

Material	Material Description	Long Description	QTY (Units)
95022508	PIPE,3",150LBS,150MM,PTFE LINED,PAC243A	PIPE, NOMINAL DIAMETER: 3", CLASS/RATING: 150LBS, CONSTRUCTION: SEAMLESS,PTFE LINED, END CONNECTION TYPE: FIXED FLANGES AT BOTH ENDS,PTFE; RF TO ANSI B16.5, SCHEDULE: SCH 40, MATERIAL: CS, MATERIAL STANDARD: PIPE -ASTM A53 GR.B,FLANGES -ASTM A 105, STANDARD: ASME B36.10 AND ASTM F423, MFR NAME: BAUM KUNSTSTOFFE GMBH, ADD. INFO.1: UHDE CODE-PAC243A, ADD. INFO.2: 150MM LG THIS PIPE SPOOL WITH FLANGES SHALL BE LINED WITH MINIMUM 3 MM THICK PTFE LINING; LENGTH OF PIPE SPOOL AFTER LINING (DISTANCE BETWEEN PTFE LINER FACE ON ONE FLANGE TO THE LINER FACE ON THE OTHER) SHALL BE 150 MM LINING PTFE.; TECHNICAL DELIVERY CONDITION ASME B36.1 0; AND ASTM F423; CERTIFICATION REQUIRED ACORD TO EN10204-3.1B FOR STEEL PARTS; MATERIAL AND TESTS AND EN10204-2.1 FOR PTFE LINING MATERIAL.	2
95022608	PIPE,3",150LBS,2000MM,PTFE LINED,PAC256A	PIPE, NOMINAL DIAMETER: 3", CLASS/RATING: 150LBS, CONSTRUCTION: SEAMLESS, PTFE LINED, END CONNECTION TYPE: FLANGES AT BOTH ENDS; FLANGE AT ONE END SHALL BE FIXED AND THAT AT OTHER END SHALL BE LOOSE LAP JOINT FLANGE WITH A STUB END WELDED TO PIPE,LINING PTFE; SCHEDULE: SCH 40, MATERIAL: CS, MATERIAL STANDARD: PIPE -ASTM A53 GR.B,FLANGES -ASTM A 105, STANDARD: ASME B 36.10 AND ASTM F423, MFR NAME: BAUM KUNSTSTOFFE GMBH, ADD. INFO.1: UHDE CODE-PAC256A, ADD. INFO.2: 2000 MM LG THIS PIPE SPOOL WITH FLANGES SHALL BE LINED WITH MINIMUM 3 MM THICK PTFE LINING; LENGTH OF PIPE SPOOL AFTER LINING (DISTANCE BETWEEN PTFE LINER FACE ON ONE FLANGE TO THE LINER FACE ON THE OTHER) SHALL BE 2000MM; TECHNICAL DELIVERY CONDITION ASME B36.10 AND ASTM F4 23; CERTIFICATION REQUIRED ACORD TO EN10204-3.1B FOR STEEL PARTS; MATERIAL AND TESTS AND EN10204-2.1 FOR PTFE LINING	1
95070018	IMMERSION PIPE,SPECIAL,TITANIUM,WX070110	PART NAME: IMMERSION PIPE, TYPE: SPECIAL, MATERIAL: TITANIUM, SIZE: SEE ATTACHED DRAWING , CERTIFICATION: MTC REQUIRED, ADDITIONAL INFO:ISOMETRIC 080410B,PART NUMBER: WX070110	1
95030829	PIPE,12",SMLS,BE,S20,CS,A333 GR.6 - 6 Meters Each	PIPE, NOMINAL DIAMETER: 12", CONSTRUCTION: SMLS, END CONNECTION TYPE: BE, SCHEDULE: S-20, MATERIAL: CS, ASTM A333 GR.6, STANDARD: ASME B36.10M 1 EA = 6 METER	1
87610588	ADAPTER SPOOL FOR VENTURI,VV120002	SPOOL AS PER ATTACHED DRAWING, ADAPTER SPOOL FOR FITTING VENTURY (EDUCTOR), END CONNECTION TYPE: 20MM THICK PLATE, FIRST END SIZE: 1 1/2"X 150 CLASS / 1 1/2" X 300 CLASS / 2" X 150 CLASS / 2" X 300 CLASS FLANGE, SECOND END SIZE: OTHER END SUITABLE FOR FITTING TO A VENTURY, PAINTING <(><)> COATING: SAND BLASTED TO QUALITY SA 2 1/2 + PRIMER COATING AND TOP COLOR - WHITE ACCORDING TO RAL 9010. ASSET NO.: VV120002	1
96900019	ADAPTER:3/4",CAM&GROOVE,NPT FEMALE	ADAPTER: SIZE: 3/4", TYPE: CAM<(><)>GROOVE HOSE COUPLING, END CONNECTION: NPT FEMALE, MATERIAL: STAINLESS STEEL AISI 316, MC MASTER CODE: 53015K51, ----- PLUG,CAM <(><)>GROOVE HOSE COUPLING	46
80623297	BELLOWS SEAL, DN125, PN40, GLOBE VALVE	BELLOWS SEAL, SIZE: DN125, CLASS/RATING: PN40, MATERIAL: 1.0619+N, MFR NAME: ARMATUREN, MODEL NO.: ARI FABBA, DRAWING ID NO.: 35.066, DRAWING POSITION: 4.1, QAPCO ASSET NO.: FOR Y PATTERN, BW.GLOBE VALVE	3
95840709	BLIND,BLIND, SPADE,4",600LBS,RF,ASTMA105	BLIND, SPADE, NOMINAL DIAMETER: 4", CLASS/RATING: 600LBS, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, THICKNESS: 6MM, USED FOR ISOLATION	2
95830349	BLIND,SPADE,1 1/2",4MM THK,CL150,RF,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 1 1/2", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	7
