NP	PB	2/1/2019	Issued for Purchase (IFP)		
C	LG	RR	NP	11/5/2018	Issued for Quote ( IFQ)		
B	LG	RR	NP	10/17/2018	Issued for Quote ( IFQ)		
A	LG	RR	NP	10/2/2018	Issued for Quote ( IFQ)		
No.	By	Chkd	Appr	Date	Revision	Code: 211	Doc No.: H269-0000-INST-T-TDS-72MOV127
						Rev.: 1	

1.- Vendor shall provide nameplate with equipment identification number, valve service as specified on this datasheet, Manufacturer's name, model, serial number, area electrical classification, Operator type, voltage, frequency, phase, and rated hp, as applicable, maximum design differential pressure and maximum seating torque. Valve body will be label with equipment identification number (tag number), Manufacturer name, model, serial number, operating range, materials of parts exposed to process fluid, size (body and inner valve), and flow capacity (Cv). Nameplate material shall be SS shall be attached by fastenings made of the same material as that of the plates.

2.- Individual integral pushbuttons, or single three-way pushbutton with twist action, shall also be provided, when specified, for OPEN-STOP-CLOSE operation of the valve and for maintenance purposes.

3.- Supplier to comply client specification GP15-09-02, GP 15-09-01, GP 03-12-01 and GP 03-12-09.

4.-Fail Position: FL

Design Press.: 710 psig

Design Temp.: 150 °F

5.-Fire tested design per API 609 Category B (Offset Type).

6.-Local valve position indication per GP 15-09-02 Section 4.3

7.-Integral Local / Remote / Off selector switch w/off position padlocking provision per GP 15-09-02 Section 7.

8.Gear Train provided to meet opening/closing time period.

1	DK	2/7/2019	Re-Issued for Purchase (RFP)	INSTRUMENT SPECIFICATION  Motorized valve		Sheet 2 of 2	
0	LG	2/1/2019	Issued for Purchase (IFP)				
C	LG	11/5/2018	Issued for Quote ( IFQ)				
B	LG	10/17/2018	Issued for Quote ( IFQ)				
A	LG	10/2/2018	Issued for Quote ( IFQ)				
No.	By	Date	Revision	Code: 211	Dwg. No.: H269-0000-INST-T-TDS-72MOV127	Rev.: 1	

General Data	1	Tag No.		Case		83-MOV-015			
	2	Service		P&ID No.		DIESEL FROM/TO TK-3010		3-3403-0651	
	3	Line No.		Piping class		098P-0003-16"-G1A-3-N		150	
	4	Line Size		Line Schedule		16 in		STD	
	5	Line Material				Carbon Steel			
	6								
Operating Conditions	7	Fluid		Phase		State		DIESEL	
	8	Press.	Min.	Norm.	Max.	Units			Single phase
	9	Temp.	Min.	Norm.	Max.	Units	115		°F
	10	Max.DP Closed Valve				265 psi			
	11	Oper. time open to close				60 sec			
	12	Oper. time close to open				60 sec			
	13	Operation				Open/Close/Stop			
Valve Details	14	Valve type		Model		Butterfly Short Pattern		30,000 Series	
	15	Valve end connection		Rating		Double Flange		150 ANSI RF	
	16	Code				By vendor			
	17	Valve tightness				FCI 70-2, class IV			
	18	Seat Material / Stem Material				Stellite 21/UNS S41000			
	19	Body Material / Disc Material		Material detail		ASTM A216 WCC / CS		By vendor	
	20	Line mounting				Valve Stem in Vertical up Position & actuator motor in Hor.			
Torque	21	Mechanical handwheel				Yes			
	22	Allowable torque Maxi.				By vendor			
	23	Rated	Seating	Starting		By vendor	By vendor	By vendor	
Electrical	24	Area classification				Class I, Division 2, Group C,D			
	25	Electrical protection Class				NEMA 4X			
	26	Rated voltage		Power		480 VAC/ 3 Phase		By vendor	
	27	Current start		Average		By vendor		By vendor	
	28	Full load current				By vendor			
	29	Motor insulation class				Class F			
	30	Motor temp. rise				Class B			
Accessories	31	Actuator model				Q4G2-3			
	32	Integrated starter				Yes			
	33	Motor thermal protect.				Yes			
	34	Phase discriminator				By vendor			
	35	Torque protection				By vendor			
	36	Communication				Hard Wired			
	37	Limit Switch		Open	Close	Yes (72-ZSO-015)		Yes (72-ZSC-015)	
Local Station	38	Position Potentiometer				N/A			
	39	On valve				Yes			
Remote Controls	40	Remote				N/A			
	41	Remote control				Yes			
Power Cable	42	Remote indication				Yes			
	43	Cable type							
Control Cable	44	Diam. seal		Overall					
	45	Cable type							
Loc. stat. Cable	46	Diam. Seal		Overall					
	47	Cable type							
	48	Diam. seal		Overall					
	49	Cable gland type							
Purchase	50	Valve Mfr.		Model No.		VANESSA		30,000 Series	
	51	Actuator Mfr.		Serial Number		EIM_M2CP		By vendor	
	52	Client Reference		Requisition No.		Item			
	53	Material Code							

