

AIR LIQUIDE

Complete valve list

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

COVER - SHEET

Distribution	
Name	Department
H. Dr. Krey	IV.Z
H. Dr. Nipper	IA.Z
H. Dräger	IC.Z
H. Eichler	IE.Z
H. Gottschalk	IF.HU
H. Löbig	IV.HU
H. Rixgens	IP.Z
H. Schürgers	IM.Z
H. Siudak	IM.Z
H. Woller	IE.Z

Processing

Date	Name	Checked by	Status
25.09.2004	Rüdiger	Chiran	Rev.0

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

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Valve No.	Place of Install.	P & I Sheet Coord.	Connection			Measure (mm)		Weight [kg]	Order data			Remarks
			Form ANSI	DN	PN	Type	Length Height		Manufacturer Type	Supplier Spec.-No.	Date of delivery	
F 10001	1100 A 10001 AA10C1	001	BW	1100	10							
		D1										
N 10001	1100 A 10001 AA10C1	001	BW	1100	10							
		D2										
X 10001	1100 A 10001 AA10C1	001	BW	1100	10							
		A1										
X 10002	1100 A 10001 AA10C1	001	BW	1100	10							
		D2										
N 11002	600 A 11001 AA10C1	001	F	600	10							
		D10	2633									
X 11030	600 A 11001 AA10C1	001	BW	600	10							
		D9										
RV 11070	600 A 11001 AA10C1	001	F	600	10							
		D11	2633									
X 11070	600 A 11001 AA10C1	001	BW	600	10							
		D11										
FK 11074	400 A 11002 AA10C1	001	F	400	PN10							
		B10	2633									
K 11505	300 WC 80002 AA10C2	001	F	300	PN10		850					
		F2	2633									
K 11508	150 WC 80014 AA10C2	001	F	150	PN10		480					
		G2	2633									
K 11590	300 WC 11003 AA10C2	001	F	300	PN10		850					
		G2	2633									

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			Form	ANSI	DN	PN	Type		Manufacturer	Supplier	Date of delivery	
V 12001	100 WC 14005 AA16C2	002	F	2633	15	PN10		130				
V 12002	100 WC 14006 AA16C2	B11	F	2633	15	PN10		130				
FV 12005	80 WC 12003 AA10C2	002	F	2633	50	PN10		230				
K 12006	100 WC 14006 AA16C2	B9	BW	2633	100	PN10		350				
K 12008	100 WC 14005 AA16C2	002	BW	2633	100	PN10		350				
K 12011	100 WC 14002 AA16C2	002	BW	2633	100	PN16		350				
K 12070	100 WC 80011 AA10C2	002	BW	2633	100	PN10		350				
V 12071	150 WC 13020 AA10C2	002	F	2633	15	PN10		130				
K 12072	150 WC 13020 AA10C2	002	BW	2633	150	PN10		480				
K 12074	80 WC 13026 AA10C2	002	BW	2633	80	PN10		310				
H 13003 HI	80 WC 13032 AA10C2	002	F	2633	80	PN10		310				
H 13003 LI	80 WC 13033 AA10C2	002	F	2633	80	PN10		310				

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			Form	DN	Type	Length	Manufacturer	Supplier		Date of delivery			
											ANSI	PN	
R 13003	200 WC 13020 AA10C2	Coord.											
		002	F	200	310								
H 13004 H1		E7	2633	PN10									
		002	F	80	310								
H 13004 L1		D4	2633	PN10									
		002	BW	80	310								
H 13005 H1	200 WC 13020 AA10C2	B4		PN10									
		002	F	50	230								
FK 13006	100 WC 14006 AA16C2	F6	2633	PN10									
		002	F	100	350								
FK 13007	200 WC 80007 AA10C2	C6	2633	PN10									
		002	F										
FK 13008	200 WC 13020 AA10C2	D6	2633	PN10									
		002	F	200	600								
H 13013 H1	80 WC 13030 AA10C2	F6	2633	PN10									
		002	F	80	130								
H 13013 H2	80 WC 13030 AA10C2	E4	2633	PN10									
		002	T	1/2"	130								
H 13013 H2	80 WC 13032 AA10C2	E4	DIN ISO 228-1	PN10									
		002	T	15	130								
H 13013 L1	80 WC 13031 AA10C2	E6	DIN ISO 228-1	PN10									
		002	F	80	310								
H 13013 L2		E4	2633	PN10									
		002	T	1/2"	130								

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			Form	DN	PN	Type	Length		Manufacturer	Supplier	Date of delivery	
H 13013 L2	80 WC 13033 AA10C2	002	T	15	PN10		130					
		D6	DIN ISO 228-1									
H 13080	250 WC 80004 AA10C2	002	T	1/2"	PN10		130					
		E10	DIN ISO 228-1									
H 13088	200 WC 80007 AA10C2	002	T	15	PN10		130					
		D7	DIN ISO 228-1									
F 13110	200 WC 80006 AA10C2	002	F	200	PN10		600					
		D9	2633									
H 13120 H1	200 WC 80007 AA10C2	002	T	1/2"	PN10		130					
		D8	DIN EN 837-1									
K 13140	200 WC 80006 AA10C2	002	F	200	PN10		600					
		D10	2633									
R 13150	200 WC 80007 AA10C2	002	F	200	PN10		600					
		D7	2633									
K 13151	200 WC 80007 AA10C2	002	F	200	PN10		600					
		D7	2633									
H 13180	200 WC 80006 AA10C2	002	T	15	PN10		130					
		D9	DIN ISO 228-1									
H 13181	200 WC 80007 AA10C2	002	T	15	PN10		130					
		D7	DIN ISO 228-1									
F 13210	200 WC 80008 AA10C2	002	F	200	PN10		600					
		E9	2633									
H 13220 H1	200 WC 80009 AA10C2	002	T	1/2"	PN10		130					
		D8	DIN EN 837-1									

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			Form	DN		Type	Length	Height		Manufacturer	Supplier	Date of delivery	
				ANSI	PN								
K 13240	200 WC 80008 AA10C2	Coord.											
		002	F	200		600							
K 13251	200 WC 80009 AA10C2	E10	2633	PN10									
		002	F	200		600							
H 12003	80 WC 12003 AA10C2	E7	2633	PN10									
		003	BW	15									
H 14003 H1	80 WC 14030 AA10C2	B6		PN10									
		003	F	80		310							
H 14003 H2	80 WC 14030 AA10C2	E8	2633	PN10									
		003	T	1/2"		130							
H 14003 L1	80 WC 14031 AA10C2	E8	DIN ISO 228-1	PN10									
		003	F	80		350							
H 14003 L2	80 WC 14031 AA10C2	D8	2633	PN10									
		003	T	1/2"		130							
LK 14003	100 WC 80011 AA10C2	C8	DIN ISO 228-1	PN10									
		003	F	100		350							
H 14006	100 WC 80011 AA10C2	C8	2633	PN10									
		003	T	1/2"		130							
F 14010	80 WC 13021 AA10C2	G9	DIN ISO 228-1	PN10									
		003	F	80		310							
K 14010	80 WC 13021 AA10C2	G5	2633	PN10									
		003	BW	80		310							
TV 14010	80 WC 13021 AA10C2	G5		PN10									
		003	F	80		310							

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			Form ANSI	DN	PN	Type	Length	Height		Manufacturer Type	Supplier Spec.-No.	Date of delivery	
H 14012	80 WC 13021 AA10C2	003	T	1/2"	PN10		130						
H 14080	150 WC 14001 AA10C2	H9	DIN ISO 228-1	PN10									
H 14081	100 WC 14002 AA16C2	003	T	15	PN10		130						
H 14088	100 WC 14002 AA16C2	E6	DIN ISO 228-1	PN10									
		003	T	1/2"	PN10		130						
		C2	DIN ISO 228-1	PN10									
		003	T	1/2"	PN10		130						
		C3	DIN ISO 228-1	PN10									
F 14110	150 WC 14001 AA10C2	003	F	150	PN10		480						
		E5	2633	PN10									
F 14120	150 WC 14003 AA10C2	003	F	150	PN10		480						
		F5	2633	PN10									
H 14120 HI	100 WC 14002 AA16C2	003	T	1/2"	PN10		130						
		D3	DIN EN 837-1	PN10									
K 14130	150 WC 14001 AA10C2	003	F	150	PN10		480						
		E5	2633	PN10									
R 14140	100 WC 14002 AA16C2	003	F	100	PN10		350						
		D3	2633	PN10									
K 14141	100 WC 14002 AA16C2	003	F	100	PN10		350						
		D3	2633	PN10									
H 14180	150 WC 14001 AA10C2	003	T	1/2"	PN10		130						
		E5	DIN ISO 228-1	PN10									
H 14181	100 WC 14002 AA16C2	003	T	1/2"	PN10		130						
		D3	DIN ISO 228-1	PN10									

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			Form	DN		Type	Length	Height	Manufacturer		Supplier	Date of delivery		
				ANSI	PN								Spec.-No.	
H 14220 H1	100 WC 14004 AA16C2	Coord.	003	T	1/2"	PN10	130							
		F3	DIN EN 837-1	F	150	PN10	480							
K 14230	150 WC 14003 AA10C2	003	F	2633	100	PN10	350							
		F5	F	2633	100	PN10	350							
R 14240	100 WC 14004 AA16C2	003	F	2633	100	PN10	130							
		F3	F	2633	100	PN10	130							
K 14241	100 WC 14004 AA16C2	003	T	DIN ISO 228-1	1/2"	PN10	130							
		F4	T	DIN ISO 228-1	1/2"	PN10	130							
H 14280	150 WC 14003 AA10C2	003	F	600	PN10									
		E3	2633	25										
PK 15041	600 N 20011 AA10C1	003	BW											
		D9												
A 15011	25 C 15020 AA10C1	004												
		G4												
UK 15011	700 A 13001 AA10C1	004	F	700	PN10									
		F5	F	600	PN10									
UK 15012	600 N 15010 AA10C1	004	2633	100										
		E5	F	100	PN10									
UK 15013	100 N 15011 AA10C1	004	2633	100										
		D5	BW											
V 15013	100 N 15011 AA10C1	004												
		E5												

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			Form ANSI	DN	PN	Type	Length Height		Manufacturer Type	Supplier Spec.-No.	Date of delivery	
UK 15014	600 N 15008 AA10C1	004	F	600	PN10							
		C5	2633									
UK 15016	700 A 15001 AA10C1	004	F	700	PN10							
		B5	2633									
UK 15017	100 A 15004 AA10C1	004	F	100	PN10		350					
		C5	2633									
V 15017	100 A 15004 AA10C1	004	F	100	PN10		350					
		C6	2633									
UK 15018	100 A 13003 AA10C1	004	F	100	PN10		350					
		G5	2633									
A 15021	25 C 15021 AA10C1	004	F	25	PN10							
		G7	2633									
UK 15021	700 A 13002 AA10C1	004	F	700	PN10							
		F7	2633									
V 15021 H1	700 A 15001 AA10C1	004	T	1/2"	PN10		130					
		C4	DIN EN 837-1									
UK 15022	600 N 15012 AA10C1	004	F	600	PN10							
		E6	2633									
V 15022 H1	700 A 15003 AA10C1	004	T	1/2"	PN10		130					
		C8	DIN EN 837-1									
UK 15023	100 N 15013 AA10C1	004	F	100	PN10		350					
		D7	2633									
UK 15024	600 N 15008 AA10C1	004	F	600	PN10							
		C6	2633									

