

SECTION 1-25: AL KARKH TREATMENT PLANT REQUIREMENTS
chlorinating building

CODE NO.	EQUIP. REF.	UNIT	QTY	FUNCTION OF UNIT	MANUFACTURER SUPPLIER	MODEL TYPE	MAINT INSTS REF	OTHER INFORMATION
03-01-00356	V.27.302	EVAPORATOR	4	TO CONVERT LIQUID CL2 TO CAS	PORTACEL	200B	PO	CAPACITY : 230 Kg/hr , HEATERS : 18 Kw , BATH TEMPERATURE : SETTING : 55 - 65 C0 , ALARM : 50 C0 , MAX. WORKING ,PRESSURE (DESIGN) : 14bar , SUPPLY:400V,3PH,50Hz
03-01-00357	V.27.303	CHLORINATOR	9	PRE CHLORINATION	PORTACEL	101S	PO	CAPACITY : 50 Kg/hr max , MANUAL DOSE CONTROL
03-01-00358	V.27.304	CHLORINATOR	9	POST CHLORINATION	PORTACEL	31AE	PO	CAPACITY : 27 Kg/hr max , AUTOMATIC OR MANUAL DOSE CONTROL
03-01-00359	J.27.412 J.27.413	CHLORINE LEAK DETECTORS	5	DETECTORS GAS LEAKS	PORTACEL	SERIES 65	PO	4 IN DRUM STORE , 1 IN CHLORINATOR ROOM , REFER 7 - 1 - 28 FOR FULLER DETAILS
03-01-00360	X.27.301	SAFETY SHOWER & EYEBATH UNIT	3	SAFETY EQUIPMENT	HUGHES	STD - H - 16C	HU	ELECTRICAL SUPPLY : 230 V , 1PH , 50 Hz
03-01-00361	X.27.304	PORTABLE GAS DETECTORS EQUIPMENT	2 SET	DETECTORS GAS LEAKS	DRAGGER SAFETY	MUJTI GAS	MS	RECHARGEABLE BATTERY OPERATED
03-01-00362	X.27.302	SELF CONCAINED BREANNING APPARATUS	5 SET	SAFETY EQUIPMENT	SIEBE GORMAN	FIRE FIGHTER O2	MS	1,800 LITER FREE AIR CYLINDER
03-01-00363	CN 52	GATE VALVE	18	AIR RELEASE PUMP PRIMING VESSEL	HATTERSLEY	FIG 33X 12mm (1/2" BSP)	MS	MANUAL
03-01-00364	CN 53	DIAPHRAGM VALVE	1	CAUSTIC SODE TANK OUTLET	SAUNDERS	TYPE "A" 80 mm	MS	MANUAL
03-01-00365	CN54	DIAPHRAGM VALVE	1	LEVEL GAUGE ISOLATION CAUSTIC SODE TANK	SAUNDERS	TYPE "B" 80 mm	MS	MANUAL
03-01-00366	CN55	NON-RETURN VALVE	2	ABSORPTION PIT SPARGE PIPE	GF	TYPE 361 40 mm	MS	
03-01-00367	Z.27.302	CHLORINATION DRUMS	84	STORAGE OF LIQUID CHLORINE	PORTACEL		PO	AS SUPPLID BY PCI INITIALLY CAPACITY : UP TO 970 Kg OF LIQUID CHLORINE , CONNECTION : 5/8" B.S.P
	EQUIP.	UNIT	QTY	FUNCTION OF	MANUFACTURER	MODEL	MAINT	OTHER INFORMATION
	REF.			UNIT	SUPPLIER	TYPE	INSTS REF	

