

CUSTOMER					Date		01/Feb/18				
江苏东普化工有限公司					Approved						
					Checked						
					Prepared		CHG				
PROJECT NAME					东普10万吨/年离子膜烧碱技改						
INQUIRY NO / PO NO					-						
JOB NUMBER											
SERVICE					0						
TAG NUMBER					2PCV-005						
MODEL NO					710F-3K-300A		QUANTITY		1		
VALVE	Flange Accommodation	DIN PN10			ACCESSORY	POS	Model no.	AZBIL-AVP302			
	Body Style	WAFFER TYPE					Input signal	4-20mA			
	Body Size	12"					Signal increase	CLOSE			
	Rated Cv	8870	90 Deg Open				Electric conn./ Air conn.	RC1/2" / RC1/4"			
	Characteristic	Control					Area class	0			
	Valve Design	API-609					LS	Model no.	0		
	Flange Face Finish	0					Position	0			
	Setting Bolt Holes	DRILLED					Electric conn.	0			
	Bonnet	STANDARD					Area class	0			
	Flow Direction	BI-DIRECTIONAL					SOV	Model no.	ASCO-EF8320G174*2		
BODY MATERIAL	Body	WCB				Energized	Control				
	Disc	CF8+PFA				De-energized	Open				
	Shaft	SUS420J2				Voltage	24				
	Seat	PTFE				Coil class	0				
						Electric conn./ Air conn.	1/2NPT / 1/4NPT				
						Area class	1/2NPT				
						FR	Model no.	AZBIL-KZ-03			
	Body Marking	MSS				Pressure gauge	With				
ACTUATOR	Type	Spring return cylinder				Pressure Unit	0.05 Mpa				
	Model No	3K-TG14S				Air connection	NPT 1/2				
	Air Fail Action	Valve open				Speed controller	Model no.	N/A			
	Supply Pressure	Instrument Air 0.4~0.7Mpa				Adjust Open	Model no.				
	Actuator Orientation	-				Silencer					
	Handwheel	/				Piping Bolts & Nuts	No				
						Flange Gasket	No				
	Travel Time (sec)	15				AIR TUBE	Material	304SS			
PROCESS DATA	Fluid Name / Fluid Status	湿蒸气 / 气体				Fitting	304SS				
	Line size/sch./Class	12" / 300mm / -				Connection	ø 10				
	Case	Maximum	Normal	Minimum		Applied Spec	MFR STD				
	Flow rate	14880kg/h	12400kg/h	1550kg/h		Body	Surface Preparation	MFR STD			
	Inlet Pressure	16KPA(G)	0	0		Primer Coat	MFR STD				
	Outlet Pressure	0	0	0		1 St Coat	MFR STD				
	Dif. Press		10KPa	0		2 nd Coat	MFR STD				
	Temperature (Degree C)	0	70	0		Final Color	Epoxy resin coating (Munsell N7)				
	Density	0	2.3kg/m3	0		Actuator	Surface Preparation	MFR STD			
	Cal. Cv	X				Primer Coat	MFR STD				
	Valve opening degree					1 St Coat	MFR STD				
	Velocity m/s					2 nd Coat	MFR STD				
	Cavitation					Final Color	Epoxy primer finish (Munsell N7)				
	Noise dBA										
Design Press	0										
Design Temp(Degree C)	0										
INSPECTION CERTIFICATE	Applied Standard (Body,Seat)	API598, API598,			Add Requirement	(1) Oil Free Treatment	N / A				
	Seat Leakage Class	Zero Leakage				(2) Water Free Treatment	-				
	Body Pressure Test	1.5MPa	(Hydro.)			(3) -	-				
	Seat Leakage Test	1.1MPa	(Air)								
	Add Test (1)	-									
	Add Test (2)	-									
	NDE	-									
	Material	-									
NOTE											
(1) Material of plates, bolts, nuts for assembly is SUS304											