95830049	BLIND,SPADE,1 1/2",6.4MM THK,CL150,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 1 1/2", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	6
95830339	BLIND,SPADE,1",4MM THK,CL150,RF,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 1", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	13
95840339	BLIND,SPADE,1",4MM THK,CL300,RF,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 1", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	66
95840039	BLIND,SPADE,1",7MM THK,CL300,RF,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 1", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	17
95830319	BLIND,SPADE,1/2",3MM THK,CL150,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 1/2", CLASS/RATING: CL150, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.47 SERIES A, USED FOR: ISOLATION	4
95840319	BLIND,SPADE,1/2",3MM THK,CL300,RF,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 1/2", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	11
95830409	BLIND,SPADE,10",12MM THK,CL150,RF,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 10", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	84
95840409	BLIND,SPADE,10",12MM THK,CL300,RF,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 10", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	68
95830109	BLIND,SPADE,10",15.7MM THK,CL150,RF,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 10", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	19
95840109	BLIND,SPADE,10",26MM THK,CL300,RF,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 10", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	31
95801099	BLIND,SPADE,10",CL150,RF,CS,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 10", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	5
95801339	BLIND,SPADE,10",CL300,RF,CS,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 10", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	7
95830419	BLIND,SPADE,12",13MM THK,CL150,RF,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 12", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	60
95840419	BLIND,SPADE,12",13MM THK,CL300,RF,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 12", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	44
95830119	BLIND,SPADE,12",19.1MM THK,CL150,RF,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 12", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	10
95840119	BLIND,SPADE,12",29MM THK,CL300,RF,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 12", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	5
95850119	BLIND,SPADE,12",600LBS,RTJ,A387 GR.11CL2	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 12", CLASS/RATING: 600LBS, FLANGE FACE DESIGN: RTJ, MATERIAL: CARBON STEEL, MATERIAL STANDARD: ASTM A387 GR.11 CL.2, THICKNESS: 50MM	2
95801109	BLIND,SPADE,12",CL150,RF,CS,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 12", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	15
95801349	BLIND,SPADE,12",CL300,RF,CS,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 12", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	4
95800849	BLIND,SPADE,12",CL600,RF,CS, A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 12", CLASS/RATING: CL600, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	4
95830429	BLIND,SPADE,14",14MM THK,CL150,RF,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 14", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	42