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			Form	DN	Type	Length	Height		Manufacturer Type	Supplier Spec.-No.	Date of delivery	
UK 15026	700 A 15003 AA10C1	004 B6	F 2633	700 PN10								
UK 15028	100 A 13004 AA10C1	004 G6	F 2633	100 PN10		350						
V 15031 H1	700 A 15002 AA10C1	004 B7	T DIN EN 837-1	1/2" PN10		160						
V 15031 L1	700 A 15002 AA10C1	004 B8	T DIN EN 837-1	1/2" PN10		160						
H 15035 L1	700 A 15002 AA10C1	004 B10										
V 15035 H1	700 A 15002 AA10C1	004 B8	T DIN EN 837-1	1/2" PN10		130						
V 15035 H3	700 A 15002 AA10C1	004 B10	T DIN EN 837-1	1/2" PN10		160						
V 15035 H4	700 A 15002 AA10C1	004 B10										
UV 15037	400 A 15015 AA10C1	004 G10	F 2633	PN10								
V 15037 H1	400 A 15015 AA10C1	004 G10	T DIN EN 837-1	1/2" PN10		130						
V 15038 H2	700 A 15002 AA10C1	004 B8	T DIN EN 837-1	1/2" PN10		160						
H 15085	25 C 15020 AA10C1	004 G4	BW	25 PN10		160						

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			Form	DN	Type	Length	Height		Manufacturer	Supplier	Date of delivery	
			ANSI	PN					Type	Spec.-No.		
V 15085	25 C 15020 AA10C1	004	F	25		160						
		F4	2633	PN10								
H 15087	25 C 15021 AA10C1	004	BW	25		160						
		G7		PN10								
V 15088	25 C 15021 AA10C1	004	F	25		160						
		G7	2633	PN10								
R 15092	80 A 15018 AA10C1	004	F	80		310						
		D10	2633	PN10								
V 15092	80 A 15018 AA10C1	004	F	80		310						
		D10	2633	PN10								
V 15094	80 A 15018 AA10C1	004	F	80		310						
		E11	2633	PN10								
V 15096	25 C 15020 AA10C1	004	F	25		160						
		F3	2633	PN10								
H 15099	25 C 15021 AA10C1	004	F	25		160						
		F8	2633	PN10								
V 15041 H1	500 N 20010 AA10C1	005	T	1/2"		130						
		C9	DIN EN 837-1	PN10								
V 15041 H2	500 N 20010 AA10C1	005										
		G4										
V 15041 L1	500 N 20010 AA10C1	005										
		G4										
UK 15042	500 N 20010 AA10C1	005	F	500								
		F9	2632	PN10								

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			Form	DN		Type	Length	Height	Manufacturer		Supplier	Date of delivery		
				ANSI	PN									
		Coord.												
TV 15043	25 C 15022 BA25C1	005	F	25			160							
		F8	2634	PN25										
V 15043 HI	600 N 15006 AA10C1	005	T	1/2"			130							
		D6	DIN EN 837-1	PN10										
UK 15044	500 N 20012 AA10C1	005	F	500										
		E8	2633	PN10										
UK 15045	500 N 20016 AA10C1	005	F	500										
		E3	2633	PN10										
V 15046	25 C 15023 BA25C1	005	F	25			160							
		F8	2634	PN25										
V 15081	W15001	005												
		D8												
V 15082	25 C 15024 BA25C1	005	F	25			160							
		E9	2634	PN25										
V 15083	25 C 15022 BA25C1	005	F	25			160							
		E8	2634	PN25										
H 15086	25 C 15022 BA25C1	005	BW	25										
		E8		PN25										
A 84024	25 S 84031 BA25C1	005												
		C8		PN25										
V 84025	100 S 84002 BA25C1	005	F	100			350							
		C7	2634	PN25										
V 84092	25 S 84030 BA25C1	005	F	25			160							
		C8	2633	PN25										

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			Form	DN	Type	Length	Height		Manufacturer	Supplier	Date of delivery	
V 84093	25 S 84031 BA25C1	005	F	25			160					
		B8	2633	PN25								
H 87010	100 N 20013 AA10C1	005	F	100			350					
		B11	2633	PN10								
N 16003	250 A 16001 AA63C1	006	F	250								
		D10	2632	PN10								
HV 16007		006	F	500								
		C1	2633	PN10								
N 16007	500 A 15005 AA10C1	006	F	500								
		D1	2632	PN10								
V 16055 H2	250 A 16001 AA63C1	006	T	1/2"			130					
		D10	DIN EN 837-1	PN10								
HV 16071	150 A 16002 AA63C1	006	F	150			480					
		B9	2636	PN63								
HK 16073	250 A 16001 AA63C1	006	F	250			730					
		D10	2636	PN63								
V 16073 H1	250 A 16001 AA63C1	006										
		D11										
V 16073 L1	250 A 16001 AA63C1	006										
		D12										
FV 16074		006										
		B6										
K 16630	300 WC 80003 AA10C2	006	F	300			850					
		F2	2633	PN10								

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			Form ANSI	DN	PN	Length	Height		Manufacturer Type	Supplier Spec.-No.	Date of delivery	
K 16631	150 WC 80015 AA10C2	006 F2	F 2633	125 PN10		480						
K 16632	300 WC 16003 AA10C2	006 G2	F 2633	300 PN10		850						
HK 20026	500 A 15002 AA10C1	006 A3	F 2633	500 PN10								
HK 20027	150 A 15009 AA10C1	006 A2	F 2633	150 PN10		480						
V 11106	25 A 16004 AA63C1	007 B10	BW	25 PN63		160						
PV 24010	25 A 16004 AA63C1	007 B10	F 2636	40 PN63		200						
F 24101	ET24101 / Turbine 1	007 D7	F 2633	100 PN10								
UK 24101	ET24101 / Turbine 1	007 D5	F 2633	100 PN10		350						
V 24101 HI	100 A 20002 MA__W	007 D9										
V 24101 LI	100 A 20002 MA__W	007 D9										
K 24102		007 E8	F 2633	200 PN10		600						
V 24102 HI	ET24101 / Turbine 1	007 E5										

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			Form	DN		Type	Length	Height		Manufacturer	Supplier		
				ANSI	PN						Type	Spec.-No.	
V 24106	ET24101	Coord.											
		007		I 5									
		E5											
		007											
V 24107 HI		D5											
		007											
V 24108 HI	ET24101 / Turbine 1	D5											
		007											
K 24110		007	F	100		350							
		D8	2633	PN10									
V 24180	100 A 20002 MA__W	007	F	80		310							
		C8											
V 34182	40 A 15030 AA10C1	007	BW	40		200							
		F8		PN10									
V 34183	25 A 24106 AA10C1	007	BW	25		160							
		F8		PN10									
F 24201	100 A 20001 MA-W	008	F	100									
		D6											
UK 24201	100 A 20001 MA-W	008	F	100		350							
		D6											
V 24201 HI	100 A 20001 MA-W	008											
		D9											
V 24201 LI	100 A 20001 MA-W	008											
		D8											
K 24202	200 A 24205 MA__W	008	F	200		600							
		E8		PN10									

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Complete valve list

Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

Valve No.	Place of Install.	P & I Sheet Coord.	Connection			Measure (mm)		Weight [kg]	Order data			Remarks
			Form ANSI	DN	PN	Type	Length Height		Manufacturer Type	Supplier Spec.-No.	Date of delivery	
V 24202 H1	150 A 24205 MA__W	008 E5										
V 24206	ET24101 / Turbine 2	008 E4										
V 24207 H1	100 A 20001 MA-W	008 D5										
V 24208 H1	100 A 20001 MA-W	008 E5										
K 24210	100 A 20001 MA-W	008 D8	F	100			350					
V 24280		008 C8	F	80			310					
V 34282	40 A 15031 AA10C1	008 F7	BW	40	PN10		200					
V 34283	25 A 24206 AA10C1	008 F8	BW	25	PN10		160					
TV 20008	300 AL 21005 MA--W	009 F5	BW	150								
V 20029 H1	700 N 20011 AA10C1	009 A5	T DIN EN 837-1	1/2"	PN10		130					
V 21060 H1	B21001 / N5.1	009 G8										
V 21060 H2	B21001 / N5.2	009 G8										

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Complete valve list

Project: ASU No9 KOSICE
Project No.: K70101
List State: Rev0

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

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 21060 L1	B21001 / N6	009										
		F8										
FV 20001	100 N 20004 ZB40C1	010	F	100			350					
		C10	2636	PN63								
R 20001	100 N 20004 ZB40C1	010	F	100			350					
		C11	2636	PN63								
V 20001 H1	100 N 20004 ZB40C1	010										
		B8										
V 20001 H2	100 N 20004 ZB40C1	010	T	1/2"			130					
		C7	DIN EN 837-1	PN10								
V 20001 H3	100 N 20004 ZB40C1	010	T	1/2"			130					
		C5	DIN EN 837-1	PN10								
V 20001 L1	100 N 20004 ZB40C1	010										
		B8										
FV 20002	80 N 20018 ZB40C1	010	F		PN63							
		B10										
HV 20003	100 N 20005 AA63C1	010	BW	100			350					
		C11		PN63								
V 20003 H1	100 N 20005 AA63C1	010										
		B11										
V 20003 H2	100 N 20005 AA63C1	010	T	1/2"			130					
		C11	DIN EN 837-1	PN10								
V 20003 L1	100 N 20005 AA63C1	010										
		B11										


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Complete valve list

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

Project: ASU No9 KOSICE
Project No.: K70101
List State: Rev0

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 20004	15 N 20028 AA40C1	010	T	15			130					
		D11		PN40								
FV 20005	600 N 20008 AA10C1	010	F	600								
		E9	2633	PN16								
V 20005 H1	600 N 20008 AA10C1	010										
		E6										
V 20005 H2	600 N 20008 AA10C1	010	T	1/2"			130					
		E6	DIN EN 837-1	PN10								
V 20005 H3	600 N 20008 AA10C1	010	T	1/2"			130					
		E4	DIN EN 837-1	PN10								
V 20005 L1	600 N 20008 AA10C1	010										
		E7										
FV 20006	400 N 20017 AA10C1	010	F									
		E8	2633	PN16								
FV 20011	250 O 20006 ZB40C1	010	F	250			730					
		H7	2635	PN40								
R 20011	250 O 20006 ZB40C1	010	F	250			730					
		G8	2635	PN40								
V 20011 H1	250 O 20006 ZB40C1	010										
		G5										
V 20011 H2	250 O 20006 ZB40C1	010	T	1/2"			130					
		G4	DIN EN 837-1	PN40								
V 20011 H3	250 O 20006 ZB40C1	010	T	1/2"			130					
		G2	DIN EN 837-1	PN40								

