



Complete valve list Tank Farm Area

Diagram No.: 792.86811
Revision: As B.
Date: 06.03.2006
Diagram state: As B.


Project: ASU KOSICE TF
Project No.: K70101
List State: As B.

COVER-SHEET


Distribution	
Name	Department
H. Dr. Nipper	IP.Z
H. Dräger	IC.Z
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Processing			
Date	Name	Checked by	Status
25.09.2004	Chira.	Rüdiger	Rev.
20.05.2005	Reidenbach/IES	Gans	Rev.1
28.11.2005	Dziadek/IES	Gans	Rev.3
13.03.2006	Dziadek/IES	Gans	As B.


Type of valve:	Driving System:	Type of Connection:
GV = Gate Valve GLV = Globe Valve GGV = Goggle Valve BV = Ball Valve SVW = Safety Valve Weight type SVS = Safety Valve Spring type CVL = Check Valve List type	H = Hand wheel E = Electric drive G = Geors Pn = Pneumatic SC = Self Controlled	F = Flange joint BW = Butt weld joint T = Threaded joint M = Mechanical joint SW = Socket weld joint B&S = Bell and Spigot joint
CVS = Check Valve Swing type BTV = Butterfly Valve PCV = Pressure Control Valve DV = Diaphragm Valve BOV = Blow Off Valve MOV = Manual Operated Valve CV = Check Valve PRV = Pressure Reducing Valve		
LCV = Level Control Valve HCV = Hand Control Valve FCV = Flow Control Valve TCV = Temperature Control Valve DCV = Directional Control Valve RV = Relief Valve ST = Steam Trap		

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Valve No.	Place of Install.	P & I Sheet	Connection			Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	Type	Length	Height		Manufacturer	Supplier	Date of delivery	
Coord.			ANSI	PN					Type	Spec.-No.		
V 10001	80 EG 10001 AA10C1	40	F	80		310			KROMBACH	SIEKMANN		
		G11	2633	16					AV 822			
K 20002	100 N 20005 AA64C1	010	F	100		64			ZWICK	SIEKMANN		
		C10	2636	PN63					L1 DN100 PN63			
HV 20003	100 N 20005 AA64C1	010	F	100		350			FLOWERVE	FLOWERVE		
		C12	2635	PN40					V726 DKONN			
V 20003 H1	100 N 20005 AA64C1	010	T	4		70			BOLLIN	SIEKMANN		
		B11	DIN EN 837-1	250					M02EGM12SP12			
V 20003 H2	100 N 20005 AA64C1	010	T	4		70			BOLLIN	SIEKMANN		
		C11	DIN EN 837-1	250					M02EGM12SP12			
V 20003 L1	100 N 20005 AA64C1	010	T	4		70			BOLLIN	SIEKMANN		
		B11	DIN EN 837-1	250					M02EGM12SP12			
V 20011	250 O 20006 ZB40C1	010	F	25		160			KROMBACH	SIEKMANN		
		G8	2635	PN40					AV 825			
K 20012	250 O 20006 ZB40C1	010	F	250		250			ZWICK	SIEKMANN		
		H8	2635	PN40					F1 DN250 PN40			
V 20012	250 O 20006 ZB40C1	010	F	15		130			KLAUS UNION	SIEKMANN		
		G8	2635	PN40					1101			
V 20012 H1	250 O 20006 ZB40C1	010	T	4		70			BOLLIN	SIEKMANN		
		G8	DIN EN 837-1	250					M02EGM12SP12			
V 20012 L1	250 O 20006 ZB40C1	010	T	4		70			BOLLIN	SIEKMANN		
		G8	DIN EN 837-1	250					M02EGM12SP12			
HV 20013	25 O 20009 MONEL40C1	010	F	25		160			FLOWERVE	FLOWERVE		
		F11	2635	PN40					350 P2			

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Valve No.	Place of Install.	P & I Sheet	Connection				Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	Type	Length	Height	Manufacturer		Supplier	Date of delivery		
		Coord.	ANSI	PN						Type	Spec.-No.		
UK 20013	250 O 20007 ZB40C1	O10	F	250		730				EBRO	EBRO		
		F11	2635	PN40						HP 11 K2			
V 20013 H1	250 O 20006 ZB40C1	O10	T	4		70				BOLLIN	SIEKMANN		
		G10	DIN EN 837-1	250						M02EGM12SP12			
V 20013 H2	250 O 20006 ZB40C1	O10	T	4		70				BOLLIN	SIEKMANN		
		G9	DIN EN 837-1	250						M02EGM12SP12			
V 20013 L1	250 O 20006 ZB40C1	O10	T	4		70				BOLLIN	SIEKMANN		
		G10	DIN EN 837-1	250						M02EGM12SP12			
HV 20014	25 O 20008 MONEL40C1	O10	F	25		160				FLOWERVE	FLOWERVE		
		G11	2635	40						350 P2			
UK 20014	250 O 20006 ZB40C1	O10	F	250		730				EBRO	EBRO		
		H11	2635	40						HP 11 K2			
V 20014 H1	250 O 20006 ZB40C1	O10	T	4		70				BOLLIN	SIEKMANN		
		H11	DIN EN 837-1	250						M02EGM12SP12			
V 20014 L1	250 O 20006 ZB40C1	O10	T	4		70				BOLLIN	SIEKMANN		
		H11	DIN EN 837-1	250						M02EGM12SP12			
V 20015 H1	250 O 20007 ZB40C1	O10	T	4		70				BOLLIN	SIEKMANN		
		F11	DIN EN 837-1	250						M02EGM12SP12			
V 20015 H2	250 O 20007 ZB40C1	O10	T	4		70				BOLLIN	SIEKMANN		
		F12	DIN EN 837-1	250						M02EGM12SP12			
V 20015 L1	250 O 20007 ZB40C1	O10	T	4		70				BOLLIN	SIEKMANN		
		F11	DIN EN 837-1	250						M02EGM12SP12			
V 20016 H1	250 O 20006 ZB40C1	O10	T	4		70				BOLLIN	SIEKMANN		
		G12	DIN EN 837-1	250						M02EGM12SP12			