95840429	BLIND,SPADE,14",14MM THK,CL300,RF,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 14", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	20
95830129	BLIND,SPADE,14",19.1MM THK,CL150,RF,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 14", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	2
95840129	BLIND,SPADE,14",32MM THK,CL300,RF,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 14", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	7
95890263	BLIND,SPADE,14",CL150,RF,CS,A285 GR C	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 14", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A285 GR C, MATERIAL STANDARD: ASME B16.5	4
95800859	BLIND,SPADE,14",CL600,RF,CS,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 14", CLASS/RATING: CL600, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	2
95830439	BLIND,SPADE,16",16MM THK,CL150,RF,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 16", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	23
95840439	BLIND,SPADE,16",16MM THK,CL300,RF,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 16", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	22
95830139	BLIND,SPADE,16",22.4MM THK,CL150,RF,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 16", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	8
95801129	BLIND,SPADE,16",CL150,RF,CS,A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 16", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	1

95801329	BLIND, SPADE, 8", CL300, RF, CS, A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 8", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105, MATERIAL STANDARD: ASME B16.5, USED FOR: ISOLATION	7
95851109	BLIND, SPADE, 8", TYPE LTG, CL300, RF, A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 8", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: ASTM A105, MATERIAL STANDARD: ASME B16.5	2
95801149	BLIND, SPADE: 20", CL150, RF, ASTM A105	BLIND, TYPE: SPADE, NOMINAL DIAMETER: 20", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105, STANDARD: ASME B16.48, USED FOR: ISOLATION	2
95803178	BLIND, SPECT, 6" X 150LBS, A515GR70, WBC253A	BLIND, TYPE: SPECTACLE BLIND, NOMINAL DIAMETER: 6", CLASS/RATING: 150LBS, MATERIAL: CARBON STEEL, MATERIAL STANDARD: ASTM A 515; GR 70, END STANDARD: API 590, ADD. INFO. 1: UHDE CODE- WBC253A, ADD. INFO. 2: P355NH PO200900569	1
96910219	BUSHING, HEX, BOSS, HOSE: 3/4", STEAM	BUSHING HEXAGONAL FOR STEAM HOSE COUPLING; SIZE: 3/4", TYPE: BOSS, END CONNECTION: NPT FEMALE, MATERIAL: ZINK PLATED STEEL, MCMMASTER CODE: 5360K65,	37
96700018	CAP, 1", 3000LBS, NPT, CS, ASTM A 105	CAP, NOMINAL DIAMETER: 1", CLASS/RATING: 3000LBS, END CONNECTION TYPE: NPT, MATERIAL: CARBON STEEL, MATERIAL STANDARD: ASTM A 105	2
96750419	CAP, 1", CL6000, FNPT, ASTM A105N	CAP, NOMINAL DIAMETER: 1", CLASS/RATING: CL6000, END CONNECTION TYPE: FNPT, MATERIAL: ASTM A105N, STANDARD: ASME B16.11	9
96700579	CAP, 12", SMLS, BW, S-20, ASTM A234 WPB	CAP, NOMINAL DIAMETER: 12", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-20, MATERIAL: ASTM A234 WPB, STANDARD: ASME B16.9	4
96700599	CAP, 12", SMLS, BW, S-60, A234 WP11	CAP, NOMINAL DIAMETER: 12", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-60, MATERIAL: ALLOY STEEL ASTM A234 WP11, STANDARD: ASME B16.9	4
96700249	CAP, 2", SMLS, BW, S-40, ASTM A234 WPB	CAP, NOMINAL DIAMETER: 2", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-40, MATERIAL: ASTM A234 WPB, STANDARD: ASME B16.9	8