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Complete valve list

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

Valve No.	Place of Install.	P & I Sheet	Connection				Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	Type	Length	Manufacturer	Supplier		Date of delivery			
											ANSI	PN	
V 20011 L1	250 O 20006 ZB40C1	010											
		G5											
FV 20012	200 O 200019 ZB40C1	010	F	150		480							
		G7	2636	PN40									
V 20012 H1	250 O 20006 ZB40C1	010	T	1/2"		130							
		G3	din en 837-1	PN40									
HV 20013	250 O 20007 ZB40C1	010	BW										
		G11		PN40									
V 20013 H1	250 O 20006 ZB40C1	010											
		G10											
V 20013 H2	250 O 20006 ZB40C1	010	T	1/2"		130							
		G9	DIN EN 837-1	PN40									
V 20013 L1	250 O 20006 ZB40C1	010											
		G10											
HV 20014	250 O 20006 ZB40C1	010	BW	250		730							
		G11		PN40									
V 20028	15 N 20028 AA40C1	010	T	15		130							
		D11		PN40									
LV 22001	50 O 61102 MA__W	011	BW										
		F10											
V 22002	50 O 61111 MA--W	011	BW	50		230							
		F11		PN10									
FV 23013	50 NL 23003 ZB16C1	011	F	50		230							
		D10	2633	PN16									

Complete valve list

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

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 23013 HI	50 NL 23003 ZB16C1	011 C7										
V 23014	40 NL 73001 MA__W	011 D11	BW	40		200						
V 23015	25 AL 23009 MA__W	011 G8	T	25								
V 23016 HI	50 O 61102 MA__W	011 F7										
V 23017	25 NL 23008 ZB10C1	011 A10	T	25								
FV 23073	50 N 23010 ZB16C1	011 D10	F									
LV 23076	50 O 61103 ZB16C1	011 F10	2633	PN16								
HV 61103	15 OL 61107 ZB10C1	012 D6	F	15		130						
HV 61110	200 OL 21007 MA__W	012 D9	2633	PN10		600						
F 61130	200 OL 21007 MA__W	012 D6	BW	200								
V 61130 HI	200 OL 21007 MA__W	012 D6										
R 61151	100 OL 61101 MA__W	012 D5	T	1/2"								
			F	100		350						
			2635	PN40								


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Complete valve list

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

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 61152	100 OL 61101 MA__W	012	BW	100		350						
		D4		PN40								
PV 61170	100 OL 61105 ZB40C1	012	BW	100		350						
		B5		PN40								
V 61170 H1	100 OL 61105 ZB40C1	012	SW	1/2"		130						
		B5		PN40								
V 61171	100 OL 61105 ZB40C1	012	BW	100		350						
		B5		PN40								
V 61180	15 N 81005 AA10C1	012	T	15		130						
		C8		PN10								
V 61181	15 O 81028 ZB10C1	012	T	15		130						
		C8		PN10								
V 61190	25 A 15033 AA10C1	012	F	25		160						
		E5	2635	PN40								
R 61191	25 A 15033 AA10C1	012	F	25		160						
		D5	2635	PN40								
V 61192	25 OL 61104 ZB16C1	012	F	25		160						
		D5	2633	PN16								
V 61193	25 OL 61110 ZB10C1	012	F	25		160						
		E7	2633	PN10								
HV 61203	15 OL 61207 ZB10C1	012	F	15		130						
		G4	2633	PN16								
HV 61210	200 OL 21008 ZB16C1	012	BW	200		600						
		G9		PN16								

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Complete valve list

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

Project: ASU No9 KOSICE
Project No.: K70101
List State: Rev0

Valve No.	Place of Install.	P & I Sheet Coord.	Connection			Measure (mm)		Weight [kg]	Order data			Remarks
			Form ANSI	DN PN	Type	Length Height	Height		Manufacturer Type	Supplier Spec.-No.	Date of delivery	
F 61230	200 OL 21008 ZB16C1	012	F	200		600						
		G4	2633	PN10								
V 61230 H1	200 OL 21008 ZB16C1	012	T	1/2"								
		G4		PN16								
R 61251	100 OL 61201 ZB40C1	012	F	100		350						
		G3	2635	PN40								
V 61252	100 OL 61201 ZB40C1	012	BW	100		350						
		G2		PN40								
PV 61270	100 OL 61205 ZB40C1	012	BW									
		E3		PN40								
V 61270 H1	100 OL 61205 ZB40C1	012	T	1/2"								
		F2		PN40								
V 61271	100 OL 61205 ZB40C1	012	BW	100		350						
		C3		PN40								
V 61280	15 N 81006 AA10C1	012	T	15		130						
		F6		PN10								
V 61281	15 O 81021 ZB10C1	012	T	15		130						
		F6		PN10								
V 61290	25 A 15037 AA10C1	012	F	25		160						
		H3	2635	PN40								
R 61291	25 A 15037 AA10C1	012	F	25		160						
		G3	2635	PN40								
V 61292	25 OL 61204 ZB10C1	012	BW	25		160						
		H2		PN16								



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Complete valve list

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

Project: ASU No9 KOSICE
Project No.: K70101
List State: Rev0

Valve No.	Place of Install.	P & I Sheet		Connection			Measure (mm)	Weight [kg]	Order data			Remarks
		Coord.	Form	ANSI	DN	Type	Length	Height	Manufacturer	Supplier	Date of delivery	
V 61293	50 OL 21009 ZB16C1	012	F		50		230					
		H5	2633		PN16							
LV 21060	150 AL 23002 MA_W	013	BW		150		480					
		C3										
V 22001 L1	K22001	013										
		F8										
V 22001 L2	K22001	013										
		E8										
V 22002 H1	K22001	013										
		E6										
V 22003 H1	K22001	013										
		E6										
V 22004 H1	K22001	013										
		D6										
V 22005 H1	K22001	013										
		C8										
S 22008 H1	500 N 22007 MA_W	013										
		B5										
V 22009 H1	K22001	013										
		C8										
V 22010 H2	K22001	013										
		B8										
FV 22013	150 O 22002 MA-W	013	BW		125		480					
		E3										



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Complete valve list

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

Project: ASU N09 KOSICE
Project No.: K70101
List State: Rev0

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	
FV 22013	150 NL 23007 MA_W	013											
		B3											
V 22013 H1	150 NL 23007 MA_W	013											
		B2											
V 22013 L1	150 NL 23007 MA_W	013											
		B2											
V 22015	50 N 21027 MA_W	013		BW	50		230						
		D3											
FV 22043	150 O 22002 MA-W	013											
		F3											
V 22043 H1	150 O 22002 MA-W	013											
		F4											
V 22043 L1	150 O 22002 MA-W	013											
		F3											
V 21002 H1	K21001	014											
		D8											
V 21002 H2	B21002	014											
		D11											
V 21002 H3	B21002	014											
		D11											
V 21003 H1	K21001	014											
		F8											
V 21003 H2	K21001	014											
		D8											

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Complete valve list

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: Rev/P1

Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

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 21003 H2	K21001	Coord.											
		014											
		F8											
V 21003 L1	K21001	014											
		F8											
V 21004 H1	K21001	014											
		E8											
HV 21006	200 NL 21017 MA__W	014	BW	200		600							
		D7											
V 21008	25 N 21025 MA__W	014	F	25		160							
		A7	2633	PN10									
V 21010	80 N 21019 MA__W	014	BW	80		310							
		B11											
HV 21014	100 AL 21002 MA__W	014	BW	100		350							
		E4											
V 21017	50 N 21021 MA__W	014	BW	50		230							
		C5											
V 21081	50 OL 21024 ZB16C1	014	F	50		230							
		G7	2633	PN16									
LV 22002	50 O 61111 MA--W	014	F	50		160							
		B3	2633	PN10									
V 22002 L1	80 N 21019 MA__W	014											
		B11											
V 22006 H1	K22001	014											
		C8											

Complete valve list

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

Valve No.	Place of Install.	P & I Sheet	Connection				Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	Type	Length	Manufacturer	Supplier		Date of delivery			
											ANSI	PN	
V 22006 H2	K22001	Coord.											
		014											
		C8											
V 22006 L1	K22001	014											
		B8											
V 22011 H1	K22001	014											
		C8											
V 22011 L1	K22001	014											
		B8											
V 22011 L2	K22001	014											
		B5											
V 61108	25 O 61108 ZB16C1	014	BW	25			160						
		B2		PN16									
HV 73001	40 NL 73001 MA__W	014	F	40			200						
		E3	2633	PN10									
V 73081	25 NL 73017 ZB16C1	014	F	25			160						
		E2	2633	PN16									
HV 71103	15 NL 71104 ZB10C1	015	F	15			130						
		D7	2633	PN10									
HV 71110	80 NL 21013 MA__W	015	BW	80			310						
		D9											
F 71130	80 NL 21013 MA__W	015	F	80									
		D7											
V 71130 H1	80 NL 21013 MA__W	015	T	1/2"									
		D6		PN16									

Complete valve list

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

Project: ASU No9 KOSICE
Project No.: K70101
List State: Rev0

Valve No.	Place of Install.	P & I Sheet Coord.	Connection			Measure (mm)		Weight [kg]	Order data			Remarks
			Form ANSI	DN	PN	Type	Length Height		Manufacturer Type	Supplier Spec.-No.	Date of delivery	
R 71151	50 NL 71101 ZB16C1	015	F	50	PN40		230					
		D5	2635									
V 71152	50 NL 71101 ZB16C1	015	BW	50	PN40		230					
		D4										
PCV 71170	50 NL 71102 ZB16C1	015	BW		PN40							
		B5										
V 71170 H1	50 NL 71102 MA__W	015	T	1/2"	PN40		130					
		C5										
V 71171	50 NL 71102 ZB16C1	015	BW	50	PN40		230					
		B5										
PV 71180	15 N 20028 AA40C1	015	F	15	PN40		130					
		C10	2635									
V 71180		015	T	15	PN10		130					
		C9										
V 71190	25 NL 21015 ZB16C1	015	F	25	PN10		160					
		D7	2633									
V 71191	25 A 15034 AA16C1	015	BW	25	PN40		160					
		D5										
R 71192	25 A 15034 AA16C1	015	F	25	P40		160					
		D5	2635									
V 71193	25 NL 71103 ZB10C1	015	F	25	PN10		160					
		D5	2633									
HV 71203	15 NL 71203 ZB10C1	015	F	15	PN10		130					
		G4	2633									

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Complete valve list

Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

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	
HV 71210	80 NL 21013 MA__W	Coord.						310						
		015	BW	80										
		G9												
F 71230	80 NL 21014 ZB16C1	015		80										
		G4												
V 71230 HI	80 NL 21014 ZB16C1	015	T	1/2"										
		G4		PN16										
R 71251	50 NL 71201 ZB16C1	015	F	50			230							
		G3	2635	PN40										
V 71252	50 NL 71201 ZB16C1	015	BW	50			230							
		G2		PN40										
PCV 71270	50 NL 71202 MA__W	015	BW											
		E3		PN40										
V 71270 HI	50 NL 71202 MA__W	015												
		F2												
V 71271	50 NL 71202 ZB16C1	015	BW	50			230							
		C3		PN40										
V 71280	15 N 20028 AA40C1	015	T	15			130							
		F6		PN40										
V 71290	25 NL 21016 ZB16C1	015	F	25			160							
		H5	2633	PN16										
V 71291	25 A 15035 AA16C1	015	F	25			160							
		H3	2635	PN40										
R 71292	25 A 15035 AA16C1	015	F	25			160							
		G3	2635	PN40										