(2) Electric conduit port with NPT 1/2 adapter (E/P positioner, sol.valve, Limit switch box)											
(3) Air supply port with NPT 1/4 adapter (Filter regulator)											
					GA DRAWING NO		-				
					AIR CIRCUIT DRAW NO		-				
					TOMOE REF NO		0				

CUSTOMER					Date				
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PROJECT NAME		东普10万吨/年离子膜烧碱技改							
INQUIRY NO / PO NO		-							
JOB NUMBER									
SERVICE		0							
TAG NUMBER		2PCV-226							
MODEL NO		710F-7F-150A		QUANTITY		1			
VALVE	Flange Accommodation	DIN PN16		ACCESSORY	POS	Model no.	AZBIL-AVP302		
	Body Style	WAFER TYPE				Input signal	4-20mA		
	Body Size	6"				Signal increase	CLOSE		
	Rated Cv	1750	90 Deg Open			Electric conn./ Air conn.	RC1/2" / RC1/4"		
	Characteristic	Control				Area class	Ex DII CT 4		
	Valve Design	API-609			LS	Model no.	0		
	Flange Face Finish	0				Position	0		
	Setting Bolt Holes	DRILLED				Electric conn.	0		
	Bonnet	STANDARD				Area class	0		
	Flow Direction	BI-DIRECTIONAL				SOV	Model no.	0	
Fire Safe	N/A		Energized	0					
			De-energized	0					
			Voltage	0					
			Coil class	0					
BODY MATERIAL	Body	WCB		ACCESSORY	FR	Model no.	AZBIL-KZ-03		
	Disc / Disc Seal	CF8+PFA				Pressure gauge	With		
	Shaft	SUS420J2				Pressure Unit	0.05 Mpa		
	Body Seat	PTFE				Air connection	NPT 1/2		
	Gland Packing	FKM			Speed controller	Model no.	N/A		
	Bearing	-							
	Body Seat Retainer	-				Adjust Open	Model no.	No	
						Silencer	/		
	ACTUATOR	Body Marking	MSS		ACCESSORY	Piping Bolts & Nuts	No		
Type		Spring return cylinder		Flange Gasket		No			
Model No		7F-T750S		AIR TUBE		Material	304SS		
Air Fail Action		Valve Open				Fitting	304SS		
Supply Pressure		Instrument Air 0.4~0.7Mpa				Connection	ø 8		
Actuator Orientation		-				PAINTING	Applied Spec	MFR STD	
Handwheel		/					Body	Surface Preparation	MFR STD
				Primer Coat			MFR STD		
				1 St Coat			MFR STD		
				2 nd Coat			MFR STD		
PROCESS DATA	Open / Close Time (sec)	5		PAINTING	Actuator	Surface Preparation	MFR STD		
	Fluid Name / Fluid Status	湿氢气 / 气体			Primer Coat	MFR STD			
	Line size/sch./Class	16" / 400mm / 0			1 St Coat	MFR STD			
	Case	Maximum	Normal		2 nd Coat	MFR STD			
	Flow rate	1561kg/h	1301kg/h		Final Color	Epoxy resin coating (Munsell N7)			
	Inlet Pressure	29KPA(G)	0						
	Outlet Pressure	0	0						
	Dif. Press	0	0						
	Temperature (Degree C)	0	87						
	Density	0	0.26kg/m3		0				
INSPECTION CERTIFICATE	Cal. Cv			Add. Requirement	(1) Oil Free Treatment	N / A			
	Valve opening degree				(2) Water Free Treatment	-			
	Velocity m/s				(3) -	-			
	Cavitation								
	Noise dBA								
	Design Press	0							
	Design Temp (Degree C)	0							
INSPECTION CERTIFICATE	Applied Standard (Body, Seat)	API598, API598,		Add. Requirement					
	Seat Leakage Class	Zero Leakage							
	Body Pressure Test	1.5MPa (Hydro.)							