Notes: See notes

						INSTRUMENT SPECIFICATION			
						Motorized valve			
0	LG	NP	PB	2/1/2019	Issued for Purchase (IFP)				
B	LG	RR	NP	10/17/2018	Issued for Quote ( IFQ)				
A	LG	RR	NP	10/2/2018	Issued for Quote ( IFQ)				
No.	By	Chkd	Appr	Date	Revision		Code: 211	Doc No.: H269-0000-INST-T-TDS-83MOV015	Rev.: 0

Tag Number : 83-MOV-015

1.- Vendor shall provide nameplate with equipment identification number, valve service as specified on this datasheet, Manufacturer's name, model, serial number, area electrical classification, Operator type, voltage, frequency, phase, and rated hp, as applicable, maximum design differential pressure and maximum seating torque. Valve body will be label with equipment identification number (tag number), Manufacturer name, model, serial number, operating range, materials of parts exposed to process fluid, size (body and inner valve), and flow capacity (Cv). Nameplate material shall be SS shall be attached by fastenings made of the same material as that of the plates.

2.- Individual integral pushbuttons, or single three-way pushbutton with twist action, shall also be provided, when specified, for OPEN-STOP-CLOSE operation of the valve and for maintenance purposes.

3.- Supplier to comply client specification GP15-09-02, GP 15-09-01, GP 03-12-01 and GP 03-12-09.

4.-Fail Position: FL

Design Press.: 265 psig

Design Temp.: 150 °F

5.-Fire tested design per API 609 Category B (Offset Type).

6.-Local valve position indication per GP 15-09-02 Section 4.3

7.-Integral Local / Remote / Off selector switch w/off position padlocking provision per GP 15-09-02 Section 7.

				INSTRUMENT SPECIFICATION  Motorized valve		Sheet 2 of 2	
0	LG	2/1/2019	Issued for Purchase (IFP)				
B	LG	10/17/2018	Issued for Quote ( IFQ)				
A	LG	10/2/2018	Issued for Quote ( IFQ)				
No.	By	Date	Revision	Code: 211	Dwg. No.: H269-0000-INST-T-TDS-83MOV015	Rev.: 0	