Complete valve list

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

Valve No.	Place of Install.	P & I Sheet	Connection			Measure (mm)	Weight [kg]	Order data			Remarks
			Form	DN	Type	Length Height		Manufacturer Type	Supplier Spec.-No.	Date of delivery	
V 71293	25 NL 71203 ZB10C1	015	F	25		160					
		G2	2633	PN10							
PV 40003	500 O 22003 MA--W	016	F	500							
		C7	2633	PN10							
		016	T	1/2"							
V 40011 H1	500 O 22003 MA--W	E2									
		016									
V 40011 H2	500 O 22003 MA--W	B6									
		016									
V 40011 H3	200 NL 21017 MA__W	B6									
		016									
V 40031 H1	200 OL 40001 ZB16C1	E6									
		016									
V 40050 H1	K40001	A9									
		016									
V 40051 H1	K40001	A10									
		016									
V 40052 H2	K40001	B9									
		016									
V 40053 H1	K40001	C10									
		016									
V 40053 H2	K40001	C10									
		016									
V 40053 H3	K40001	B9									
		016									

**AIR LIQUIDE****Complete valve list**

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

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		Length Height		Type	Spec.-No.		
V 40053 L1	K40001	016				0	0				
		C10				0					
HV 40110	200 OL 40001 ZB16C1	016	BW	200		600					
		E8									
F 40130	200 OL 40001 ZB16C1	016	F								
		E6	2633	PN10							
R 40151	100 OL 40101 MA-W	016	F	100		350					
		E5	2633	PN10							
V 40151	100 OL 40101 MA-W	016	BW	100		350					
		E4									
PV 40170	80 OL 40103 ZB16C1	016	BW								
		D5		PN10							
V 40170 H1	80 OL 40103 ZB16C1	016									
		D4									
V 40171	80 OL 40103 ZB16C1	016	BW	80		310					
		C5		PN10							
V 40180	15 N 81009 AA10C1	016	T	15		130					
		D7		PN10							
V 40181	15 O 81022 ZB10C1	016	T	15		130					
		D7		PN10							
V 40190	25 OL 40013 ZB10C1	016	F	25		160					
		F7	2633	PN10							
V 40191	25 A 15036 AA10C1	016	F	25		130					
		F5	2633	PN10							

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Complete valve list

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

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.		
R 40192	25 A 15036 AA10C1	016	F	25		160						
		F5	2633	PN10								
V 40193	40 OL 40102 ZB16C1	016	F	40		200						
		F4	2633	PN16								
LV 21003	150 OL 23004 MA--W	017	BW	200		480						
		E10		PN10								
V 40003 L1	K40002	017										
		E8										
V 40003 L2	K40002	017										
		D8										
HV 40005	25 R 40014 MA__W	017	BW	25		160						
		A8										
LV 40007	100 OL 40007 ZB10C1	017	BW	PN10								
		C3										
V 40007 H1	B40001	017										
		C7										
V 40007 H2	B40001	017										
		C7										
V 40007 L1	B40001	017										
		B7										
V 40010	50 A 21004 MA__W	017	BW	50		160						
		G10										
FV 40011	250 RL 40003 MA__W	017	BW	150		480						
		C8										

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Complete valve list

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

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.		
HK 40012	150 R 40015 MA__W__	017	F	150			480					
		A7										
V 40012 H1	B40001	017										
		C7										
HV 40014	40 RL 40004 MA__W__	017	BW									
		D11										
V 40014 H1	W40014	017										
		E11										
V 40017	B40001	017										
		B9										
V 40017 H1	B40001	017										
		C9										
V 40017 L1	B40001	017										
		B9										
V 40022 H1	150 R 40015 MA__W__	017										
		B7										
V 40036 H1	K40002	017										
		E8										
V 40037 H1	K40002	017										
		E8										
V 40087	50 RL 40004 MA__W__	017	BW	50			230					
		C10										
V 40089	40 O 40008 ZB10C1	017	F	40			200					
		B4	2633	PN10								

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Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

Valve No.	Place of Install.	P & I Sheet	Connection				Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	PN	Type	Length	Height		Manufacturer Type	Supplier Spec.-No.	Date of delivery	
V 40018	50 R 40011 MA__W	018 B4	BW	50				230					
V 43005	25 AL 43015 MA__W	018 G6	BW	25				130					
PV 43021	40 AL 43007 MA__W	018 C4	BW										
V 43021 L1	K43001	018 D7											
PV 43022		018 A7	BW	25				160					
LV 43023	25 RL 43001 MA__W	018 F10	BW	25				130					
V 43023 H2	K43001	018 F7											
V 43024 H1	K43001	018 D7											
V 43024 H2	K43001	018 E7											
V 43025	80 AL 43011 MA__W	018 C9	BW	25				130					
LV 43026	25 AL 43015 MA__W	018 G4	BW	25				160					
V 43026	50 RL 43006 MA__W	018 C7	BW	50				230					

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Diagram No.: 792.86811
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Diagram state: RevP1

Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

Valve No.	Place of Install.	P & I Sheet	Connection				Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	PN	Type	Length	Height		Manufacturer	Supplier	Date of delivery	
		Coord.	ANSI							Type	Spec.-No.		
LV 43027	25 NL 40016 MA__W	018 B3	BW	25			130						
V 43027 H1	B43001	018 C10											
V 43027 H2	B43001	018 C10											
V 43027 L1	B43001	018 B10											
PV 43028	80 N 43009 MA__W	018 A4	BW	80			200						
V 43029 H2	K43001	018 G7											
V 43030 H2	K43001	018 E6											
V 43032	A 15046 MA__W	018 C6											
LV 43033	25 RL 43002 ZB16C1	018 F10	F 2633	25 PN16			160						
V 43033 H1	W43033	018 G7											
V 43080	25 A 15038 AA10C1	018 G3	F 2633	25 PN10			160						
V 43081	25 A 15038 AA10C1	018 F4	F 2633	15 PN10			130						



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Project: ASU No9 KOSICE
Project No.: K70101
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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	
V 43082	25 A 15038 AA10C1	018	F	25			130					
		F3	2633	PN10								
HK 70001	400 N 20008 AA10C1	019	BW	400								
		B1		PN16								
V 70001 HI	400 N 20008 AA10C1	019	T	1/2"			130					
		B3	DIN EN 837-1	PN16								
X 70004	250 N 75005 AA16C1	019	BW	250								
		D10		PN40								
HV 70035	150 N 75006 AA16C1	019	F	150			480					
		E11	2635	PN40								
R 70035	250 N 75005 AA16C1	019	F	250			730					
		B10	2635	PN40								
V 70035 HI		019	T	1/2"			130					
		D9	DIN EN 837-1	PN40								
HV 70036	250 N 75005 AA16C1	019	F	250			730					
		E10	2635	PN40								
V 70036 HI		019	T	1/2"			130					
		C9	DIN EN 837-1	PN40								
FV 70074		019										
		B10										
K 70505	150 WC 80007 AA10C2	019	F	150			480					
		F3	2633	PN10								
K 70506	100 WC 70022 AA10C2	019	F	100			350					
		G2	2633	PN10								

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Complete valve list

Diagram No.: 792.86811
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Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

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 70580	150 WC 70020 AA10C2	019 G3	F 2633	150 PN10			480					
V 82062	25 A 15047 AA10C1	02 D6	F 2633		PN10							
V 82071	25 A 15048 AA10C1	02 D8	F 2633		PN10							
HV 70041	250 N 75005 AA16C1	020 F11	BW	250 PN40		730						
N 70041	350 N 75005 AA40C1	020 F10	F 2632	350 PN10								
HK 77001	400 N 20009 AA10C1	020 B1	BW	400 PN16								
X 77004	250 N 76005 AA16C1	020 D10	BW	250 PN40								
HV 77035	150 N 76006 AA16C1	020 D11	BW 2635	150 PN40		480						
N 77035	150 N 76006 AA16C1	020 D11	F 2633		PN16							
HV 77036	250 N 76005 AA16C1	020 E10	F 2635	250 PN40		730						
V 77041 H1	250 N 75005 AA16C1	020 E11										
V 77041 H2	250 N 75005 AA16C1	020 E11	T DIN EN 837-1	1/2" PN40		130						

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Complete valve list

Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

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 77041 L1	250 N 75005 AA16C1	020										
		E11										
K 77505	150 WC 80008 AA10C2	020	F	150		480						
		F3	2633	PN10								
K 77506	100 WC 70023 AA10C2	020	F	100		350						
		F2	2633	PN10								
K 77590	150 WC 70021 AA10C2	020	F	150		480						
		G3	2633	PN10								
R 13250	200 WC 80009 AA10C2	022	F	200		600						
		D7	2633	PN10								
H 13281	200 WC 80009 AA10C2	022	T	15		130						
		D7	DIN ISO 228-1	PN10								
PV 87011	50 N 81004 AA10C1	024	F									
		F3	2633	PN10								
V 87012 HI	100 N 87001 AA10C1	024	T	1/2"		130						
		G4	DIN EN 837-1	PN10								
H 87017	100 N 20013 AA10C1	024	F	100		350						
		C3	2633	PN10								
V 87020	100 N 87001 AA10C1	024	F	25		160						
		G6	2633	PN10								
V 87021	100 N 87001 AA10C1	024	F	25		160						
		G6	2633	PN10								
V 87025 HI	HE - Box	024										
		D6										

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Project: ASU No9 KOSICE
Project No.: K70101
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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	Type	Type								
V 87026 H2	HE - Box	Coord.												
		024												
		D7												
V 87038 H1	HE - Box	024												
		E6												
V 87060	100 N 87001 AA10C1	024	F	25			160							
		G9	2633	PN10										
V 87061	100 N 87001 AA10C1	024	F	25			160							
		G8	2633	PN10										
V 87062	100 N 87001 AA10C1	024	F	25			160							
		G8	2633	PN10										
V 87063	100 N 87001 AA10C1	024	F	25			160							
		G7	2633	PN10										
V 87064	100 N 87001 AA10C1	024	F	25			160							
		G7	2633	PN10										
V 87065 H1	Cold Box	024												
		A8												
V 87065 H2	Cold Box	024												
		A8												
V 87073 H1	Cold Box	024												
		D9												
V 87078 H1	Cold Box	024												
		F9												
V 81005	80 N 81002 AA10C1	025	BW	80			310							
		E3		PN10										

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Complete valve list

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

Project: ASU No9 KOSICE
Project No.: K70101
List State: Rev0

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	
V 81010 HI	80 N 81015 AA10C1	025	T	1/2"		1300						
		D4	DIN EN 837-1	PN10								
PV 81020	25 O 81020 ZB40C1	025	F	25		160						
		F10	2633	PN10								
R 81020	25 O 81020 ZB40C1	025	F	25		160						
		F9	2633	PN10								
V 81020	25 O 81020 ZB40C1	025	F	25		160						
		F10	2635	PN40								
PV 81040	50 N 20017 AA16C1	025	F	50		230						
		E2	2633	PN16								
R 81040	50 N 20017 AA16C1	025	F	50		230						
		E2	2633	PN16								
V 81040	50 N 20017 AA16C1	025	BW	50		230						
		E1		PN16								
PV 81041	80 N 81001 AA10C1	025	BW									
		D3		PN16								
R 81041	80 N 81001 AA10C1	025	F									
		D3	2633	PN16								
V 81041	80 N 81001 AA10C1	025	BW	80		310						
		C3		PN16								
H 81050	50 N 81004 AA10C1	025	BW	50		230						
		E7		PN10								
V 82005	50 A 15016 AA10C1	025	BW	50		230						
		B3		PN10								