	<h2 style="margin: 0;">Complete valve list</h2> <h3 style="margin: 0;">Tank Farm Area</h3>	Diagram No.: 792.86811 Revision: As B. Date: 06.03.2006 Diagram state: As B.	Project: ASU KOSICE TF Project No.: K70101 List State: As B.
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Valve No.	Place of Install.	P & I Sheet	Connection			Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	PN	Type	Length		Manufactor	Supplier	Date of delivery	
		Coord.	ANSI				Height		Type	Spec.-No.		
V 20028	15 N 20028 AA40C1	010	F	15			130					ASU
		D12	2635	PN40								
K 62004	B 62001	032										TV
		B4										
PV 62005	100 O 62009 ZB10C1	032	F	100			350		FLOWERVE	FLOWERVE		
		C6	2633	PN16					V726 DCVIN			
V 62005 HI	B 62001	032	T	4			70		BOLLIN	SIEKMANN		TV
		E7	DIN EN 837-1	PN250					M02EGM12SP12			
V 62005 LI	B 62001	032										TV
		C6										
V 62006 HI	B 62001	032										TV
		D3										
V 62006 LI	B 62001	032										TV
		C3										
HV 62008	B 62001	032										TV
		B4										
HV 62009	B 62001	032										TV
		A5										
V 62011 HI	80 OL 62003 ZB10C1	032	T	4			70		BOLLIN	SIEKMANN		
		C8	DIN EN 837-1	PN250					M02EGM12SP12			
X 62011	P 62001	032		65								PUV
		E8		PN10								
V 62012 HI	80 OL 62003 ZB10C1	032	T	4			70		BOLLIN	SIEKMANN		
		C9	DIN EN 837-1	PN250					M02EGM12SP12			

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Valve No.	Place of Install.	P & I Sheet Coord.	Connection			Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	PN	Type	Length		Manufacturer	Supplier	Date of delivery	
			ANSI				Height		Type	Spec.-No.		
V 62015	50 OL 62004 ZB10C1	032	F	50			230		KROMBACH	SIEKMANN		
		E8	2635	PN40					AV 825			
F 62016	P 62001	032		100								PUV
		F8		PN16								
H 62016	100 OL 62002 ZB10C1	032	F	100			350		KROMBACH	SIEKMANN		
		G8	2633	PN16					KH 1026/Cryo			
X 62016	P 62001	032		100								PUV
		F8		PN16								
V 62020 HI	B 62001	032										TV
		E3										
PV 62030	B 62001	032	F	25			160					TV
		F2	2633	PN16								
V 62030	B 62001	032	F	25			160					TV
		F2	2633	PN16								
V 62032 HI	B 62001	032										TV
		E3										
H 62033	80 OL 62003 ZB10C1	032	F	80			310		KROMBACH	SIEKMANN		
		D10	2635	PN40					KH 1026/Cryo			
R 62033	80 OL 62003 ZB10C1	032	F	80			71		RITAG	SIEKMANN		
		D11	2633	PN16					SR 55.40			
R 62034	50 OL 63003 ZB10C1	032	F	50			56		RITAG	SIEKMANN		
		E11	2633	PN16					SR 55.40			
K 62036	B 62001	032										TV
		B7										

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Valve No.	Place of Install.	P & I Sheet	Connection			Measure (mm)		Weight [kg]	Order data			Remarks			
			Form	DN	Type	Length	Height		Manufacturer	Supplier	Date of delivery				
		Coord.	ANSI	PN					Type	Spec.-No.					
K 62037	B 62001	032													
		B7										TV			
PV 62040	25 OL 62006 ZB10C1	032	F	25		160			FLOWERVE	FLOWERVE					
		G3	2635	PN40					V726 DCVIN						
V 62040	80 O 62008 ZB10C1	032	F	80		310			KROMBACH	SIEKMANN					
		D3	2633	PN16					AV 825						
V 62041	25 OL 62006 ZB10C1	032	F	25		160			KROMBACH	SIEKMANN					
		G5	2635	PN40					AV 825						
HV 62051	50 OL 61102 ZB10C1	032	F	50		230			FLOWERVE	FLOWERVE					
		E6	2635	PN40					V726 DCVIN						
HV 62052	50 OL 61102 ZB10C1	032	F	50		230			FLOWERVE	FLOWERVE					
		F1	2635	PN40					V726 DCVIN						
V 62053	50 OL 61106 ZB10C1	032	F	50		230			KROMBACH	SIEKMANN					
		G2	2635	PN40					AV 825						
V 62054	50 OL 61106 ZB10C1	032	F	50		230									
		G3	2633	16											
V 62055	50 OL 61106 ZB10C1	032	F	50		230									
		G1	2633	PN16											
F 62070	15 O 81029 ZB10C1	032		15								PUV			
		G8		PN10											
H 62080	80 OL 64102 ZB40C1	032	F	80		310			KROMBACH	SIEKMANN					
		D8	2635	PN40					KH 1026/Cryo						
H 62081	80 OL 64202 ZB40C1	032	F	80		310			KROMBACH	SIEKMANN					
		D8	2635	PN40					KH 1026/Cryo						

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Valve No.	Place of Install.	P & I Sheet	Connection			Measure (mm)		Weight [kg]	Order data			Remarks		
			Form	DN	Type	Length	Height		Manufacturer	Supplier	Date of delivery			
		Coord.	ANSI	PN					Type	Spec.-No.				
H 62082	80 OL 62003 ZB10C1	032	T	1/2"		70			BOLLIN	SIEKMANN				
		D11	DIN ISO 228-1											
V 62083	50 OL 61102 ZB10C1	032	F	25		160			KROMBACH	SIEKMANN				
		D7	2635	PN40					AV 825					
H 62170	15 O 81029 ZB10C1	032	F	15		130			KROMBACH	SIEKMANN				
		H8	2635	PN40					KH 1026/Cryo					
V 62170 HI	P 62001	032	T	15								PUV		
		G9		PN10										
PV 62171	P 62001	032	T	15								PUV		
		G8		PN10										
H 62270	100 OL 62001 ZB10C1	032	F	100		350			KROMBACH	SIEKMANN				
		H7	2633	PN16					KH 1026/Cryo					
X 63011	P 63001	032		40								PUV		
		F9		PN10										
F 63016	P 63001	032		65								PUV		
		F9		PN10										
HV 63016	80 OL 62002 ZB10C1	032	F	80		310			FLOWERVE	FLOWERVE				
		G9	2633	PN16					V726 DCVIN					
X 63016	P 63001	032		65								PUV		
		G9		PN10										
PV 63033	50 OL 63004 ZB10C1	032	F	50		230			FLOWERVE	FLOWERVE				
		E8	2635	PN40					V726 DCVIN					
V 63033 HI	50 OL 63003 ZB10C1	032	T	4		70			BOLLIN	SIEKMANN				
		E10	DIN ISO 228-1			PN250			M02EGM12SP12					