General Data	1	Tag No.		Case		83-MOV-016					
	2	Service				DIESEL FROM/TO TK-3010					
	3	P&ID No.				3-3403-0651					
	4	Line No.		Piping class		098P-0001-36"-G1A-3-N		150			
	5	Line Size		Line Schedule		36 in		XS			
	6	Line Material				Carbon Steel					
Operating Conditions	7	Fluid		Phase		State		DIESEL		Single phase	Liquid
	8	Press.	Min.	Norm.	Max.	Units					
	9	Temp.	Min.	Norm.	Max.	Units	115		°F		
	10	Max.DP Closed Valve				265 psi					
	11	Oper. time open to close				60 sec					
	12	Oper. time close to open				60 sec					
Valve Details	13	Operation				Open/Close/Stop					
	14	Valve type		Model		Butterfly Short Pattern		30,000 Series			
	15	Valve end connection		Rating		Double Flange		150 ANSI RF			
	16	Code				By vendor					
	17	Valve tightness				FCI 70-2, class IV					
	18	Seat Material / Stem Material				Stellite 21/UNS S41000					
	19	Body Material / Disc Material		Material detail		ASTM A216 WCC / CS		By vendor			
	20	Line mounting				Valve Stem in Vertical up Position & actuator motor in Hor.					
Torque	21	Mechanical handwheel				Yes					
	22	Allowable torque Maxi.				By vendor					
	23	Rated	Seating	Starting		By vendor		By vendor		By vendor	
Electrical	24	Area classification				Class I, Division 2, Group C,D					
	25	Electrical protection Class				NEMA 4X					
	26	Rated voltage		Power		480 VAC/ 3 Phase		By vendor			
	27	Current start		Average		By vendor		By vendor			
	28	Full load current				By vendor					
	29	Motor insulation class				Class F					
	30	Motor temp. rise				Class B					
Accessories	31	Actuator model				SGJK-303K					
	32	Integrated starter				Yes					
	33	Motor thermal protect.				Yes					
	34	Phase discriminator				By vendor					
	35	Torque protection				By vendor					
	36	Communication				Hard Wired					
	37	Limit Switch		Open	Close	Yes (72-ZSO-016)		Yes (72-ZSC-016)			
	38	Position Potentiometer				N/A					
Local Station	39	On valve				Yes					
	40	Remote				N/A					
Remote Controls	41	Remote control				Yes					
	42	Remote indication				Yes					
Power Cable	43	Cable type									
	44	Diam. seal		Overall							
Control Cable	45	Cable type									
	46	Diam. Seal		Overall							
Loc. stat. Cable	47	Cable type									
	48	Diam. seal		Overall							
Purchase	49	Cable gland type									
	50	Valve Mfr.		Model No.		VANESSA		30,000 Series			
	51	Actuator Mfr.		Serial Number		EIM_M2CP		By vendor			
	52	Client Reference		Requisition No.		Item		H269-0000-INST-X-XER-ID2			
	53	Material Code									

Notes: See notes

2	LG	NB	NP	7/8/2019	Stem Extension Revised (IFP)	INSTRUMENT SPECIFICATION  Motorized valve	Sheet 1 of 2		
1	DK	NP	PB	2/7/2019	Re-Issued for Purchase (RFP)				
0	LG	NP	PB	2/1/2019	Issued for Purchase (IFP)				
B	LG	RR	NP	10/17/2018	Issued for Quote ( IFQ)				
A	LG	RR	NP	10/2/2018	Issued for Quote ( IFQ)				
No.	By	Chkd	Appr	Date	Revision	Code: 211	Doc No.:	H269-0000-INST-T-TDS-83MOV016	Rev.: 2