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Complete valve list

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

Valve No.	Place of Install.	P & I Sheet	Connection				Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	Type	Length	Manufacturer	Supplier		Date of delivery			
											Coord.	ANSI	
V 82010	25 A 15043 AA10C1	025 C11	F 2633	PN10									
V 82010 H1	50 A 15016 AA10C1	025 B4	T DIN EN 837-1	1/2" PN10		130							
V 82011	25 A 15043 AA10C1	025 C11	F 2633	PN10									
V 82012	25 A 15043 AA10C1	025 C11	F 2633	PN10									
V 82013	25 A 15043 AA10C1	025 C11	F 2633	PN10									
V 82014	25 A 15043 AA10C1	025 C11	F 2633	PN10									
V 82015	25 A 15043 AA10C1	025 C11	F 2633	PN10									
V 82016	50 N 81003 AA10C1	025 B5	F 2633	50 PN10		230							
PV 82020	50 N 81003 AA10C1	025 D5	BW	50 PN10		230							
R 82020	50 N 81003 AA10C1	025 B5	F 2633	50 PN10		230							
V 82020	25 A 15045 AA10C1	025 C10	F 2633	PN10									
V 82021	25 A 15045 AA10C1	025 C10	F 2633	PN10									

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Complete valve list

Diagram No.: 792.86811
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Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

Valve No.	Place of Install.	P & I Sheet	Connection					Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN		Type	Length	Manufacturer	Supplier		Date of delivery			
				ANSI	PN							Height	Type	
V 82022 HI	50 N 81003 AA10C1	Coord.												
		025	T	1/2"		130								
V 82023	50 N 81003 AA10C1	C5	DIN EN 837-1	PN10										
		025	F	50		230								
V 82023	50 N 81003 AA10C1	B5	2633	PN10										
		025	F	50		230								
V 82030	25 A 15042 AA10C1	B5	2633	PN10										
		025	F											
V 82031	25 A 15042 AA10C1	C7	2633	PN10										
		025	F											
V 82032	25 A 15042 AA10C1	C7	2633	PN10										
		025	F											
V 82033	25 A 15042 AA10C1	C7	2633	PN10										
		025	F											
V 82040	25 A 15041 AA10C1	C6	2633	PN10										
		025	F											
V 82041	25 A 15041 AA10C1	C6	2633	PN10										
		025	F											
V 82050	25 A 15044 AA10C1	C9	2633	PN10										
		025	F											
V 82051	25 A 15044 AA10C1	C9	2633	PN10										
		025	F											
V 82052	25 A 15044 AA10C1	C9	2633	PN10										
		025	F											

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Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

Valve No.	Place of Install.	P & I Sheet	Connection			Type	Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	PN		Length	Height		Manufacturer	Supplier	Date of delivery	
		Coord.	ANSI							Type	Spec.-No.		
V 82053	25 A 15044 AA10C1	025 C9	F 2633		PN10								
V 82060	25 A 15047 AA10C1	025 E6	F 2633		PN10								
V 82061	25 A 15047 AA10C1	025 D6	F 2633		PN10								
V 82070	25 A 15048 AA10C1	025 E8	F 2633		PN10								
V 82072	25 A 15048 AA10C1	025 D8	F 2633		PN10								
V 82080	25 A 15049 AA10C1	025 E9	F 2633		PN10								
V 82081	25 A 15049 AA10C1	025 D9	F 2633		PN10								
V 82082	25 A 15049 AA10C1	025 D9	F 2633		PN10								
V 82090	25 A 15050 AA10C1	025 E10	F 2633		PN10								
V 82091	25 A 15050 AA10C1	025 D10	F 2633		PN10								
V 82092	25 A 15050 AA10C1	025 D10	F 2633		PN10								
V 82100	25 A 15051 AA10C1	025 E11	F 2633		PN10								



Complete valve list

Diagram No.: 792.86811
Revision: P1 TF
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Project: ASU No9 KOSICE
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Valve No.	Place of Install.	P & I Sheet Coord.	Connection			Measure (mm)		Weight [kg]	Order data			Remarks
			Form ANSI	DN	PN	Type	Length Height		Manufacturer Type	Supplier Spec.-No.	Date of delivery	
V 82101	25 A 15051 AA10C1	025	F									
		D11	2633		PN10							
V 82102	25 A 15051 AA10C1	025	F					0				
		D11	2633		PN10							
V 84033	25 S 84011 BA25C1	026	F		25		160					
		G10	2633		PN25							
A 84034	25 S 84016 BA25C1	026	F									
		G10	2634		PN25							
V 84034	25 S 84016 BA25C1	026	F		25		160					
		G10	2634		PN25							
V 84035	100 S 84003 BA25C1	026	F		100		350					
		F9	2634		PN25							
A 90004	25 S 90007 BA25C1	026	F		25							
		G7	2634		PN25							
HV 90004	100 S 84003 BA25C1	026	F		100		350					
		F9	2634		PN25							
N 90004	250 S 84003 BA25C1	026	F		250							
		F7	26334		PN25							
R 90004	100 S 84003 BA25C1	026	F		250		730					
		F7	2634		PN25							
HV 90013	50 NL 90004 ZB16C1	026	F		50		230					
		F6	2633		PN16							
HV 90014	80 OL 90001 ZB16C1	026	F		80		310					
		E5	2633		PN16							

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Project No.: K70101
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Diagram No.: 792.86811
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Valve No.	Place of Install.	P & I Sheet Coord.	Connection			Type	Measure (mm)		Weight [kg]	Order data			Remarks
			Form	ANSI	DN	PN	Length	Height		Manufacturer	Supplier	Date of delivery	
HV 90015	50 RL 90002 ZB16C1	026 E5	F	2633	50	PN16	230						
V 90081	25 S 84011 BA25C1	026 G10	F	2634	25	PN25	160						
V 90082	25 S 90007 BA25C1	026 G7	F	2634	25	PN25	160						
V 90083	25 S 90008 BA25C1	026 G7	F	2634	25	PN25	160						
V 90085	25 S 90008 BA25C1	026 G7	F	2634	25	PN25	160						
V 90111	40 OL 40102 ZB16C1	026 F3				PN16							
V 90112	25 NL 21015 ZB16C1	026 F3				PN16							
V 90113	50 OL 21024 ZB16C1	026 F3				PN16							
V 90114	50 OL 21009 ZB16C1	026 F3				PN16							
F 16751	40 N 81010 AA10C1	028 G1	BW		40	PN10							
V 24130	80 WC 24101 AA10C2	029 F12	BW		80	PN10	310						
V 24131	80 WC 80005 AA10C1	029 E12	BW		80	PN10	310						

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Diagram No.: 792.86811
Revision: P1 TF
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Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

Valve No.	Place of Install.	P & I Sheet Coord.	Connection			Measure (mm)		Weight [kg]	Order data			Remarks
			Form ANSI	DN	PN	Length	Height		Manufacturer Type	Supplier Spec.-No.	Date of delivery	
V 24132	80 WC 24101 AA10C2	029 F11	BW		PN10							
V 24134	80 WC 80016 AA10C2	029 E12	BW	80	PN10	310						
V 24141	25 N 81025 AA10C1	029 B6	BW	40	PN10	200						
R 24150	25 N 81025 AA10C1	029 B8	F 2633	25 PN10		160						
V 24150		029 B8	BW	25 PN10		160						
F 24151	25 N 81025 AA10C1	029 B7	F 2633	25 PN10								
F 24155	25 A 16004 AA63C1	029 B7	BW	25 PN63								
R 24155	25 A 16004 AA63C1	029 B8	F 2636	25 PN63		160						
V 24155	25 A 16004 AA63C1	029 B8	BW	25 PN63		160						
V 24230	80 WC 24201 AA10C2	030 F12	BW	80 PN10		310						
V 24231	80 WC 80006 AA10C1	030 E12	BW	80 PN10		310						
V 24232	80 WC 24201 AA10C2	030 F12										

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Project No.: K70101
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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 24234	80 WC 80017 AA10C2	030	BW	80		310		0				
		E12		PN10								
PV 24241	25 N 81026 AA10C1	030	BW	25		160						
		B6		PN10								
R 24250	25 N 81026 AA10C1	030	F	25		160						
		B8	2633	PN10								
V 24250	25 N 81026 AA10C1	030	BW	25		160						
		B8		PN10								
F 24251	25 N 81026 AA10C1	030	F	25								
		B7	2633	PN10								
F 24255	25 A 16005 AA63C1	030	BW	25								
		B7		PN10								
R 24255	25 A 16005 AA63C1	030	F	25		160						
		B8	2633	PN10								
V 24255	25 A 16005 AA63C1	030	BW	25		160						
		B8		PN10								
V 84010	200 S 84001 BA25C1	031	F	200		600						
		B2	2634	PN25								
V 84010 H1	200 S 84001 BA25C1	031	T	1/2"		130						
		B2	DIN EN 837-1	PN25								
V 84011	100 S 84003 BA25C1	031	F	100		350						
		C9	2635	PN25								
V 84020	100 S 84002 BA25C1	031	F	100		350						
		C9	2635	PN25								

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Complete valve list

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

Valve No.	Place of Install.	P & I Sheet Coord.	Connection			Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	Type	Length	Height		Manufacturer Type	Supplier Spec.-No.	Date of delivery	
V 84040	150 S 84005 BA25C1	031	F	150		480						
		C10	2635	PN25								
V 84050	150 S 84006 BA25C1	031	F	150		480						
		C11	2635	PN25								
A 88001	25 S 84016 BA25C1	031	F	25								
		E2	2635	PN25								
A 88002	25 S 84012 BA25C1	031	F	25								
		E6	2635	PN25								
A 88003	25 S 84014 BA25C1	031	F	25		160						
		D10	2635	PN25								
A 88004	25 S 84018 BA25C1	031	F	25								
		D4	2634	PN25								
A 88005	25 S 84020 BA25C1	031	F	25								
		D7	2635	PN25								
V 88081	25 S 84016 BA25C1	031	F	25		160						
		D2	2635	PN25								
V 88082	25 S 84011 BA25C1	031	F	25		160						
		D2	2635	PN25								
V 88083	25 S 84012 BA25C1	031	F	25		160						
		D6	2635	PN25								
V 88084	25 S 84013 BA25C1	031	F	25		160						
		D6	2635	PN25								
V 88085	25 S 84014 BA25C1	031	F	25		160						
		D10	2635	PN25								

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Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

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 88086	25 S 84015 BA25C1	031	F	25		160						
		D11	2635	PN25								
V 88087	25 S 84018 BA25C1	031	F	25		160						
		D4	2634	PN25								
V 88088	25 S 84019 BA25C1	031	F	25		160						
		D5	2635	PN25								
V 88089	25 S 84020 BA25C1	031	F	25		160						
		D7	2634	PN25								
V 88090	25 S 84021 BA25C1	031	F	25		160						
		D8	2635	PN25								
K 62004	B 62001	032	T									Tankfarm
		B4										
PV 62005	100 O 62009 ZB10C1	032	F	100		350						Tankfarm
		C6	2633	PN10								
V 62005 HI	B 62001	032	T									Tankfarm
		E7										
V 62005 LI	B 62001	032	T									Tankfarm
		C6										
V 62006 HI	B 62001	032	T									Tankfarm
		D3										
V 62006 LI	B 62001	032	T									Tankfarm
		C3										
HV 62008	B 62001	032										Tankfarm
		B4										

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Project: ASU No9 KOSICE
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List State: Rev0