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Valve No.	Place of Install.	P & I Sheet	Connection				Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	Type	Length	Height	Manufacturer		Supplier	Date of delivery		
												ANSI	
V 63033 H2	50 OL 63003 ZB10C1	Coord.	T	4		70			BOLLIN	SIEKMANN			
		E10	DIN EN 837-1	PN250					M02EGM12SP12				
V 63033 L1	50 OL 63003 ZB10C1	032	T	4		70			BOLLIN	SIEKMANN			
		E11	DIN ISO 228-1	PN250					M02EGM12SP12				
HV 63034	50 OL 63003 ZB10C1	032	F	50		230			FLOWSERVE	FLOWSERVE			
		E11	2635	PN40					V726 DCVIN				
UV 64010	80 OL 64101 ZB40C1	034	F	80		310			FLOWSERVE	FLOWSERVE			
		B1	2635	PN40					V726 DCVIN				
V 64011	25 OL 64002 ZB40C1	034	F	25		160			KROMBACH	SIEKMANN			
		C2	2635	PN40					AV 825				
V 64012	50 OL 64004 ZB40C1	034	F	50		230			KROMBACH	SIEKMANN			
		E7	2635	PN40					AV 825				
V 64013	50 OL 64004 ZB40C1	034	F	50		230			KROMBACH	SIEKMANN			
		E3	2635	PN40					AV 825				
V 64030	W 64001	034										WV	
		G6											
V 64050 HI	200 O 64005 ZB40C1	034	T	4		70			BOLLIN	SIEKMANN			
		B7	DIN EN 837-1	250					M02EGM12SP12				
V 64051	200 O 64005 ZB40C1	034	T	4		70			BOLLIN	SIEKMANN			
		B9	DIN EN 837-1	250					M02EGM12SP12				
V 64060	200 O 64005 ZB40C1	034	F	200		600			KROMBACH	SIEKMANN			
		B10	2635	PN40					AV 825				
V 64060 HI	200 O 64005 ZB40C1	034	T	4		70			BOLLIN	SIEKMANN			
		B10	DIN EN 837-1	PN250					M02EGM12SP12				

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Valve No.	Place of Install.	P & I Sheet	Connection				Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN		Type	Length	Height		Manufacturer	Supplier		
				ANSI	PN						Type	Spec.-No.	
V 64060 L1	200 O 64005 ZB40C1	Coord.	T	4		70			BOLLIN	SIEKMANN			
		B11	DIN EN 837-1	PN250				M02EGM12SP12					
		034	F	200									
R 64061	200 O 64005 ZB40C1	B10	2635	PN40		140			RITAG	SIEKMANN			
		034	F	25									
		C10	2635	PN40		160			KROMBACH	SIEKMANN		Monel-Trim	
V 64062	25 O 64006 ZB40C2-Monel	034	F	25		160			AV 825				
		C11	2635	PN40					KROMBACH	SIEKMANN		Monel-Trim	
		034	F	25									
V 64063	25 O 64006 ZB40C2-Monel	C11	2635	PN40		160			AV 825	SIEKMANN			
		034	F	25					KROMBACH	SIEKMANN			
		C11	2635	PN40									
V 64064	25 O 64006 ZB40C2-Monel	034	F	25					BOLLIN	SIEKMANN			
		E9	DIN EN 837-1	PN250		70			M02EGM12SP12				
		034	T	4									
H 64081 H1	W 64001	F7										WV	
		034											
		G7										WV	
H 64082	W 64001	G11	2633	PN16		200							
		034	F	40									
		G9	2634	PN25									
TV 64090	40 W1 64090 AA10C1	034	F	25					SPIRAX SARCO	SPIRAX SARCO		Steam trap	
		G9	2634	PN25		160			TD 32 F				
		034							SPIRAX SARCO	SPIRAX SARCO			
V 64091	B64090	G10											
		034	F	25		160			KROMBACH	SIEKMANN			
		G9	2635	PN40					AV 825				
V 64093	25 S 84022 BA25C1	034	F	25									
		G9	2635	PN40									
		034	F	25									

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Valve No.	Place of Install.	P & I Sheet	Connection			Measure (mm)		Weight [kg]	Order data			Remarks		
			Form	DN	Type	Length	Height		Manufacturer	Supplier	Date of delivery			
		Coord.	ANSI	PN					Type <td>Spec.-No.<td></td><td></td></td>	Spec.-No. <td></td> <td></td>				
V 64094	25 S 84022 BA25C1	034	F	25		160			KROMBACH	SIEKMANN				
		G8	2635	PN40					AV 825					
V 64095	25 S 84023 BA25C1	034	F	25		160			KROMBACH	SIEKMANN				
		G9	2635	PN40					AV 825					
V 64101 HI	100 OL 62001 ZB10C1	033	T	4		70			BOLLIN	SIEKMANN				
		E5	DIN EN 837-1	PN250					M02EGM12SP12					
HV 64110	100 OL 62001 ZB10C1	033	F	100		310			FLOWSERVE	FLOWSERVE				
		E3	2633	PN16					V726 DCVIN					
X 64111	P 64101	033		50								PUV		
		D6		PN40										
X 64116	P 64101	033		65								PUV		
		E6		PN10										
F 64117	P 64101	033		65								PUV		
		D6		PN10										
HV 64150	80 OL 64101 ZB40C1	033	F	80		310			FLOWSERVE	FLOWSERVE				
		B7	2635	PN40					V726 DCVIN					
V 64150 HI	50 OL 64101 ZB40C1	033	T	4		70			BOLLIN	SIEKMANN				
		D5	DIN EN 837-1	PN250					M02EGM12SP12					
R 64151	80 OL 64101 ZB40C1	033	F	80		71			RITAG	SIEKMANN				
		B7	2635	PN40					SR 55.40					
HV 64170	80 OL 64102 ZB40C1	033	F	50		230			FLOWSERVE	FLOWSERVE				
		C5	2635	PN40					V726 DCVIN					
V 64170	15 O 81023 ZB10C1	033	F	15		130			KROMBACH	SIEKMANN				
		G4	2635	PN40		...			AV 825					