Tag Number : 83-MOV-016

1. Vendor shall provide nameplate with equipment identification number, valve service as specified on this datasheet, Manufacturer's name, model, serial number, area electrical classification, Operator type, voltage, frequency, phase, and rated hp, as applicable, maximum design differential pressure and maximum seating torque. Valve body will be label with equipment identification number (tag number), Manufacturer name, model, serial number, operating range, materials of parts exposed to process fluid, size (body and inner valve), and flow capacity (Cv). Nameplate material shall be SS shall be attached by fastenings made of the same material as that of the plates.
2. Individual integral pushbuttons, or single three-way pushbutton with twist action, shall also be provided, when specified, for OPEN-STOP-CLOSE operation of the valve and for maintenance purposes.
3. Supplier to comply client specification GP15-09-02, GP 15-09-01, GP 03-12-01 and GP 03-12-09.
4. Fail Position: FL  
Design Press.: 265 psig  
Design Temp.: 150 °F
5. Fire tested design per API 609 Category B (Offset Type).
6. Local valve position indication per GP 15-09-02 Section 4.3
7. Integral Local / Remote / Off selector switch w/off position padlocking provision per GP 15-09-02 Section 7.
8. Gear Train provided to meet opening/closing time period.
9. Valve will be suitable for buried service, vendor shall provide live loaded packing which will be enclosed, special paint for buried service, solid seal ring in lieu of the standard laminated seal ring.
10. Stem extension 1956 (77 inches).
11. Field to use System 7 Coating to include wrapping of buried flanges and bolts.

2	LG	7/8/2019	Stem Extension Revised (IFP)	INSTRUMENT SPECIFICATION  Motorized valve	
1	DK	2/7/2019	Re-Issued for Purchase (RFP)		
0	LG	2/1/2019	Issued for Purchase (IFP)		
B	LG	10/17/2018	Issued for Quote ( IFQ)		
A	LG	10/2/2018	Issued for Quote ( IFQ)		
No.	By	Date	Revision	Code: 211	Dwg. No.: H269-0000-INST-T-TDS-83MOV016
				Rev.: 2	



General Data	1	Tag No.		Case		83-MOV-017			
	2	Service		P&ID No.		TK-3010 DIESEL FROM/TO MANIF		C3-3403-0650	
	3	Line No.		Piping class		098P-0001-36"-G1A-3-N		150	
	4	Line Size		Line Schedule		36 in		XS	
	5	Line Material				Carbon Steel			
	6								
Operating Conditions	7	Fluid		Phase		State		DIESEL	
	8	Press.	Min.	Norm.	Max.	Units			Single phase
	9	Temp.	Min.	Norm.	Max.	Units	115		°F
	10	Max.DP Closed Valve				265 psi			
	11	Oper. time open to close				60 sec			
	12	Oper. time close to open				60 sec			
	13	Operation				Open/Close/Stop			
Valve Details	14	Valve type		Model		Butterfly Short Pattern		30,000 Series	
	15	Valve end connection		Rating		Double Flange		150 ANSI RF	
	16	Code				By vendor			
	17	Valve tightness				FCI 70-2, class IV			
	18	Seat Material / Stem Material				Stellite 21/UNS S41000			
	19	Body Material / Disc Material		Material detail		ASTMA216 WCC / CS		By vendor	
	20	Line mounting				Valve Stem in Vertical up Position & actuator motor in Hor.			
Torque	21	Mechanical handwheel				Yes			
	22	Allowable torque Maxi.				By vendor			
	23	Rated	Seating	Starting		By vendor		By vendor	By vendor
Electrical	24	Area classification				Class I, Division 2, Group C,D			
	25	Electrical protection Class				NEMA 4X			
	26	Rated voltage		Power		480 VAC/ 3 Phase		By vendor	
	27	Current start		Average		By vendor		By vendor	
	28	Full load current				By vendor			
	29	Motor insulation class				Class F			
	30	Motor temp. rise				Class B			
Accessories	31	Actuator model				SGJK-303K			
	32	Integrated starter				Yes			
	33	Motor thermal protect.				Yes			
	34	Phase discriminator				By vendor			
	35	Torque protection				By vendor			
	36	Communication				Hard Wired			
	37	Limit Switch	Open	Close	Yes (72-ZSO-017)		Yes (72-ZSC-017)		
Local Station	38	Position Potentiometer				N/A			
	39	On valve				Yes			
Remote Controls	40	Remote				N/A			
	41	Remote control				Yes			
Power Cable	42	Remote indication				Yes			
	43	Cable type							
Control Cable	44	Diam. seal	Overall						
	45	Cable type							
Loc. stat. Cable	46	Diam. Seal	Overall						
	47	Cable type							
	48	Diam. seal	Overall						
	49	Cable gland type							
Purchase	50	Valve Mfr.		Model No.		VANESSA		30,000 Series	
	51	Actuator Mfr.		Serial Number		EIM_M2CP		By vendor	
	52	Client Reference	Requisition No.		Item				
	53	Material Code							