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	
		Coord.											
HV 62009	B 62001	032											Tankfarm
		A5											
V 62011 H1	80 OL 62003 ZB10C1	032	T	1/2"			130						Tankfarm
		D8	DIN EN 837-1	PN10									
X 62011	P 62001	032		65									Tankfarm
		E8											
V 62012 H1	80 OL 62003 ZB10C1	032	T	1/2"			130						Tankfarm
		D9	DIN EN 837-1										
V 62015	50 OL 62004 ZB16C1	032	F	50			230						Tankfarm
		E8		PN10									
F 62016	P 62001	032		50									Tankfarm
		F8											
H 62016	100 OL 62002 ZB10C1	032	F	100			350						Tankfarm
		G8	2633	PN10									
X 62016	P 62001	032		50									Tankfarm
		F8											
V 62020 H1	B 62001	032											Tankfarm
		E3											
PV 62030	B 62001	032											Tankfarm
		F2											
V 62030	B 62001	032											Tankfarm
		F2											
V 62032 H1	B 62001	032											Tankfarm
		E3											

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Diagram state: RevP1

Project: ASU No9 KOSICE
Project No.: K70101
List State: Rev0

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.		
H 62033	80 OL 62003 ZB10C1	032	F	80			310					Tankfarm
		D10	2633		PN10							
R 62034	50 OL 63003 ZB10C1	032	F	50			230					Tankfarm
		E11	2633		PN10							
K 62036	B 62001	032										Tankfarm
		B7										
K 62037	B 62001	032										Tankfarm
		B7										
PV 62040	25 OL 62006 ZB10C1	032	F	25			160					Tankfarm
		G3	2633		PN10							
V 62040	15 O 62008 ZB10C1	032	F	15			130					Tankfarm
		D3	2633		PN10							
V 62041	25 OL 62006 ZB10C1	032	F	25			160					Tankfarm
		G5	2633		PN10							
HV 62051	50 OL 61102 ZB10C1	032	F	50			230	32				Tankfarm
		D6	2633		PN10							
HV 62052	50 OL 61102 ZB10C1	032	F	50			230	32				Tankfarm
		F1	2633		PN10							
V 62053	50 OL 61106 ZB10C1	032	F	50			230					Tankfarm
		G2	2633		PN10							
F 62070	15 O 81029 ZB10C1	032	F	15								Tankfarm
		H9	2633		PN10							
H 62080	80 OL 64102 ZB40C1	032	F	80			310					Tankfarm
		D8	2635		PN40							

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Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

Valve No.	Place of Install.	P & I Sheet	Connection			Type	Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	PN		Length	Height		Manufacturer	Supplier	Date of delivery	
		Coord.	ANSI							Type	Spec.-No.		
H 62081	80 OL 64202 ZB40C1	032 D8	F 2635	80 PN40			310						Tankfarm
H 62082	80 OL 62003 ZB10C1	032 D10	BW DIN ISO 228-1	1/2" PN10			130						Tankfarm
V 62083	50 OL 61102 ZB10C1	032 D7	F 2633	25 PN10			160						Tankfarm
V 62085	25 OL 62006 ZB10C1	032 G7	F 2633	25 PN10			130						Tankfarm
H 62170	15 O 81029 ZB10C1	032 H8	F 2633	15 PN16			130						Tank farm
V 62170 H1	P 62001	032 G9	T	15 PN10			130						Tankfarm
PV 62171	P 62001	032 G8	T	15 PN10			130						Tankfarm
H 62270	100 OL 62001 ZB10C1	032 H7	F 2633	100 PN10			350						Tankfarm
X 63011	P 63001	032 F10		40									Tank farm
F 63016	P 63001	032 F9		65									Tankfarm
HV 63016	80 OL 62002 ZB10C1	032 G9	F 2633	80 PN10			310		79				Tankfarm
X 63016	P 63001	032 G9		65									Tankfarm

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Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

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.		
PV 63033	50 OL 63004 ZB10C1	032	F	50			230					Tankfarm
		E8	2633		PN10							
V 63033 H1	50 OL 63003 ZB10C1	032										Tankfarm
		E10										
V 63033 H2	50 OL 63003 ZB10C1	032	T	1/2"			130					Tankfarm
		E10	DIN EN 837-1		PN10							
V 63033 L1	50 OL 63003 ZB10C1	032										Tankfarm
		E11										
HV 63034	50 OL 63003 ZB10C1	032	F	50			230	32				Tankfarm
		E11	2633		PN10							
V 64101 H1	100 OL 62001 ZB10C1	033	T	1/2"			130					Tankfarm
		E5	DIN EN 837-1		PN10							
HV 64110	100 OL 62001 ZB10C1	033	F	100			310	100				Tankfarm
		E3	2633		PN10							
X 64111	P 64101	033		50								Tankfarm
		D6										
X 64116	P 64101	033		65								Tankfarm
		E6										
F 64117	P 64101	033		65								Tankfarm
		E6										
HV 64150		033	F	80			310	154				Tankfarm
		B7	2635		PN40							
V 64150 H1	P 64101	033	T	1/2"			130					Tankfarm
		C5	DIN EN 837-1		PN40							

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Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

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	
R 64151		Coord.										
		033	F	80		260						Tankfarm
HV 64170	80 OL 64102 ZB40C1	B7	2635	PN40								
		033	F	50		230		37				Tankfarm
V 64170	15 O 81023 ZB10C1	C5	2635	PN40								
		033	T	15		130						
V 64170 H1	15 O 81023 ZB10C1	G3		PN10								
		033	T	1/2"		130						Tankfarm
PV 64171	P 64101	G4	DIN EN 837-1	PN10								
		033	T	15		130						Tankfarm
V 64201 H1	100 OL 62005 ZB10C1	G5		PN10								
		033	T	1/2"		130						Tankfarm
HV 64210	100 OL 62005 ZB10C1	H5	DIN EN 837-1	PN10								
		033	F	100		350		100				Tankfarm
X 64211	P 64201	H3	2633	PN10								
		033		50								Tankfarm
X 64216	P 64201	D9										
		033		65								Tankfarm
F 64217	P 64201	E9										
		033		65								Tankfarm
HV 64250	80 OL 64201 ZB40C1	E9										
		033	F	80		310		154				Tankfarm
V 64250 H1	P 64201	B11	2635	PN40								
		033	T	1/2"		130						Tankfarm
		D9	DIN EN 837-1	PN40								Tankfarm

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Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

Valve No.	Place of Install.	P & I Sheet	Connection			Measure (mm)		Weight [kg]	Order data			Remarks
			Form	ANSI	DN	Type	Length		Manufacturer	Supplier	Date of delivery	
		Coord.					Height		Type	Spec.-No.		
R 64251	80 OL 64201 ZB40C1	033	F		80		260					Tankfarm
		B11	2635		PN40							
HV 64270	80 OL 64202 ZB40C1	033	F		50		230	37				Tankfarm
		B8	2635		PN40							
V 64270	15 O 81024 ZB10C1	033	F		15		130					Tankfarm
		G8	2633		PN10							
V 64270 H1	15 O 81024 ZB10C1	033	T		1/2"		130					
		G9	DIN EN 837-1		PN10							
PV 64271	15 O 81024 ZB10C1	033	F		15		130					Tankfarm
		G9	2633		PN10							
UV 64010		034	F		80		310	154				Tankfarm
		B1	2635		PN40							
V 64011	25 OL 64002 ZB40C1	034	F		25		160					Tankfarm
		C2	2635		PN40							
V 64012	50 OL 64004 ZB40C1	034	F		50		230					Tankfarm
		E7	2635		PN40							
V 64013	50 OL 64004 ZB40C1	034	F		50		200					Tankfarm
		E3	2635		PN40							
V 64030	W 64001	034										Tankfarm
		G6										
V 64050 H1	200 O 64005 ZB40C1	034	T		1/2"		130					Tankfarm
		B7	DIN EN 837-1		PN40							
V 64051 H1	200 O 64005 ZB40C1	034	T		1/2"		130					Tankfarm
		B9	DIN EN 837-1		PN40							

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Project: ASU No9 KOSICE
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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.	
V 64060	200 O 64005 ZB40C1	034 B10	F 2635	200 PN40		600						Tankfarm	
R 64061	200 O 64005 ZB40C1	034 B10	F 2635	200 PN40		600						Tank farm	
V 64062		034 C10	F 2635	25 PN40		160						Tank farm	
V 64063		034 C10	F 2635	25 PN40		160						Tank farm	
V 64064		034 C11	F 2635	25 PN40		160						Tankfarm	
V 64080 H1	150 S 84005 BA25C1	034 E9	T DIN EN 837-1	1/2" PN25		130						Tankfarm	
H 64081 H1	W 64001	034 F7	T	15		130						Tankfarm	
H 64082	W 64001	034 G7										Tankfarm	
V 64093	25 S 84022 BA25C1	034 G9	F 2635	25 PN25		160						Tankfarm	
V 64094	25 S 84022 BA25C1	034 G9	F 2635	25 PN25		160						Tankfarm	
V 64095	25 S 84023 BA25C1	034 G9	F 2635	25 PN25		160						Tankfarm	
TV 64181	150 S 84005 BA25C1	034 G7	F 2635	125 PN40		400	200					Tankfarm	

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Project: ASU No9 KOSICE
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Valve No.	Place of Install.	P & I Sheet Coord.	Connection			Measure (mm)		Weight [kg]	Order data			Remarks
			Form ANSI	DN	PN	Type	Length Height		Manufacturer Type	Supplier Spec.-No.	Date of delivery	
K 72004	B 72001	035 B4										Tankfarm
PV 72005		035 B7	F 2633	100 PN10			350					Tankfarm
V 72005 HI	B 72001	035 E7		15			130					Tankfarm
V 72005 LI	B 72001	035 C6	T DIN EN 837-1	1/2"			130					Tankfarm
V 72006 HI	B 72001	035 D3	T DIN EN 837-1	1/2"			130					Tankfarm
HV 72008	B 72001	035 B4										Tankfarm
HV 72009	B 72001	035 A5										Tankfarm
V 72011 HI	80 NL 72102 ZB10C1	035 D9	T DIN EN 837-1	1/2"	PN10		130					Tankfarm
X 72011	P 72001	035 E9		65								Tankfarm
V 72012 HI	80 NL 72102 ZB10C1	035 D9	T DIN EN 837-1	1/2"	PN10		130					Tankfarm
H 72015	50 N 72103 ZB10C1	035 E8	F 2635	50 PN40			230					Tankfarm
F 72016	P 72001	035 F9		100								Tankfarm



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Project: ASU No9 KOSICE
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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								
		Coord.											
H 72016	P 72001	035	F	100			350					Tankfarm	
		G8	2633	PN16									
X 72016	P 72001	035		100								Tankfarm	
		F9											
V 72020 H1	B 72001	035	T	1/2"			130					Tankfarm	
		E3	DIN EN 837-1	PN10									
PV 72030	B 72001	035	F	25			160					Tankfarm	
		E2	2633	PN16									
V 72030	B 72001	035	F	25			160					Tankfarm	
		E2	2633	PN16									
V 72032 H1	B 72001	035	T	1/2"			130					Tankfarm	
		E3	DIN EN 837-1										
K 72036	B 72001	035										Tankfarm	
		B7											
K 72037	B 72001	035										Tankfarm	
		B7											
PV 72040	25 NL 72004 ZB10C1	035	F	25			160	23				Tankfarm	
		G4	2633	PN16									
V 72040	15 O 72008 ZB10C1	035	F	15			130					Tankfarm	
		G6	2633	PN10									
V 72048	15 O 72008 ZB10C1	035	F	15			130					Tankfarm	
		D3	2633	PN10									
HV 72051	50 NL 23003 ZB16C1	035	F	50			230	32				Tankfarm	
		D6	2633	PN16									