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Valve No.	Place of Install.	P & I Sheet Coord.	Connection			Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	PN	Length	Height		Manufacturer Type	Supplier Spec.-No.	Date of delivery	
V 64170 H1	P 64101	033										
		F5										PUV
PV 64171	P 64101	033			15							
		G5			PN10							PUV
TV 64181	150 S 84005 BA25C1	034	F	125		400			FLOWERVE	FLOWERVE		
		G7	2635	PN40					V726 DCVRO			
V 64201 H1	100 OL 62005 ZB10C1	033	T	4		70			BOLLN	SIEKMANN		
		H5	DIN EN 837-1	PN250					M02EGM12SP12			
HV 64210	100 OL 62005 ZB10C1	033	F	100		350			FLOWERVE	FLOWERVE		
		H3	2633	PN16					V726 DCVIN			
X 64211	P 64201	033		50								PUV
		D9		PN40								
X 64216	P 64201	033		65								PUV
		E9		PN10								
F 64217	P 64201	033		65								PUV
		D9		PN10								
HV 64250	80 OL 64201 ZB40C1	033	F	80		310			FLOWERVE	FLOWERVE		
		B10	2635	PN40					V726 DCVIN			
V 64250 H1	50 OL 64201 ZB40C1	033	T	4		70			BOLLN	SIEKMANN		
		D9	DIN EN 837-1	PN250					M02EGM12SP12			
R 64251	80 OL 64201 ZB40C1	033	F	80		71			RITAG	SIEKMANN		
		B11	2635	PN40					SR 55.40			
HV 64270	80 OL 64202 ZB40C1	033	F	50		230			FLOWERVE	FLOWERVE		
		B8	2635	PN40					V726 DCVIN			

<div><div><div>AIR LIQUIDE</div><div></div></div></div>			Complete valve list Tank Farm Area					Diagram No.: 792.86811 Revision: As B. Date: 06.03.2006 Diagram state: As B.			Project: ASU KOSICE TF Project No.: K70101 List State.: As B.		
Valve No.	Place of Install.	P & I Sheet	Connection			Measure (mm)		Weight [kg]	Order data			Remarks	
		Coord.	Form ANSI	DN PN	Type	Length Height	Manufacturer Type		Supplier Spec.-No.	Date of delivery			
V 64270	15 O 81024 ZB10C1	033 G8	F 2635	15 PN40		130		KROMBACH AV 825	SIEKMANN				
V 64270 H1	P 64201	033 G9									PUV		
PV 64271	P 64201	033 G9									PUV		
HK 70041	350 N 75005 AA40C1	020 F11	F 2635	350 PN40		850		XOMOX 825	XOMOX				
K 72004	B 72001	035 B4									TV		
PV 72005	100 N 72009 ZB10C1	035 B7	F 2633	100 PN16		350		FLOWERVE V726 DCVIN	FLOWERVE				
V 72005 H1	B 72001	035 E7									TV		
V 72005 L1	B 72001	035 C6									TV		
V 72006 H1	B 72001	035 D3									TV		
V 72006 L1	B 72001	035 C3									TV		
HV 72008	B 72001	035 B4									TV		
HV 72009	B 72001	035 A5									TV		

<div><div><div>AIR LIQUIDE</div><div></div></div></div>			Complete valve list Tank Farm Area					Diagram No.: 792.86811 Revision: As B. Date: 06.03.2006 Diagram state: As B.			Project: ASU KOSICE TF Project No.: K70101 List State.: As B.		
Valve No.	Place of Install.	P & I Sheet	Connection			Measure (mm)	Weight [kg]	Order data			Remarks		
			Form	DN	Type			Manufacturer	Supplier	Date of delivery			
		Coord.	ANSI	PN		Height		Type	Spec.-No.				
V 72011 HI	80 NL 72102 ZB10C1	035	T	4		70		BOLLIN	SIEKMANN				
		D9	DIN EN 837-1	PN250				M02EGM12SP12					
X 72011	P 72001	035											
		E9									PUV		
V 72012 HI	80 NL 72102 ZB10C1	035	T	4		70		BOLLIN	SIEKMANN				
		D9	DIN EN 837-1	PN250				M02EGM12SP12					
H 72015	50 N 72103 ZB10C1	035	F	50		230		KROMBACH	SIEKMANN				
		E8	2635	PN40				KH 1026/Cryo					
F 72016	P 72001	035											
		F9									PUV		
H 72016	100 NL 72101 ZB10C1	035	F	100		350		KROMBACH	SIEKMANN				
		G9	2633	PN16				KH 1026/Cryo					
X 72016	P 72001	035											
		F9									PUV		
V 72020 HI	B 72001	035											
		E3									PUV		
PV 72030	B 72001	035	F	25		160							
		E2	2633	PN16							TV		
V 72030	B 72001	035	F	25		160							
		E2	2633	PN16							TV		
V 72032 HI	B 72001	035											
		E3									TV		
K 72036	B 72001	035											
		B7									TV		

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Valve No.	Place of Install.	P & I Sheet	Connection			Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	Type	Length	Height		Manufacturer	Supplier	Date of delivery	
		Coord.	ANSI	PN					Type	Spec.-No.		
K 72037	B 72001	035 B7										TV
PV 72040	25 NL 72004 ZB10C1	035 G3	F 2635	25 PN40		160			FLOWERVE V726 DCVIN	FLOWERVE		
V 72040	25 NL 72004 ZB10C1	035 G6	F 2635	25 PN40		130			KROMBACH AV 825	SIEKMANN		
V 72048	15 N 72008 ZB10C1	035 D3	F 2635	15 PN40		130			KROMBACH AV 825	SIEKMANN		
HV 72051	50 NL 23003 ZB16C1	035 D6	F 2635	50 PN40		230			FLOWERVE V726 DCVIN	FLOWERVE		
HV 72052	50 NL 72003 ZB16C1	035 E6	F 2635	50 PN40		230			FLOWERVE V726 DCVIN	FLOWERVE		
V 72052	50 NL 72003 ZB16C1	035 E7	F 2635	25 PN40		160			KROMBACH AV 825	SIEKMANN		
HV 72053	40 NL 73005 ZB16C1	035 G2	F 2635	40 PN40		200			FLOWERVE V726 DCVIN	FLOWERVE		
H 72070	15 N 87014 AA10C1	035 G9	F 2635	15 PN40		130			KROMBACH KH 1026/Cryo	SIEKMANN		
H 72080	50 NL 74102 ZB40C1	035 D8	F 2635	50 PN40		230			KROMBACH KH 1026/Cryo	SIEKMANN		
H 72081	50 NL 74202 ZB40C1	035 D8	F 2635	50 PN40		230			KROMBACH KH 1026/Cryo	SIEKMANN		
H 72082	80 NL 73102 ZB25C1	035 D8	F 2635	80 PN40		310			KROMBACH KH 1026/Cryo	SIEKMANN		