Notes: See notes

						INSTRUMENT SPECIFICATION			
1	DK	NP	PB	2/7/2019	Re-Issued for Purchase (RFP)	Motorized valve		Sheet 1 of 2	
0	LG	NP	PB	2/1/2019	Issued for Purchase (IFP)				
B	LG	RR	NP	10/17/2018	Issued for Quote ( IFQ)				
A	LG	RR	NP	10/5/2018	Issued for Quote ( IFQ)				
No.	By	Chkd	Appr	Date	Revision	Code: 211	Doc No.: H269-0000-INST-T-TDS-83MOV017	Rev.: 1	

1.- Vendor shall provide nameplate with equipment identification number, valve service as specified on this datasheet, Manufacturer's name, model, serial number, area electrical classification, Operator type, voltage, frequency, phase, and rated hp, as applicable, maximum design differential pressure and maximum seating torque. Valve body will be label with equipment identification number (tag number), Manufacturer name, model, serial number, operating range, materials of parts exposed to process fluid, size (body and inner valve), and flow capacity (Cv). Nameplate material shall be SS shall be attached by fastenings made of the same material as that of the plates.

2.- Individual integral pushbuttons, or single three-way pushbutton with twist action, shall also be provided, when specified, for OPEN-STOP-CLOSE operation of the valve and for maintenance purposes.

3.- Supplier to comply client specification GP15-09-02, GP 15-09-01, GP 03-12-01 and GP 03-12-09.

4.-Fail Position: FL

Design Press.: 265 psig

Design Temp.: 150 °F

5.-Fire tested design per API 609 Category B (Offset Type).

6.-Local valve position indication per GP 15-09-02 Section 4.3

7.-Integral Local / Remote / Off selector switch w/off position padlocking provision per GP 15-09-02 Section 7.

8. Gear Train provided to meet opening/closing time period.

				INSTRUMENT SPECIFICATION  Motorized valve		
1	DK	2/7/2019	Re-Issued for Purchase (RFP)			
0	LG	2/1/2019	Issued for Purchase (IFP)			
B	LG	10/17/2018	Issued for Quote ( IFQ)			
A	LG	10/5/2018	Issued for Quote ( IFQ)			Sheet 2 of 2
No.	By	Date	Revision	Code: 211	Dwg. No.: H269-0000-INST-T-TDS-83MOV017	Rev.: 1