03-01-00368	Cn 45	SHOWER ACTUATING VALVE	3	DRENCH SHOWER	HUGES	STD 16C - H -	HU	PART OF ASSEMBLY , X-27-301
03-01-00369	Cn46	GATE VALVE	9	PURGE WATER TO PRE CLORINATION	KENT VALVES	KV 150 10mm (3/8" BSP)	PO	HANDWHEEL
03-01-00370	Cn 48	NON-RETURN VALVE	2	SERVICE WATER TO NEUTRALISA- TION PIT	DURAPIPE	674-109 80mm	MS	
03-01-00371	Cn49	BALL VALVE	1	SERVICE WATER TO DRENCH SHOWERS	DURAPIPE	668-106 40mm	MS	MANUAL
03-01-00372	Cn50	NON-RETURN VALVE	3	MIXER O DOSING	GESTRA	CB125 100mm	MS	
03-01-00373	Cn51	VALVE	18	SERVICE WATER TO PUMP PRIMING VESSEL			MS	MANUAL
03-01-00374	Cn39	NON-RETURN VALVE	9	PUMP DELIVERY POST CLORINATION	HATTERSLEY	FIG. 47 40mm	MS	
03-01-00375	Cn40	SLUICE VALVE	9	PUMP DELIVERY POST CLORINATION	HATTERSLEY	FIG. 33 65mm	MS	HANDWHEEL
03-01-00376	Cn41	DIAPHRAGM VALVE	9	INJECTOR ISOLATION PRE CLORINATION	SAUNDERS	TYPE A 80mm	MS	HANDWHEEL
03-01-00377	Cn42	DOME VALVE	18	PRESSURE GAUGE ISOLATION	BOURDON (GB)	RBL NO. 145 (1/2" BSP)	MS	LEVER
03-01-00378	Cn43	GATE VALVE	4	EVAPORATOR SERVICE WATER ISOLATION	PORTACEL	VC2	PO	HANDWHEEL
03-01-00379	Cn44	GATE VALVE	4	EVAPORATOR DRAIN	PORTACEL	VC2	PO	HANDWHEEL
03-01-00380	Cn34	ANGLE VALVE	2	PRESSURE GAUGE ISOLATION	PORTACEL	VC35 12mm	PO	HANDWHEEL
03-01-00381	Cn35	ANGLE VALVE	8	PRESSURE GAUGE ISOLATION	PORTACEL	VC35 12mm	PO	HANDWHEEL
03-01-00382	Cn36	ANGLE VALVE	4	PRESSURE SWITCH ISOLATION	PORTACEL	VC35 25mm	PO	HANDWHEEL
03-01-00383	Cn37	SLUICE VALVE	1	PUMP SUCTION MANIFOLD ISOLATION - PRE CHLOR	BLAKEBOROUGH	MF 250mm	BL	HANDWHEEL
03-01-00384	Cn37	SLUICE VALVE	1	PUMP SUCTION MANIFOLD ISOLATION - PRE CHLOR	BLAKEBOROUGH	MF 150mm	BL	HANDWHEEL
03-01-00385	Cn38	SLUICE VALVE	9	PUMP SUCTION PRE CHLORINATION	BLAKEBOROUGH	MF 80mm	BL	HANDWHEEL WITH LOCKING DEVICE
03-01-00386	Cn38	SLUICE VALVE	9	PUMP SUCTION PRE CHLORINATION	BLAKEBOROUGH	MF 50mm	BL	HANDWHEEL WITH LOCKING DEVICE
03-01-00387	Cn39	NON - RETURN VALVE	9	PUMP DELIVERY PRE CHLORINATION	HATTERSLY	FIG. 47 65mm	MS	
03-01-00388	Cn23	NON - RETURN VALVE	2	MIXER 2A DOSING ISOLATION	GESTRA	CB125 100mm	MS	
03-01-00389	Cn25	NON - RETURN VALVE	3	MIXER 4 DOSING ISOLATION	GESTRA	CB125 100mm	MS	
03-01-00390	Cn27	NON - RETURN VALVE	3	MIXER 5 DOSING ISOLATION	GESTRA	CB125 80mm	MS	

03-01-00391	Cn29	ANGLE VALVE	2	PRESSURE SWITCH ISOLATION	PORTACEL	VC35 25mm	PO	HANDWHEEL
03-01-00392	Cn30	ANGLE VALVE	2	PRESSURE SWITCH ISOLATION	PORTACEL	VC35 12mm	PO	HANDWHEEL
03-01-00393	Cn31	PLUG VALVE 2WAY	2	RELIEF CYLINDER ISOLATION	PORTACEL	067 25mm	PO	LEVER WITH LOCKING DEVICE
03-01-00394	Cn32	PLUG VALVE 2WAY	2	RELIEF CYLINDER ISOLATION	PORTACEL	067 25mm	PO	LEVER WITH LOCKING DEVICE
03-01-00395	Cn33	ANGLE VALVE	2	PRESSURE SWITCH ISOLATION	PORTACEL	VC35 12mm	PO	HANDWHEEL
03-01-00396	Cn15	DIAPHRAGM VALVE	3	MIXER 0 DOSING ISOLATION	SAUNDERS	TYPE A 100mm	MS	HANDWHEEL
03-01-00397	Cn16	DIAPHRAGM VALVE	3	MIXER 2A DOSING ISOLATION	SAUNDERS	TYPE A 100mm	MS	HANDWHEEL
03-01-00398	Cn17	DIAPHRAGM VALVE	3	MIXER 4 DOSING ISOLATION	SAUNDERS	TYPE A 100mm	MS	HANDWHEEL
03-01-00399	Cn18	DIAPHRAGM VALVE	3	MIXER 5 DOSING ISOLATION	SAUNDERS	TYPE A 100mm	MS	HANDWHEEL
03-01-00400	Cn19	DIAPHRAGM VALVE	12	MIXER 0 INJECTOR ISOLATION	SAUNDERS	TYPE A 100mm	MS	HANDWHEEL
03-01-00401	Cn20	NON - RETURN VALVE	12	MIXER 0 INJECTOR ISOLATION	GESTRA	CB125 50mm	MS	
03-01-00402	Cn21	DIAPHRAGM VALVE	12	MIXER 0 DOSING POINT ISOLATION	SAUNDERS	TYPE A 50mm	MS	HANDWHEEL
03-01-00403	Cn22	DIAPHRAGM VALVE	3	MIXER 5 DOSING ISOLATION	SAUNDERS	TYPE A 100mm	MS	HANDWHEEL