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Valve No.	Place of Install.	P & I Sheet	Connection			Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	Type	Length	Height		Manufacturer	Supplier	Date of delivery	
H 72083	80 NL 73202 ZB25C1	035	F	80		310		KROMBACH	SIEKMANN			
		D8	2635	PN40		KH 1026/Cryo						
V 72083	50 NL 23003 ZB16C1	035	F	25		160		KROMBACH	SIEKMANN			
		D7	2635	PN40		AV 825						
H 72084	80 NL 72102 ZB10C1	035	T	1/2"		130						
		D11	DIN EN 837-1	PN10								
R 72133	80 NL 72102 ZB10C1	035	F	80		71		RITAG	SIEKMANN			
		D11	2633	PN16		SR 55.40						
V 72133	80 NL 72102 ZB10C1	035	F	80		310		KROMBACH	SIEKMANN			
		D10	2633	PN16		AV 822						
H 72270	100 NL 72002 ZB10C1	035	F	100		350		KROMBACH	SIEKMANN			
		H7	2633	PN16		KH 1026/Cryo						
PV 73002	50 N 74095 AA40C1	038	F	50		230		FLOWSERVE	FLOWSERVE			
		B2	2635	PN40		V726 DCVNN						
R 73002	50 N 74095 AA40C1	038	F	50		56		RITAG	SIEKMANN			
		B3	2635	PN40		SR 55.40						
V 73002	50 N 74095 AA40C1	038	F	50		230		KROMBACH	SIEKMANN			
		B4	2635	PN40		AV 825						
V 73002 HI	50 N 74095 AA40C1	038	T	4		70		BOLLIN	SIEKMANN			
		B2	DIN EN 837-1	PN250		M02EGM12SP12						
PV 73005	25 NL 73008 ZB40C1	038	F	25		150		FLOWSERVE	FLOWSERVE			
		F7	2635	PN40		V726 DCVIN						
V 73005 HI	B 73001	038									TV	
		E7										




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Valve No.	Place of Install.	P & I Sheet	Connection			Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	PN	Type	Length		Manufacturer	Supplier	Date of delivery	
		Coord.	ANSI				Height		Type	Spec.-No.		
V 73005 L1	B 73001	038										TV
		C7										
V 73007	B 73002	038	F	25			160		KROMBACH	SIEKMANN		
		A4	2635	PN40					AV 825			
V 73007 H1	B73002	038										MSR
		B3										
V 73008	B73002	038										TV
		B4										
V 73009	B 73002	038	F	25			160		KROMBACH	SIEKMANN		
		B4	2635	PN40					AV 825			
UV 73010	80 NL 73003 ZB25C1	039	F	80			310		FLOWERVE	FLOWERVE		
		C2	2635	PN40					V726 DCVIN			
V 73011	B 73001	038										TV
		F5										
V 73012	80 NL 73003 ZB25C1	039	F	80			310		KROMBACH	SIEKMANN		
		E3	2635	PN40					AV 825			
V 73013	25 NL 73005 ZB25C1	039	F	25			160		KROMBACH	SIEKMANN		
		C3	2635	PN40					AV 825			
HV 73014	50 NL 73009 ZB25C1	038	F	50			230		FLOWERVE	FLOWERVE		
		F2	2635	PN40					V726 DCVIN			
V 73014	50 N 73004 ZB25C1	038										TV
		B7										
PV 73015	50 N 74095 AA40C1	038	F	50			230		FLOWERVE	FLOWERVE		
		B4	2635	PN40					V726 DCVIN			

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Valve No.	Place of Install.	P & I Sheet	Connection				Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	PN	Type	Length	Height		Manufactor	Supplier	Date of delivery	
Coord.			ANSI							Type	Spec.-No.		
R 73015	50 N 73004 ZB25C1	038											TV
		B5											
V 73015	50 N 73004 ZB25C1	038											TV
		B6											
V 73015 HI	B 73001	038											TV
		D6											
V 73015 H2	B 73001	038											TV
		D6											
V 73015 L1	B73001	038											TV
		D6											
PV 73016	50 NL 73002 ZB25C1	038	F	50			230			FLOWERVE	FLOWERVE		
		E2	2635	PN40						V726 DCVIN			
V 73016	B 73001	038											TV
		E3											
PV 73017	B 73001	038											TV
		E4											
V 73021	B 73001	038											TV
		F3											
V 73022	B 73001	038											TV
		D3											
V 73025	B 73001	038											TV
		F5											
V 73026 HI	B 73001	038											TV
		F4											

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Valve No.	Place of Install.	P & I Sheet	Connection				Measure (mm)		Weight [kg]	Order data			Remarks
		Coord.	Form ANSI	DN	PN	Type	Length Height	Manufactor Type		Supplier Spec.-No.	Date of delivery		
V 73030	B 73001	038 E6											TV
V 73031	W 73001	039 G6											WV
V 73035	50 N 73004 ZB25C1	038 B6											TV
R 73036	80 NL 73001 ZB25C1	038 F5	F 2634	80 PN25		71		RITAG SR 55.40	SIEKMANN				
V 73036	B73001	038 F5											TV
V 73038	B 73001	038 C4											TV
V 73050 H1	300 N 73004 ZB25C1	039 C7	T DIN EN 837-1	4 PN250		70		BOLLIN M02EGM12SP12	SIEKMANN				
V 73051 H1	300 N 73004 ZB25C1	039 C9	T DIN EN 837-1	4 PN250		70		BOLLIN M02EGM12SP12	SIEKMANN				
V 73060	300 N 73004 ZB25C1	039 C10	F 2635	300 PN40		850		ZWICK F1 DN300 PN40	SIEKMANN				
R 73061	300 N 73004 ZB25C1	039 C10	F 2635	300 PN40		114		RITAG ZRD 3	SIEKMANN				
V 73062	25 NL 73005 ZB25C1	039 C10	F 2635	25 PN40		160		KROMBACH AV 825	SIEKMANN				
V 73063	25 NL 73005 ZB25C1	039 C10	F 2635	25 PN40		160		KROMBACH AV 825	SIEKMANN				