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Valve No.	Place of Install.	P & I Sheet	Connection				Measure (mm)		Weight [kg]	Order data			Remarks
			Form ANSI	DN PN	Type	Length Height	Manufacturer Type	Supplier Spec.-No.		Date of delivery			
											Coord.		
HV 72052	50 NL 72003 ZB16C1	035 E6	F 2633	50 PN16		230		32				Tankfarm	
V 72052	50 NL 72003 ZB16C1	035 E7	F 2633	25 PN10		160						Tankfarm	
HV 72053	40 NL 73005 ZB16C1	035 G2	F 2633	40 PN16		200		28				Tankfarm	
H 72070	15 N 87014 AA10C1	035 G9	F 2633	15 PN10		130						Tankfarm	
H 72080	50 NL 74102 ZB40C1	035 D8	F 2635	50 PN40		230						Tankfarm	
H 72081	50 NL 74202 ZB40C1	035 D8	F 2635	50 PN40		230						Tankfarm	
H 72082	80 NL 73102 ZB25C1	035 D8	F 2635	80 PN25		310						Tankfarm	
H 72083	80 NL 73202 ZB25C1	035 D8	F 2635	80 PN25		310						Tankfarm	
V 72083	50 NL 23003 ZB16C1	035 D7	F 2633	25 PN16		160						Tankfarm	
H 72084	80 NL 72102 ZB10C1	035 D11	T DIN ISO 228-1	1/2" PN10		130						Tankfarm	
V 72085	25 NL 72004 ZB10C1	035 G7	F 2633	15 PN10		130						Tankfarm	
R 72133	80 NL 72102 ZB10C1	035 D10	F 2633	80 PN10		310							

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Project: ASU No9 KOSICE
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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 Type	Supplier Spec.-No.	Date of delivery	
				ANSI	PN								
V 72133	80 NL 72102 ZB10C1	Coord.											Tankfarm
		035	F	80		310							
H 72270	100 NL 72002 ZB10C1	D11	2633	PN10									Tankfarm
		035	F	100		350							
H 74010		H7	2633	PN16									Tankfarm
		035	F	80		310							
UV 74090	100 N 74090 AA40C1	F12	2633	PN10									Tankfarm
		036	F	100		350							
V 74091 H1	100 N 74090 ZB40C1	B11	2635	PN40					169				Tankfarm
		036	T	1/2"		130							
V 74095	50 N 74095 AA63C1	C10	DIN EN 837-I	PN40									Tankfarm
		036	F	50		230							
V 74095 H1	100 N 74090 AA40C1	B12	2635	PN40									Tankfarm
		036	T	1/2"		130							
V 74101 H1		B12	DIN EN 837-I	PN40									Tankfarm
		036	T	1/2"		130							
HV 74110		E4	DIN EN 837-I	PN10									Tankfarm
		036	F	80		310							
F 74116	P 74101	E3	2633	PN10					79				Tankfarm
		036		65									
X 74116	P 74101	E5											Tankfarm
		036		65									
X 74130	P 74101	E5											Tankfarm
		036		40									

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Complete valve list

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

Valve No.	Place of Install.	P & I Sheet Coord.	Connection			Measure (mm)		Weight [kg]	Order data			Remarks
			Form ANSI	DN	PN	Type	Length Height		Manufacturer Type	Supplier Spec.-No.	Date of delivery	
HV 74150	50 NL 74101 ZB40C1	036 B6	F 2635	50 PN40			230	67				Tankfarm
V 74150 HI	50 NL 74101 ZB40C1	036 D4	T DIN EN 837-1	1/2" PN40			130					Tankfarm
R 74151	50 NL 74101 ZB40C1	036 B6	F 2635	50 PN40			230					Tankfarm
HV 74170	50 NL 74102 ZB40C1	036 C4	F 2635	25 PN40			160	23				Tankfarm
V 74170	15 N 87014 AA10C1	036 G3	F 2633	15 PN10			130					Tankfarm
V 74180	40 NL 74180 ZB40C1	036 A9	F 2635	40 PN40			200					Tankfarm
V 74185	80 NL 74185 ZB40C1	036 A10	F 2635	80 PN40			310					Tankfarm
V 74201 HI	80 NL 72004 ZB10C1	036 H4	T DIN EN 837-1	1/2" PN10			130					Tankfarm
HV 74210	80 NL 72004 ZB10C1	036 H4	F 2633	80 PN10			310	79				Tankfarm
F 74216	P 74201	036 E7		65								Tankfarm
X 74216	P 74201	036 E7		65								Tankfarm
X 74230	P 74201	036 E7		40								Tankfarm

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Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

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	
HV 74250	50 NL 74201 ZB40C1	Coord.							67				Tankfarm
		036	F	50		230							
V 74250 H1	50 NL 74201 ZB40C1	B8	2635	PN40									Tankfarm
		036	T	15		130							
R 74251	50 NL 74201 ZB40C1	D7	DIN EN 837-1	PN40									Tankfarm
		036	F	50		230							
HV 74270	50 NL 74202 ZB40C1	B8	2635	PN40					23				Tankfarm
		036	F	25		160							
V 74270	15 N 81012 AA10C1	B7	2635	PN40									Tankfarm
		036	F	15		130							
V 74280	40 N 74280 ZB40C1	G6	2633	PN10									Tankfarm
		036	F	40		200							
V 74285	80 N 74385 ZB40C1	B9	2635	PN40									Tankfarm
		036	F	80		310							
V 74380	40 N 74380 ZB40C1	B10	2635	PN40									Tankfarm
		036	F	40		200							
V 74385	80 N 74385 ZB40C1	B9	2635	PN40									Tankfarm
		036	F	80		310							
V 74480	40 N 74480 ZB40C1	B10	2635	PN40									Tankfarm
		036	F	40		200							
V 74485	80 NL 74185 ZB40C1	C9	2635	PN40									Tankfarm
		036	F	80		310							
V 73101 H1	100 NL 72002 ZB10C1	C10	2635	PN40									Tankfarm
		037	T	1/2"		130							
		E5	DIN EN 837-1	PN10									Tankfarm

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Project No.: K70101
List State.: Rev0

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 72133	80 NL 72102 ZB10C1	035	F	80		310						Tankfarm	
		D11	2633	PN10									
H 72270	100 NL 72002 ZB10C1	035	F	100		350						Tankfarm	
		H7	2633	PN16									
H 74010		035	F	80		310						Tankfarm	
		F12	2633	PN10									
UV 74090	100 N 74090 AA40C1	036	F	100		350	169					Tankfarm	
		B11	2635	PN40									
V 74091 HI	100 N 74090 ZB40C1	036	T	1/2"		130						Tankfarm	
		C10	DIN EN 837-1	PN40									
V 74095	50 N 74095 AA63C1	036	F	50		230						Tankfarm	
		B12	2635	PN40									
V 74095 HI	100 N 74090 AA40C1	036	T	1/2"		130						Tankfarm	
		B12	DIN EN 837-1	PN40									
V 74101 HI		036	T	1/2"		130						Tankfarm	
		E4	DIN EN 837-1	PN10									
HV 74110		036	F	80		310	79					Tankfarm	
		E3	2633	PN10									
F 74116	P 74101	036		65								Tankfarm	
		E5											
X 74116	P 74101	036		65								Tankfarm	
		E5											
X 74130	P 74101	036		40								Tankfarm	
		D5											

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Project No.: K70101
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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.		
HV 74150	50 NL 74101 ZB40C1	036	F	50		230		67				Tankfarm
		B6	2635	PN40								
V 74150 HI	50 NL 74101 ZB40C1	036	T	1/2"		130						Tankfarm
		D4	DIN EN 837-1	PN40								
R 74151	50 NL 74101 ZB40C1	036	F	50		230						Tankfarm
		B6	2635	PN40								
HV 74170	50 NL 74102 ZB40C1	036	F	25		160		23				Tankfarm
		C4	2635	PN40								
V 74170	15 N 87014 AA10C1	036	F	15		130						Tankfarm
		G3	2633	PN10								
V 74180	40 NL 74180 ZB40C1	036	F	40		200						Tankfarm
		A9	2635	PN40								
V 74185	80 NL 74185 ZB40C1	036	F	80		310						Tankfarm
		A10	2635	PN40								
V 74201 HI	80 NL 72004 ZB10C1	036	T	1/2"		130						Tankfarm
		H4	DIN EN 837-1	PN10								
HV 74210	80 NL 72004 ZB10C1	036	F	80		310		79				Tankfarm
		H4	2633	PN10								
F 74216	P 74201	036		65								Tankfarm
		E7										
X 74216	P 74201	036		65								Tankfarm
		E7										
X 74230	P 74201	036		40								Tankfarm
		E7										

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Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

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	
HV 74250	50 NL 74201 ZB40C1	036	F	50		230	67					Tankfarm	
		B8	2635	PN40									
V 74250 H1	50 NL 74201 ZB40C1	036	T	15		130						Tankfarm	
		D7	DIN EN 837-1	PN40									
R 74251	50 NL 74201 ZB40C1	036	F	50		230						Tankfarm	
		B8	2635	PN40									
HV 74270	50 NL 74202 ZB40C1	036	F	25		160	23					Tankfarm	
		B7	2635	PN40									
V 74270	15 N 81012 AA10C1	036	F	15		130						Tankfarm	
		G6	2633	PN10									
V 74280	40 N 74280 ZB40C1	036	F	40		200						Tankfarm	
		B9	2635	PN40									
V 74285	80 N 74385 ZB40C1	036	F	80		310						Tankfarm	
		B10	2635	PN40									
V 74380	40 N 74380 ZB40C1	036	F	40		200						Tankfarm	
		B9	2635	PN40									
V 74385	80 N 74385 ZB40C1	036	F	80		310						Tankfarm	
		B10	2635	PN40									
V 74480	40 N 74480 ZB40C1	036	F	40		200						Tankfarm	
		C9	2635	PN40									
V 74485	80 NL 74185 ZB40C1	036	F	80		310						Tankfarm	
		C10	2635	PN40									
V 73101 H1	100 NL 72002 ZB10C1	037	T	1/2"		130						Tankfarm	
		E5	DIN EN 837-1	PN10									

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Diagram No.: 792.86811
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Project: ASU No9 KOSICE
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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.		
HV 73110	100 NL 72002 ZB10C1	037	F	100		350		100				Tankfarm
		E3	2633	PN16								
F 73116	P 73101	037		65								Tankfarm
		E6										
X 73116	P 73101	037		65								Tankfarm
		E6										
X 73130	P 73101	037		40								Tankfarm
		D6										
HV 73150	80 NL 73101 ZB25C1	037	F	80		310		79				Tankfarm
		B7	2635	PN25								
V 73150 HI	80 NL 73101 ZB25C1	037	T	1/2"		130						Tankfarm
		D5	DIN EN 837-1	PN25								
R 73151	80 NL 73101 ZB25C1	037	F	80		260						Tankfarm
		B7	2635	PN25								
HV 73170	80 NL 73102 ZB25C1	037	F	80		310		79				Tankfarm
		C5	2635	PN25								
V 73201 HI	100 NL 72003 ZB10C1	037	T	1/2"		130						Tankfarm
		G5	DIN EN 837-1	PN10								
HV 73210	100 NL 72003 ZB10C1	037	F	100		350		100				Tankfarm
		H3	2633	PN10								
F 73216	P 73201	037		65								Tankfarm
		E9										
X 73216	P 73201	037		65								Tankfarm
		E9										