General Data	1	Tag No.		Case		83-MOV-018			
	2	Service		P&ID No.		DIESEL FROM/TO TK-3010		3-3403-0651	
	3	Line No.		Piping class		098P-0004-10"-G1A-3-N			
	4	Line Size		Line Schedule		10 in		STD	
	5	Line Material				Carbon Steel			
	6								
Operating Conditions	7	Fluid		Phase		State		DIESEL	
	8	Press.	Min.	Norm.	Max.	Units			
	9	Temp.	Min.	Norm.	Max.	Units	115		°F
	10	Max.DP Closed Valve				265 psi			
	11	Oper. time open to close				60 sec			
	12	Oper. time close to open				60 sec			
	13	Operation				Open/Close/Stop			
Valve Details	14	Valve type		Model		Butterfly Short Pattern		30,000 Series	
	15	Valve end connection		Rating		Double Flange		150 ANSI RF	
	16	Code				By vendor			
	17	Valve tightness				FCI 70-2, class IV			
	18	Seat Material / Stem Material				Stellite 21/UNS S41000			
	19	Body Material / Disc Material		Material detail		ASTM A216 WCC / CS		By vendor	
	20	Line mounting				Valve Stem in Vertical up Position & actuator motor in Hor.			
Torque	21	Mechanical handwheel				Yes			
	22	Allowable torque Maxi.				By vendor			
	23	Rated	Seating	Starting		By vendor	By vendor	By vendor	
Electrical	24	Area classification				Class I, Division 2, Group C,D			
	25	Electrical protection Class				NEMA 4X			
	26	Rated voltage		Power		480 VAC/ 3 Phase		By vendor	
	27	Current start		Average		By vendor		By vendor	
	28	Full load current				By vendor			
	29	Motor insulation class				Class F			
	30	Motor temp. rise				Class B			
Accessories	31	Actuator model				Q2G2-3			
	32	Integrated starter				Yes			
	33	Motor thermal protect.				Yes			
	34	Phase discriminator				By vendor			
	35	Torque protection				By vendor			
	36	Communication				Hard Wired			
	37	Limit Switch		Open	Close	Yes (72-ZSO-018)		Yes (72-ZSC-018)	
Local Station	38	Position Potentiometer				N/A			
	39	On valve				Yes			
Remote Controls	40	Remote				N/A			
	41	Remote control				Yes			
Power Cable	42	Remote indication				Yes			
	43	Cable type							
Control Cable	44	Diam. seal		Overall					
	45	Cable type							
Loc. stat. Cable	46	Diam. Seal		Overall					
	47	Cable type							
Purchase	48	Diam. seal		Overall					
	49	Cable gland type							
	50	Valve Mfr.		Model No.		VANESSA		30,000 Series	
	51	Actuator Mfr.		Serial Number		EIM_M2CP		By vendor	
	52	Client Reference		Requisition No.		Item			
	53	Material Code							

Notes: See notes

						INSTRUMENT SPECIFICATION			
						Motorized valve			
0	LG	NP	PB	2/1/2019	Issued for Purchase (IFP)				
B	LG	RR	NP	10/17/2018	Issued for Quote ( IFQ)				
A	LG	RR	NP	10/5/2018	Issued for Quote ( IFQ)				
No.	By	Chkd	Appr	Date	Revision		Code: 211	Doc No.: H269-0000-INST-T-TDS-83MOV018	Rev.: 0

Tag Number : 83-MOV-018

1.- Vendor shall provide nameplate with equipment identification number, valve service as specified on this datasheet, Manufacturer's name, model, serial number, area electrical classification, Operator type, voltage, frequency, phase, and rated hp, as applicable, maximum design differential pressure and maximum seating torque. Valve body will be label with equipment identification number (tag number), Manufacturer name, model, serial number, operating range, materials of parts exposed to process fluid, size (body and inner valve), and flow capacity (Cv). Nameplate material shall be SS shall be attached by fastenings made of the same material as that of the plates.

2.- Individual integral pushbuttons, or single three-way pushbutton with twist action, shall also be provided, when specified, for OPEN-STOP-CLOSE operation of the valve and for maintenance purposes.

3.- Supplier to comply client specification GP15-09-02, GP 15-09-01, GP 03-12-01 and GP 03-12-09.

4.-Fail Position: FL

Design Press.: 265 psig

Design Temp.: 150 °F

5.-Fire tested design per API 609 Category B (Offset Type).

6.-Local valve position indication per GP 15-09-02 Section 4.3

7.-Integral Local / Remote / Off selector switch w/off position padlocking provision per GP 15-09-02 Section 7.

				INSTRUMENT SPECIFICATION  Motorized valve		Sheet 2 of 2	
0	LG	2/1/2019	Issued for Purchase (IFP)				
B	LG	10/17/2018	Issued for Quote ( IFQ)				
A	LG	10/5/2018	Issued for Quote ( IFQ)				
No.	By	Date	Revision	Code: 211	Dwg. No.: H269-0000-INST-T-TDS-83MOV018	Rev.: 0	