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Valve No.	Place of Install.	P & I Sheet	Connection			Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	Type	Length	Height		Manufacturer	Supplier	Date of delivery	
		Coord.	ANSI	PN					Type	Spec.-No.		
V 73064	25 N 73005 AA40C1	039	F	25		160			KROMBACH	SIEKMANN		
		C11	2635	PN40					AV 825			
TV 73081	150 S 84006 BA25C1	039	F	125		400			FLOWERVE	FLOWERVE		
		G7	2635	PN40					V726 DCVRO			
V 73081 HI	W 73001	039										
		G6										WV
H 73082	W 73001	039										
		G6										WV
TV 73090	40 WI 73090 AA10C1	039	F	40		200						
		G11	2633	PN16								
A 73091	25 S 84026 BA25C1	039	F	25		160			SPIRAX SARCO	SPIRAX SARCO		Steam trap
		G8	2635	PN40					TD 32 F			
V 73091	B 73090	039							SPIRAX SARCO	SPIRAX SARCO		
		G10										
V 73093	25 S 84026 BA25C1	039	F	25		160			KROMBACH	SIEKMANN		
		G8	2635	PN40					AV 825			
V 73094	25 S 84026 BA25C1	039	F	25		160			KROMBACH	SIEKMANN		
		G9	2635	PN40					AV 825			
V 73095	25 S 84027 BA25C1	039	F	25		160			KROMBACH	SIEKMANN		
		G9	2635	PN40					AV 825			
V 73101 HI	100 NL 72002 ZB10C1	037	T	4		70			BOLLIN	SIEKMANN		
		E5	DIN EN 837-1	PN250					M02EGM12SP12			
PV 73101	80 NL 73001 ZB25C1	040	F	80		310			FLOWERVE	FLOWERVE		
		A2	2635	PN40					V726 DCVIN			

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Valve No.	Place of Install.	P & I Sheet	Connection			Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	PN	Type	Length		Manufacturer	Supplier	Date of delivery	
		Coord.	ANSI				Height		Type	Spec.-No.		
HV 73110	100 NL 72002 ZB10C1	037	F	100			350		FLOWERVE	FLOWERVE		
		E3	2633	PN16					V726 DCVIN			
UV 73111	W 73101	040	F	80			310					NGV
		A3	2635	PN40					KROMBACH	SIEKMANN		
V 73115	50 NL 73007 ZB25C1	038	F	50			230		AV 825			
		F11	2635	PN40								
F 73116	P 73101	037		65								PUV
		D6		PN10								
X 73116	P 73101	037		65								PUV
		E6		PN10								
V 73116	50 NL 73007 ZB25C1	038	F	10			120					
		F11	2635	PN40								
X 73130	P 73101	037		40								PUV
		D6		PN25								
HV 73150	80 NL 73101 ZB25C1	037	F	80			310		FLOWERVE	FLOWERVE		
		B7	2635	PN40					V726 DCVIN			
V 73150 HI	80 NL 73101 ZB25C1	037	T	4			70		BOLLIN	SIEKMANN		
		D5	DIN EN 837-1	PN250					M02EGM12SP12			
R 73151	80 NL 73101 ZB25C1	037	F	80			71		RITAG	SIEKMANN		
		B7	2634	PN25					SR 55.40			
V 73151 HI	300 N 73105 AA40C1	040	T	4			70		BOLLIN	SIEKMANN		
		B10	DIN EN 837-1	PN250					M02EGM12SP12			
V 73158 HI	300 N 73105 AA40C1	040	T	4			70		BOLLIN	SIEKMANN		
		B9	DIN EN 837-1	250					M02EGM12SP12			



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Valve No.	Place of Install.	P & I Sheet	Connection				Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN		Type	Length	Height		Manufacturer	Supplier	Date of delivery	
				ANSI	PN								
V 73160	300 N 73105 AA40C1	Coord.											
		040	F	300		850		ZWICK	SIEKMANN				
R 73161	300 N 73105 AA40C1	B11	2635	PN40									
		040	F	300		114		RITAG	SIEKMANN				
V 73162	25 N 73105 AA40C1	B10	2635	PN40									
		040	F	25		160		KROMBACH	SIEKMANN				
V 73163	25 N 73105 AA40C1	C10	2635	PN40									
		040	F	25		160		KROMBACH	SIEKMANN				
V 73164	25 N 73105 AA40C1	C11	2635	PN40									
		040	F	25		160		KROMBACH	SIEKMANN				
HV 73170	80 NL 73102 ZB25C1	037	F	80		310							
		C5	2635	PN40				FLOWSERVE	FLOWSERVE				
V 73180	25 WI 73180 AA10C1	40	BW	25									
		E11		10									
V 73181	W 73101	040										NGV	
		E7											
V 73182	W 73101	040	F	25		160						NGV	
		E7	2633	PN16									
H 73186	W 73101	040	T	50								NGV	
		G3											
V 73201 HI	100 NL 72003 ZB10C1	037	T	4		70							
		G5	DIN EN 837-1	PN250				BOLLIN	SIEKMANN				
HV 73210	100 NL 72003 ZB10C1	037	F	100		350							
		H3	2633	PN16				FLOWSERVE	FLOWSERVE				

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Valve No.	Place of Install.	P & I Sheet	Connection			Type	Measure (mm)		Weight [kg]	Order data			Remarks	
			Form ANSI	DN	PN		Length Height	Manufacturer Type		Supplier Spec.-No.	Date of delivery			
F 73216	P 73201	Coord.												
		037											PUV	
X 73216	P 73201	E9												
		037											PUV	
X 73230	P 73201	E9												
		037											PUV	
HV 73250	80 NL 73201 ZB25C1	D9												
		037	F	80		310	FLOWERVE	FLOWERVE						
V 73250 H1	80 NL 73201 ZB25C1	B10	2635	PN40										
		037	T	4		70	BOLLIN	SIEKMANN						
R 73251	80 NL 73201 ZB25C1	D8	DIN EN 837-1	PN250										
		037	F	80		71	RITAG	SIEKMANN						
HV 73270	80 NL 73202 ZB25C1	B10	2634	PN25										
		037	F	80		310	FLOWERVE	FLOWERVE						
H 74010	80 NL 72001 ZB10C1	B8	2635	PN40										
		035	F	80		310	KROMBACH	SIEKMANN						
UV 74090	100 NL 74090 ZB40C1	F12	2635	PN40										
		036	F	100		350	FLOWERVE	FLOWERVE						
V 74090 H1	100 NL 74090 ZB40C1	B11	2635	PN40										
		036	T	4		70	BOLLIN	SIEKMANN						
V 74095	50 N 74095 AA40C1	C10	DIN EN 837-1	PN250										
		036	F	50		230	KROMBACH	SIEKMANN						
V 74095 H1	100 N 74090 AA40C1	B12	2635	PN40										
		036	T	4		70	BOLLIN	SIEKMANN						

