



PARTS LIST			
ITEM	QTY	DESCRIPTION	PART NO
1	2	500CVX CAVEX-10 CYCLONE	CVX500FRD-035
2	2	ISOGATE VALVE - MANUAL	KGWS08EBMIANA0-030
3	2	LOAD DISTRIBUTION RING	LDR-200D3C22
4	1	CYCLONE CLUSTER FRAME	CCF500-99237E02
5	1	DISTRIBUTOR BOX	CDB500-819173W21
6	1	OVERFLOW TANK	COT500-819174Z23
7	1	UNDERFLOW TANK	CUT500-819175Z23
8	2	CYCLONE SPOOL PIPE	CSP200D3-400-12W21
9	1	200NB BLANKING FLANGE	BF200D3Z23
10	2	OVERFLOW PIPE	COP500-SH960P62
11	2	CYCLONE MOUNTING PLATE	CMP500-99236E02
12	16	DISTRIBUTOR BOX SHIM	DBS-99240E02
13	2	CYCLONE SPRAY GUARD	50074CVX-806458Z23
14	1	PRESSURE GAUGE ASSEMBLY	PGA-50-250KPA
15	1	SAMPLE POINT ASSEMBLY	CSA-BV50-50-HOSE
16	1	BALL VALVE ASSEMBLY	BVA-WP32-24
17	1	PRESSURE TRANSDUCER	PT-261GNDR2SSZ1U2
18	1	CLUSTER NAMEPLATE	NP/CLUSTER
19	1	CLUSTER NAMEPLATE BRACKET	NP-CYC-BKT22
20	4	DISTRIBUTOR BOX FIXING BOLTS	M16H2-70ZX
21	24	DISTRIBUTOR BOX LID FIXING BOLTS	M16H1-90ZX
22	8	VALVE FIXING STUDS	M20Z3-150ZX
23	16	VALVE FIXING SOCKET GRUB SCREWS	M20A2-80ZX
24	16	SPOOL TO CYCLONE STUDS	M20Z3-70ZX
25	24	CYCLONE & VALVE NYLOCK NUT	M20H13-ZW
26	8	MOUNTING PLATE BOLTS	M20H1-70ZX
27	8	CYCLONE TO MOUNTING PLATE BOLTS	M20H1-60ZX
28	12	PRESSURE GAUGE BOLTS	M16H1-65ZX
29	16	OVERFLOW PIPE FLANGE STUDS	M20Z3-100ZX
30	40	M16 WASHERS	M16-11-Z
31	16	M20 WASHERS	M20-11-Z
32	4	TANK LIFTING EYE	M16E1-HC
33	1	OVERFLOW TANK SPLASH COVERS	OTSC500-819251
34	1	UNDERFLOW TANK SPLASH COVERS	UTSC500-819252
35	4	WEIR STICKERS	STICKER-WEIR-300
36	4	CAVEX STICKERS	STICKER-CAVEX-300
37	4	LINATEX SAFETY STICKERS	STICKER-LINATEX240

NOTES

1. ALL PROCESS FLANGE MUST NOT HAVE EXTERNAL LOADS APPLIED BY PIPEWORK.

2. MAXIMUM OPERATING PRESSURE 250 kPa

3. ALL INTERNAL WEAR SURFACES TO BE RUBBER LINED
12mm THICK DISTRIBUTOR BOX AND UNDERFLOW TANK
6mm THICK OVERFLOW TANK AND ALL FLANGE FACES

CALC. MASSES (EACH):

EACH CYCLONE	490 kg
DISTRIBUTOR BOX	453 kg
OVERFLOW TANK	515 kg
UNDERFLOW TANK	976 kg
CYCLONE CLUSTER FRAME	430 kg
EACH VALVE - MANUAL	53 kg
EACH OVERFLOW PIPE	41 kg
EACH CYCLONE MOUNTING PL.	115 kg
EACH SPOOL PIECE (OUTER)	28 kg

TOTAL EMPTY: 3790 kg

VESSEL VOLUMES:

DISTRIBUTOR:	0,204 m ³
CYCLONE (EACH):	0,296 m ³
OVERFLOW TANK:	1,160 m ³
UNDERFLOW TANK:	2,788 m ³

LOAD 'A' - COMPLETE ASSEMBLY (LEVEL 1 & LEVEL 2)

SYSTEM EMPTY	3790 kg
TOTAL OPERATING	5984 kg
EXTREME CASE SANDED (BULK S.G. @ 2,24)	13368 kg

LOAD 'B' - CYCLONES & FRAME ASSEMBLY (LEVEL 2)

SYSTEM EMPTY	2337 kg
TOTAL OPERATING	2659 kg
EXTREME CASE SANDED (BULK S.G. @ 2,24)	3112 kg

LOAD 'C' - OVERFLOW TANK (LEVEL 2)

SYSTEM EMPTY	515 kg
TOTAL OPERATING	1033 kg
EXTREME CASE SANDED (BULK S.G. @ 2,24)	3114 kg

LOAD 'D' - UNDERFLOW TANK (LEVEL 1)

SYSTEM EMPTY	976 kg
TOTAL OPERATING	2835 kg
EXTREME CASE SANDED (BULK S.G. @ 2,24)	7221 kg

WEIGHT IN KG		ALL DIMENSIONS IN MM		PRODUCT	
OFFICE OF ORIGIN : TODMORDEN		DESIGN TEAM : REGIONAL ENGINEERING		CAVEX® Hydrocyclones	
SCALE: 1:20		APP: -		TITLE	
CHK: -		DRN: S.PONTING		3 WAY 500VX CYCLONE CLUSTER	
DATE: 14.FEB.2022		SHEET 1 OF 1		2 FITTED, 1 OPERATING	
REV		DESCRIPTION		SHEET SIZE DRAWING No	
3				A1 A819171	
2				REVISION	
1				0	
0					