	Seat Leakage Test	1.1MPa (Air)							
	Add Test (1)	-							
INSPECTION CERTIFICATE	Add Test (2)	-		Add. Requirement					
	NDE	-							
	PMI	-							
	NACE	-							
	Material Certification	-							
NOTE									
(1) Material of plates, bolts, nuts for assembly is SUS304									
(2) Electric conduit port with NPT 1/2 adapter (E/P positioner, sol.valve, Limit switch box)									
(3) Air supply port with NPT 1/4 adapter (Filter regulator)									
					GA DRAWING NO		-		
					AIR CIRCUIT DRAW NO		-		
					TOMOE REF NO		0		

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PROJECT NAME		东普10万吨/年离子膜烧碱技改							
INQUIRY NO / PO NO		-							
JOB NUMBER									
SERVICE		0							
TAG NUMBER		2PCV-216							
MODEL NO		710F-3K-250A			QUANTITY		1		
VALVE	Flange Accommodation	DIN PN10			ACCESSORY	POS	Model no.	AZBIL-AVP302	
	Body Style	WAFER TYPE					Input signal	4-20mA	
	Body Size	10"					Signal increase	CLOSE	
	Rated Cv	5100	90 Deg Open				Electric conn./ Air conn.	RC1/2" / RC1/4"	
	Characteristic	ON-OFF					Area class	0	
	Valve Design	API-609					LS	Model no.	0
	Flange Face Finish	0					Position	0	
	Setting Bolt Holes	DRILLED					Electric conn.	0	
	Bonnet	STANDARD					Area class	0	
	Flow Direction	BI-DIRECTIONAL					SOV	Model no.	0
Fire Safe	N/A					Energized	0		
BODY MATERIAL	Body	WCB					De-energized	0	
	Disc / Disc Seal	CF8+PFA					Voltage	0	
	Shaft	SUS420J2					Coil class	0	
	Body Seat	PTFE					Electric conn./ Air conn.	0 / 0	
	Gland Packing	FKM					Area class	0	
	Bearing	-				FR	Model no.	AZBIL-KZ-03	
	Body Seat Retainer	-					Pressure gauge	With	
							Pressure Unit	0.05 Mpa	
ACTUATOR	Body Marking	MSS					Air connection	NPT 1/2	
	Type	Spring return cylinder				Speed controller	Model no.	N/A	
	Model No	3K-TG14S					Adjust Open	Model no.	No
	Air Fail Action	Valve Open							
	Supply Pressure	Instrument Air 0.4~0.7Mpa					Silencer	/	
	Actuator Orientation	-					Piping Bolts & Nuts	No	
	Handwheel	/					Flange Gasket	No	
	Open / Close Time (sec)	15				AIR TUBE	Material	304SS	
PROCESS DATA	Fluid Name / Fluid Status	湿蒸气 / 气体					Fitting	304SS	
	Line size/sch./Class	20" / 500mm / 0					Connection	ø 10	
	Case	Maximum	Normal	Minimum			Applied Spec	MFR STD	
	Flow rate	14880kg/h	12400kg/h	1550kg/h		PAINTING	Body	Surface PreparationN	MFR STD
	Inlet Pressure	23KPA(G)	0	0			Primer Coat	MFR STD	
	Outlet Pressure	0	0	0			1 St Coat	MFR STD	
	Dif. Press		0	0			2 nd Coat	MFR STD	
	Temperature (Degree C)	0	85	0			Final Color	Epoxy resin coating (Munsell N7)	
	Density	0	2.16kg/m3	0			Actuator	Surface PreparationN	MFR STD
	Cal. Cv	X					Primer Coat	MFR STD	
	Valve opening degree						1 St Coat	MFR STD	
	Velocity m/s						2 nd Coat	MFR STD	
	Cavitation						Final Color	Epoxy primer finish (Munsell N7)	
	Noise dBA								
DesignPress	0								
DesignTemp(Degree C)	0								
INSPECTION CERTIFICATE	Applied Standard (Body,Seat)	API598, API598,			Add. Requirement	(1) Oil Free Treatment	N / A		
	Seat Leakage Class	Zero Leakage				(2) Water Free Treatment	-		
	Body Pressure Test	1.5MPa (Hydro.)				(3) -	-		
	Seat Leakage Test	1.1MPa (Air)							
	Add Test (1)	-							
	Add Test (2)	-							
	NDE	-							
	Material	-							
NOTE									
(1) Material of plates, bolts, nuts for assembly is SUS304									