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Valve No.	Place of Install.	P & I Sheet	Connection			Measure (mm)	Weight [kg]	Order data			Remarks
		Coord.	Form ANSI	DN PN	Type	Length Height		Manufacturer Type	Supplier Spec.-No.	Date of delivery	
V 74101 H1	80 NL 72001 ZB10C1	036 E4	T DIN EN 837-1	4 PN250		70		BOLLN M02EGM12SP12	SIEKMANN		
HV 74110	80 NL 72001 ZB10C1	036 F3	F 2633	80 PN16		310		FLOWERVE V726 DCVIN	FLOWERVE		
F 74116	P 74101	036 E5		65 PN10							PUV
X 74116	P 74101	036 E5		65 PN10							PUV
X 74130	P 74101	036 D5		40 PN40							PUV
HV 74150	50 NL 74101 ZB40C1	036 B6	F 2635	50 PN40		230		FLOWERVE V726 DCVIN	FLOWERVE		
V 74150 H1	50 NL 74101 ZB40C1	036 D4	T DIN EN 837-1	4 PN250		70		BOLLN M02EGM12SP12	SIEKMANN		
R 74151	50 NL 74101 ZB40C1	036 B6	F 2635	50 PN40		56		RITAG SR 55.40	SIEKMANN		
HV 74170	50 NL 74102 ZB40C1	036 C4	F 2635	25 PN40		160		FLOWERVE V726 DCVIN	FLOWERVE		
V 74170	15 N 87014 AA10C1	036 G3	F 2635	15 PN40		130		KROMBACH AV 825	SIEKMANN		
UV 74171	50 NL 79103 ZB40C1	036 B4	F 2635	50 PN40		230					
V 74180	40 NL 74180 ZB40C1	036 A9	F 2635	40 PN40		200		KROMBACH AV 825	SIEKMANN		



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Valve No.	Place of Install.	P & I Sheet	Connection			Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	Type	Length	Height		Manufacturer	Supplier	Date of delivery	
Coord.			ANSI	PN					Type	Spec.-No.		
V 74185	80 NL 74185 ZB40C1	036	F	80		310			KROMBACH	SIEKMANN		
		A10	2635	PN40					AV 825			
V 74201 H1	80 NL 72004 ZB10C1	036	T	4		70			BOLLIN	SIEKMANN		
		H4	DIN EN 837-1	PN250					M02EGM12SP12			
HV 74210	80 NL 72004 ZB10C1	036	F	80		310			FLOWERVE	FLOWERVE		
		H3	2633	PN16					V726 DCVIN			
F 74216	P 74201	036		65								PUV
		E7		PN10								
X 74216	P 74201	036		65								PUV
		E7		PN10								
X 74230	P 74201	036		40								PUV
		D7		PN40								
HV 74250	50 NL 74201 ZB40C1	036	F	50		230			FLOWERVE	FLOWERVE		
		B8	2635	PN40					V726 DCVIN			
V 74250 H1	50 NL 74201 ZB40C1	036	T	4		70			BOLLIN	SIEKMANN		
		D7	DIN EN 837-1	PN250					M02EGM12SP12			
R 74251	50 NL 74201 ZB40C1	036	F	50		56			RITAG	SIEKMANN		
		B8	2635	PN40					SR 55.40			
HV 74270	50 NL 74202 ZB40C1	036	F	25		160			FLOWERVE	FLOWERVE		
		B7	2635	PN40					V726 DCVIN			
V 74270	15 N 81012 AA10C1	036	F	15		130			KROMBACH	SIEKMANN		
		G6	2635	PN40					AV 825			
UV 74271	50 NL 79203 ZB40C1	036	F	50		230						
		A7	2635	PN40								

AIR LIQUIDE			Complete valve list Tank Farm Area					Diagram No.: 792.86811 Revision: As B. Date: 06.03.2006 Diagram state: As B.				Project: ASU KOSICE TF Project No.: K70101 List State.: As B.		
Valve No.	Place of Install.	P & I Sheet	Connection			Measure (mm)		Weight [kg]	Order data			Remarks		
			Form	DN	Type	Length	Height		Manufacturer	Supplier	Date of delivery			
		Coord.	ANSI	PN					Type	Spec.-No.				
V 74280	40 NL 74280 ZB40C1	036	F	40		200			KROMBACH	SIEKMANN				
		B9	2635	PN40					AV 825					
V 74285	80 NL 74385 ZB40C1	036	F	80		310			KROMBACH	SIEKMANN				
		B10	2635	PN40					AV 825					
V 74380	40 NL 74380 ZB40C1	036	F	40		200			KROMBACH	SIEKMANN				
		B9	2635	PN40					AV 825					
V 74385	80 NL 74385 ZB40C1	036	F	80		310			KROMBACH	SIEKMANN				
		B10	2635	PN40					AV 825					
V 74480	40 NL 74480 ZB40C1	036	F	40		200			KROMBACH	SIEKMANN				
		C9	2635	PN40					AV 825					
V 74485	80 NL 74185 ZB40C1	036	F	80		310			KROMBACH	SIEKMANN				
		C10	2635	PN40					AV 825					
V 77010	350 N 75005 AA40C1	20	F	350		980			ARI	SIEKMANN				
		F12	2635	40					35.006					
V 77041 H1	350 N 75005 AA40C1	020	T	4		70			BOLLIN	SIEKMANN				
		E11	DIN EN 837-1	PN250					M02EGM12SP12					
V 77041 H2	350 N 75005 AA40C1	020	T	4		70			BOLLIN	SIEKMANN				
		E11	DIN EN 837-1	PN250					M02EGM12SP12					
V 77041 L1	350 N 75005 AA40C1	020	T	4		70			BOLLIN	SIEKMANN				
		E11	DIN EN 837-1	PN250					M02EGM12SP12					
V 80020	50 A 81003 AA10C1	025	F	50		230			LVF	SIEKMANN				
		B3	2635	PN40					OSHY BB FB FL					
V 81005	80 N 81002 AA10C1	025	F	80		310			PERSTA	SIEKMANN				
		F3	2635	PN40					200 AE 11.1					