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Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

Valve No.	Place of Install.	P & I Sheet	Connection				Measure (mm)		Weight [kg]	Order data			Remarks
			Form	DN	Type	Length	Manufacturer	Supplier		Date of delivery			
											ANSI	PN	
X 73230	P 73201	Coord.											Tankfarm
		037											
		D9											
HV 73250	80 NL 73201 ZB25C1	037	F	80		310		79					Tankfarm
		B10	2635	PN25									
		037	T	1/2"		130							
V 73250 H1	80 NL 73201 ZB25C1	D8	DIN EN 837-1	PN25									Tankfarm
		037	F	80		310							
		B10	2635	PN25									
R 73251	80 NL 73201 ZB25C1	037	F	80		310		79					Tankfarm
		B8	2635	PN40									
		038	F	50		230		58					
PV 73002	50 N 74095 AA63C1	B3	2635	PN40									Tankfarm
		038	F	50		230							
		B3	2635	PN40									
R 73002	50 N 74095 AA63C1	038	F	50		230							Tankfarm
		B3	2635	PN40									
		038	F	50		230							
V 73002	50 NL 74101 ZB40C1	038	F	50		230							Tankfarm
		B4	2635	PN40									
		038	T	1/2"		130							
V 73002 H1	50 N 74095 AA63C1	B2	DIN EN 837-1	PN40									Tankfarm
		038	F	20		150		23					
		F7	2635	PN40									
PV 73005	20 NL 73008 ZB40C1	038											Tankfarm
		E7											
		038											
V 73005 H1	B 73001	C7											Tankfarm
V 73005 L1	B 73001												Tankfarm



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Project: ASU No9 KOSICE
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List State.: Rev0

Valve No.	Place of Install.	P & I Sheet	Connection			Measure (mm)		Weight [kg]	Order data			Remarks
			Form ANSI	DN	PN	Type	Length		Manufacturer Type	Supplier Spec.-No.	Date of delivery	
V 73007	B 73002	Coord.										
		038	F	25	PN25		160					Tankfarm
V 73007 H1	B73002	A4	2634									
		038	T	1/2"	PN10		130					Tankfarm
V 73008	B 73002	A4	DIN EN 837-1									
		038	BW	50			230					Tankfarm
V 73009	B 73002	B4										
		038	F	25	PN25		160					Tankfarm
V 73011	B 73001	B4	2635									
		038	BW	40			200					Tankfarm
HV 73014	80 NL 73001 ZB25C1	F5										
		038	F	50	PN25		230	61				Tankfarm
PV 73015	50 N 74095 AA63C1	G2	2635									
		038	F	50	PN25		230	58				Tankfarm
R 73015	50 N 73004 ZB25C1	B4	2635									
		038	F	50	PN25		230					Tankfarm
V 73015	50 N 73004 ZB25C1	B5	2635									
		038	F	50	PN25		230					Tankfarm
V 73015 H1	B 73001	B6	2635									
		038										Tankfarm
V 73015 H2	B 73001	D6										
		038										Tankfarm
V 73015 L1	B73001	D6										
		038										Tankfarm

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Project: ASU No9 KOSICE
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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.	
PV 73016	80 NL 73001 ZB25C1	038 E2	F 2635	50 PN25		230		61				Tankfarm	
V 73016	B 73001	038 E3	F 2635	15 PN25		130						Tankfarm	
PV 73017	B 73001	038 E4										Tankfarm	
V 73021	B 73001	038 F3		32		180						Tankfarm	
V 73022	B 73001	038 D3		32		180						Tankfarm	
V 73025	B 73001	038 F5		32		180						Tankfarm	
V 73026 HI	B 73001	038 F4	T DIN EN 837-1	15		130						Tankfarm	
V 73030	B 73001	038 E6										Tankfarm	
V 73035	50 N 73004 ZB25C1	038 B6		50		230						Tankfarm	
R 73036	80 NL 73001 ZB25C1	038 F5	F 2635	80 PN25		310						Tankfarm	
V 73036	50 N 73004 ZB25C1	038 C7	T DIN EN 837-1	1/2"		130						Tankfarm	
V 73036	B 73001	038 F5		80		310						Tankfarm	

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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 73038	B 73001	038 C4		32			180					Tankfarm
V 73115	50 NL 73007 ZB25C1	038 F11	F 2635	50 PN25			230					Tankfarm
UV 73010	80 NL 73003 ZB25C1	039 C2	F 2635	80 PN25			310	85				Tankfarm
V 73012	80 NL 73003 ZB25C1	039 E3	F 2635	80 PN25			310					Tankfarm
V 73013	25 N 73005 ZB25C1	039 C3	F 2635	25 PN25			160					Tankfarm
V 73031	W 73001	039 G6										Tankfarm
V 73050 H1	300 N 73004 ZB25C1	039 C7	T DIN EN 837-1	1/2" PN25			130					Tankfarm
V 73051 H1	300 N 73004 ZB25C1	039 C9	T DIN EN 837-1	1/2" PN25			130					Tankfarm
V 73060	300 N 73004 ZB25C1	039 C11	F 2634	300 PN25			850					Tankfarm
R 73061	300 N 73004 ZB25C1	039 C10	F 2634	300 PN25			850					Tankfarm
V 73062		039 C10	F 2635	25 PN40			160					Tankfarm
V 73063		039 C10	F 2635	25 PN40			160					Tankfarm

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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						Tankfarm
		C11	2635	PN40								
H 73081 HI	W 73001	039	T	15		130						Tankfarm
		G6										
TV 73081	150 S 84006 BA25C1	039	F	125		400		200				Tankfarm
		G7	2635	PN40								
H 73082	W 73001	039										Tankfarm
		G6										
A 73091	25 S 84026 BA25C1	039	F	25								Tankfarm
		G8	2635	PN25								
V 73093	25 S 84026 BA25C1	039	F	25		160						Tankfarm
		G8	2635	PN25								
V 73094	25 S 84026 BA25C1	039	F	25		160						Tankfarm
		G9	2635	PN25								
V 73095	25 S 84027 BA25C1	039	F	25		160						Tankfarm
		G9	2635	PN25								
PV 73101	80 NL 73001 ZB25C1	040	F	80		310		85				Tankfarm
		A2	2635	PN25								
UV 73111	W 73101	040	F	80		310						Tankfarm
		A3	2635	PN40								
V 73151 HI	300 N 73105 AA40C1	040	T	1/2"		130						Tankfarm
		B10	DIN EN 837-1	PN40								
V 73158 HI	300 N 73105 AA40C1	040	T	1/2"		130						Tankfarm
		B9	DIN EN 837-1	PN25								

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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	040 B11	F 2635	300 PN40		850						Tankfarm	
R 73161	300 N 73105 AA40C1	040 B10	F 2635	300 PN40		850						Tankfarm	
V 73162	25 N 73105 AA40C1	040 C10	F 2635	25 PN40		160						Tankfarm	
V 73163	25 N 73105 AA40C1	040 C11	F 2635	25 PN40		160						Tankfarm	
V 73164	25 N 73105 AA40C1	040 C11	F 2635	25 PN40		160						Tankfarm	
V 73181	W 73101	040 E7	F	25		160						Tankfarm	
V 73182	W 73101	040 E8	F	25		160						Tankfarm	
H 73186	W 73101	040 G4	BW	50		230						Tankfarm	
PV 44105	25 R 44104 ZB16C1	041 C9	BW	25 PN16		160							
V 44111	25 RL 43001 ZB16C1	041 E5	F 2633	PN16									
V 44032	50 RL 44004 ZB16C1	042 E11	BW	50 PN16		230							
R 44033	50 RL 44004 ZB16C1	042 B11	BW	50 PN16		230							

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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 44033	50 RL 44202 ZB40C1	042	BW	50		230						
		E11		PN16								
R 44057	50 RL 44202 ZB40C1	042	BW	50		230						
		E12		PN16								
V 44057 H1	50 RL 44202 ZB40C1	042	T	1/2"		130						
		E11	DIN EN 837-1	PN16								
X 44057	50 RL 44202 ZB40C1	042		50								
		E10		PN16								
V 44059 H1	1/4" RL 44003 ZB16C1	042	T	1/4"								
		F8		PN16								
F 44060	50 RL 44202 ZB40C1	042	F	50								
		E10	2633	PN16								
PV 44073	1/4" RL 44003 ZB16C1	042										
		F9										
H 44085	50 RL 44202 ZB40C1	042	T	1/2"		130						
		E12	DIN ISO 228-1	PN40								
H 44210		042	BW	80		310						
		F6		PN16								
V 44211	25 RL 43001 ZB16C1	042	F									
		F5	2633	PN16								
V 44238		042										
		C7										
V 44260 H1		042	T	1/2"		130						
		F7	DIN EN 837-1	PN16								


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Project: ASU No9 KOSICE
Project No.: K70101
List State.: Rev0

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.		
X 44260	50 RL 44202 ZB40C1	042		50								
		E9		PN16								
HV 48010	80 RL 44201 ZB16C1	043	F	80		310						
		G3	2633	PN16								
X 48030	80 RL 44201 ZB16C1	043										
		E5										
HV 48050	50 RL 48001 ZB40C1	043	F	50		230						
		C7	2635	PN40								
V 48050	50 RL 48001 ZB40C1	043	T	1/2"		130						
		D4	DIN EN 837-1	PN40								
X 48050	50 RL 48001 ZB40C1	043										
		E5										
R 48052	50 RL 48001 ZB40C1	043	BW	50		230						
		C7		PN40								
HV 48070	50 RL 48004 ZB40C1	043	F	50		230						
		B5	2635	PN40								
R 48070	50 RL 48004 ZB40C1	043	BW	50		230						
		B5		PN40								
PV 48080	1/4" RL 44005 ZB16C1	043										
		G5										
V 48081	1/4" RL 44005 ZB16C1	043	SW	1/4"								
		G4		PN10								
PV 48005	25 RL 48009 ZB16C1	044	F	25		160						
		B8	2633	PN16								

AIR LIQUIDE



Complete valve list

Diagram No.: 792.86811
Revision: P1 TF
Date: 21.05.2004
Diagram state: RevP1

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Valve No.	Place of Install.	P & I Sheet Coord.	Connection				Measure (mm)		Weight [kg]	Order data			Remarks
			Form	ANSI	DN	PN	Type	Length		Manufacturer	Supplier	Date of delivery	
V 48030	25 RL 48009 ZB16C1	044	BW		25			160					
		C8			PN16								
V 48101		044	F		25			160					
		F7	2635		PN40								
V 48102	50 R 48033 ZB40C1	044	F		50			230					
		F9	2635		PN40								
V 48201	25 R 48034 ZB40C1	044	F		25			160					
		G7	2636		PN40								
V 48202	50 R 48034 ZB40C1	044	F		50			230					
		G9	2636		PN40								
PV 49020	50 R 48033 ZB40C1	044	F		50			230					
		F11	2635		PN40								
V 49020 HI	50 R 48033 ZB40C1	044	T		1/2"			130					
		E11	DIN EN 837-1		PN40								
V 49021	50 R 48033 ZB40C1	044	T		1/2"			130					
		E9	DIN EN 837-1		PN40								