(2) Electric conduit port with NPT 1/2 adapter (E/P positioner, sol.valve, Limit switch box)									
(3) Air supply port with NPT 1/4 adapter (Filter regulator)									
					GA DRAWING NO		-		
					AIR CIRCUIT DRAW NO		-		
					TOMOE REF NO		0		

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PROJECT NAME		东普10万吨/年离子膜烧碱技改							
INQUIRY NO / PO NO		-							
JOB NUMBER									
SERVICE		0							
TAG NUMBER		2LCV-170							
MODEL NO		710F-7F-150A		QUANTITY		1			
VALVE	Flange Accommodation	DIN PN10		ACCESSORY	POS	Model no.	AZBIL-AVP302		
	Body Style	WAFER TYPE				Input signal	4-20mA		
	Body Size	6"				Signal increase	CLOSE		
	Rated Cv	1750	90 Deg Open			Electric conn./ Air conn.	RC1/2" / RC1/4"		
	Characteristic	Control				Area class	Ex DII CT 4		
	Valve Design	API-609				LS	Model no.	0	
	Flange Face Finish	0				Position	0		
	Setting Bolt Holes	DRILLED				Electric conn.	0		
	Bonnet	STANDARD				Area class	0		
	Flow Direction	BI-DIRECTIONAL				SOV	Model no.	0	
Fire Safe	N/A				Energized	0			
BODY MATERIAL	Body	WCB				De-energized	0		
	Disc / Disc Seal	CF8+PFA				Voltage	0		
	Shaft	SUS420J2				Coil class	0		
	Body Seat	PTFE				Electric conn./ Air conn.	0 / 0		
	Gland Packing	FKM				Area class	0		
	Bearing	-							
	Body Seat Retainer	-				FR	Model no.	AZBIL-KZ-03	
						Pressure gauge	With		
ACTUATOR	Body Marking	MSS				Pressure Unit	0.05 Mpa		
	Type	Spring return cylinder				Air connection	NPT 1/2		
	Model No	7F-T750S				Speed controller	Model no.	N/A	
	Air Fail Action	Valve Open				Adjust Open	Model no.	No	
	Supply Pressure	Instrument Air 0.4~0.7Mpa							
	Actuator Orientation	-				Silencer	/		
	Handwheel	/				Piping Bolts & Nuts	No		
						Flange Gasket	No		
	Open / Close Time (sec)	5				AIR TUBE	Material	304SS	
						Fitting	304SS		
PROCESS DATA	Fluid Name / Fluid Status	二次盐水 / 液体				Connection	ø 8		
	Line size/sch./Class	8"	/ 200mm / 0			Applied Spec	MFR STD		
	Case	Maximum	Normal	Minimum		Body	Surface Preparation	MFR STD	
	Flow rate	152m3/h	126m3/h	25m3/h		Primer Coat	MFR STD		
	Inlet Pressure	400KPA(G)	0	0		1 St Coat	MFR STD		
	Outlet Pressure	0	0	0		2 nd Coat	MFR STD		
	Dif. Press		0	0		Final Color	Epoxy resin coating (Munsell N7)		
	Temperature (Degree C)	0	40	0		Actuator	Surface Preparation	MFR STD	
	Density	0	1171kg/m3	0		Primer Coat	MFR STD		
	Cal. Cv	X				1 St Coat	MFR STD		
	Valve opening degree					2 nd Coat	MFR STD		
	Velocity m/s					Final Color	Epoxy primer finish (Munsell N7)		
	Cavitation								
	Noise dBA								
	Design Press	0							
Design Temp (Degree C)	0								
INSPECTION CERTIFICATE	Applied Standard (Body,Seat)	API598, API598,			Add Requirement	(1) Oil Free Treatment	N / A		
	Seat Leakage Class	Zero Leakage				(2) Water Free Treatment	-		
	Body Pressure Test	1.5MPa	(Hydro.)			(3) -	-		
	Seat Leakage Test	1.1MPa	(Air)						
	Add Test (1)	-							
	Add Test (2)	-							
	NDE	-							
	PMI	-							
	NACE	-							
	Material Certification	-							
NOTE									
(1) Material of plates, bolts, nuts for assembly is SUS304									
(2) Electric conduit port with NPT 1/2 adapter (E/P positioner, sol.valve, Limit switch box)									
(3) Air supply port with NPT 1/4 adapter (Filter regulator)									
					GA DRAWING NO		-		
					AIR CIRCUIT DRAW NO		-		
					TOMOE REF NO		0		