AIR LIQUIDE			Complete valve list Tank Farm Area					Diagram No.: 792.86811 Revision: As B. Date: 06.03.2006 Diagram state: As B.			Project: ASU KOSICE TF Project No.: K70101 List State.: As B.		
Valve No.	Place of Install.	P & I Sheet	Connection			Measure (mm)		Weight [kg]	Order data			Remarks	
			Form	DN	Type	Length	Height		Manufacturer	Supplier	Date of delivery		
Coord.			ANSI	PN					Type	Spec.-No.			
V 81007	25 N 81031 AA10C1	025	F	25		160							
		F3	2633	PN16									
V 81010 H1	80 N 81015 AA10C1	025	T	4		70			BOLLIN	SIEKMANN			
		E4	DIN EN 837-1	250					M02EGM12SP12				
PV 81020	25 O 81020 ZB40C1	025	F	25		160							
		F10	2635	PN40									
R 81020	25 O 81020 ZB40C1	025	F	25		35,5			RITAG	SIEKMANN			
		F10	2635	PN40					SR 55.40				
V 81020	25 O 81020 ZB40C1	025	F	25		160			KROMBACH	SIEKMANN			
		F10	2635	PN40					AV 825				
PV 81040	50 N 20017 AA16C1	025	F	50		230			MANKENBERG	SIEKMANN			
		E2	2633	PN16					652 F				
R 81040	50 N 20017 AA16C1	025	F	50		40			RITAG	SIEKMANN			
		E2	2633	PN16					SR 22.40				
V 81040	50 N 20017 AA16C1	025	F	50		230			PERSTA	SIEKMANN			
		E1	2635	PN40					200 AE 21.1				
PV 81041	80 N 81001 AA16C1	025	F	50		230			MANKENBERG	SIEKMANN			
		D3	2633	PN16					652 F				
R 81041	80 N 81001 AA16C1	025	F	50		40			RITAG	SIEKMANN			
		D3	2633	PN16					SR 22.40				
V 81041	80 N 81001 AA16C1	025	F	80		310			PERSTA	SIEKMANN			
		C3	2635	PN40					200 AE 11.1				
H 81050	50 N 81004 AA10C1	025	F	50		230			BAC VALVES	SIEKMANN			
		F7	2635	PN40					FBT				

	<h2 style="margin: 0;">Complete valve list</h2> <h3 style="margin: 0;">Tank Farm Area</h3>	Diagram No.: 792.86811 Revision: As B. Date: 06.03.2006 Diagram state: As B.	Project: ASU KOSICE TF Project No.: K70101 List State.: As B.
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Valve No.	Place of Install.	P & I Sheet	Connection				Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	Type	Length	Height	Manufacturer		Supplier	Date of delivery		
		Coord.	ANSI	PN									
V 82016	50 A 81003 AA10C1	025	F	50			230				PERSTA	SIEKMANN	
		B5	2635	PN40									
PV 82020	50 A 81003 AA10C1	025	F	2"			230				MANKENBERG	SIEKMANN	
		D5	2633	PN16									
R 82020	50 A 81003 AA10C1	025	F	50			20				RITAG	SIEKMANN	
		C5	2633	PN16									
V 82022 HI	50 A 81003 AA10C1	025	T	4			70				BOLLIN	SIEKMANN	
		C5	DIN EN 837-1	250									
V 82023	50 A 81003 AA10C1	025	F	50			230				PERSTA	SIEKMANN	
		B5	2635	PN40									
V 82061	25 A 15047 AA10C1	025	F	25			160				BOLLIN	BOLLIN	
		D6	2633	PN16									
V 82062	25 A 15047 AA10C1	025	F	25			160				BOLLIN	BOLLIN	
		E6	2633	PN16									
V 82071	25 A 15048 AA10C1	025	F	25			160				BOLLIN	BOLLIN	
		D7	2633	PN16									
V 82072	25 A 15048 AA10C1	025	F	25			160				BOLLIN	BOLLIN	
		E7	2633	PN16									
V 82081	25 A 15049 AA10C1	025	F	25			160				BOLLIN	BOLLIN	
		D9	2633	PN16									
V 82082	25 A 15049 AA10C1	025	F	25			160				BOLLIN	BOLLIN	
		E9	2633	PN16									
V 82091	25 A 15050 AA10C1	025	F	25			160				BOLLIN	BOLLIN	
		D10	2633	PN16									



Complete valve list

Tank Farm Area

Diagram No.: 792.86811

Revision: As B.

Date: 06.03.2006

Diagram state: As B.

Project: ASU KOSICE TF

Project No.: K70101

List State.: As B.

Valve No.	Place of Install.	P & I Sheet	Connection				Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN		Type	Length	Height		Manufacturer	Supplier	Date of delivery	
				ANSI	PN								
V 82092	25 A 15050 AA10C1	Coord.	ANSI	PN	25	PN16	160			BOLLIN	BOLLIN		
		F	25										
		2633	PN16										
V 82101	25 A 15051 AA10C1	025	F	25	PN16	160				BOLLIN	BOLLIN		
		E10	2633	PN16									
		025	F	25									
V 82102	25 A 15051 AA10C1	D11	2633	PN16	PN16	160				BOLLIN	BOLLIN		
		025	F	25									
		E11	2633	PN16									
V 84010 H1	200 S 84001 BA25C1	031	T	4	250	70				BOLLIN	SIEKMANN		
		C2	DIN EN 837-1	250									
		031	F	100									
V 84011	200 S 84001 BA25C1	C9	2635	PN40	PN40	350				PERSTA	SIEKMANN		
		031	F	200									
		B2	2635	PN40									
V 84012	200 S 84001 BA25C1	031	F	100	PN40	350				PERSTA	SIEKMANN		
		C9	2635	PN40									
		031	F	200									
V 84020	200 S 84001 BA25C1	B12	2634	PN25	PN25	160				GESTRA	SIEKMANN		
		031	F	25									
		E2	2635	PN40									
V 84022	200 S 84001 BA25C1	031	F	25	PN40	160				PERSTA	SIEKMANN		
		B12	2634	PN25									
		031	F	200									
A 88001	25 S 84016 BA25C1	E2	2635	PN40	PN40	160				BK45	SIEKMANN		
		031	F	25									
		E2	2635	PN40									
V 88081	25 S 84016 BA25C1	031	F	25	PN40	160				PERSTA	SIEKMANN		
		E2	2635	PN40									
		031	F	25									
V 88082	25 S 84017 BA25C1	E2	2635	PN40	PN40	160				PERSTA	SIEKMANN		
		031	F	25									
		E2	2635	PN40									