96700329	CAP, 3", SMLS, BW, S-80, A234WP11 CL.2	CAP, PIPE: NOMINAL DIAMETER: 3", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-80, MATERIAL STANDARD: ASTM A234 WP11 CL.2, STANDARD: ASME B16.9	1
96929109	CAP, 3/4", CL3000, SW, ASTM A182 F304L	CAP, NOMINAL DIAMETER: 3/4", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: ASTM A182 F304L, STANDARD: ASME B16.11	1
96750409	CAP, 3/4", CL6000, FNPT, ASTM A105N	CAP, NOMINAL DIAMETER: 3/4", CLASS/RATING: CL6000, END CONNECTION TYPE: FNPT, MATERIAL: ASTM A105N, STANDARD: ASME B16.11	52
96700379	CAP, 4", SMLS, BW, S-40, ASTM A234 WPB	CAP, NOMINAL DIAMETER: 4", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-40, MATERIAL: ASTM A234 WPB, STANDARD: ASME B16.9	4
96700690	CAP, 42", SMLS, BW, S-XS, CS, ASTM A234 WPB	CAP, NOMINAL DIAMETER: 42", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-XS, MATERIAL: CARBON STEEL, MATERIAL STANDARD: ASTM A234 WPB, WALL THICKNESS: 12.7 MM, STANDARD: ASME B.16.9	1
96700469	CAP, 6", SMLS, BW, S-80, ASTM A234 WPB	CAP, NOMINAL DIAMETER: 6", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-80, MATERIAL: ASTM A234 WPB, STANDARD: ASME B16.9	2
96700509	CAP, 8", SMLS, BW, S-20, ASTM A234 WPB	CAP, NOMINAL DIAMETER: 8", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-20, MATERIAL: ASTM A234 WPB, STANDARD: ASME B16.9	2
96750029	CAP, 3/4", CL3000, FNPT, LF2	CAP, PIPE: NOMINAL DIAMETER: 3/4", RATING: CLASS 3000, END CONNECTION: NPT FEMALE, MATERIAL: ASTM A350 LF2, STANDARD: ASME B16.11	41
82972058	COMPENSATOR, POLYFLURON-PTFE, 24", CQ260001	POLYFLURON-PTFE-COMPENSATOR-3 WELLLING WITH GUIDE BOLTS, KP-3/24"E, SIZE: 24", BL=170MM, MFR NAME: DR.SCHNABEL GMBH <(>&<)> CO.KG, MATERIAL: FLANGE æ" RST 37.2 ZINCED, REINFORCING RING æ" 1.4301, LIMIT BOLT/NUT æ" MIN.5.6/5; 8.8/8, DISTANCE PIECE æ" STEEL ZINCED, BELLOW æ" POLYFLURON PTFE PASTE EXTRUDED ACC. DIN 2874 2874 + GKV EDITION 93, FLANGE HOLE BOLT CIRCLE DIAMETER: PCD749.3; 35 DIA AND 20 NO OF HOLES, CERTIFICATION: INSPECTION CERTIFICATE ACC. EN10204 3.1B REQUIRED, ASSET NO.: CQ260001, CQ260002, ADD. INFO: PREVIOUS ORDER NO- 4549363 COMM. NO- 28988.	1
96571149	CON SW, 2", 1 1/2", TBE, 160, A106GR. B GALV	CONCENTRIC SWAGE NIPPLE, FIRST END NOMINAL DIAMETER: 2", SECOND END NOMINAL DIAMETER: 1 1/2", END CONNECTION TYPE: TBE, SCHEDULE: S-160, MATERIAL: ASTM A106 GR. B GALV., STANDARD: MSS SP95	1
96572149	CON SW, 2", 1", PBE, 40, A182 F304L	CONCENTRIC SWAGE NIPPLE, FIRST END NOMINAL DIAMETER: 2", SECOND END NOMINAL DIAMETER: 1", END CONNECTION TYPE: PBE, SCHEDULE: S-40, MATERIAL: ASTM A182 F304L, STANDARD: MSSSP95	1
96572039	CON SW, 3/4", 1/2", PBE, 160, A234 WPB	CONCENTRIC SWAGE NIPPLE, FIRST END NOMINAL DIAMETER: 3/4", SECOND END NOMINAL DIAMETER: 1/2", END CONNECTION TYPE: PBE, SCHEDULE: S-160, MATERIAL: ASTM A234 WPB, STANDARD: MSSSP95	2
96900009	COUPLER: 3/4", CAM & GROOVE, NPT FEMALE	COUPLER: SIZE: 3/4", TYPE: CAM<(>&<)>-GROOVE HOSE COUPLING, TYPE: D COUPLER, END CONNECTION: NPT FEMALE, MATERIAL: STAINLESS STEEL AISI 316, MC MASTER CODE: 53015K21, ----- SOCKET, CAM<(>&<)>-GROOVE HOSE COUPLING	39
95096102	COUPLING, 1", CL3000, STRAIGHT, SW, CUNI	COUPLING TYPE : STRAIGHT SIZE : 1" CLASS/RATING : 3000 END CONNECTION : SOCKET WELD MATERIAL : CUNI 90/10	8
88415053	COUPLING, 1", CL6000, FNPT, A350LF2	COUPLING, NOMINAL DIAMETER: 1", CLASS/RATING: CL6000, END CONNECTION TYPE: FNPT, MATERIAL: LTCS, MATERIAL STANDARD: ASTM A350 GR.LF2, TOTAL LENGTH : 92MM	1
88415043	COUPLING, 3/4", CL6000, FNPT, A350LF2	COUPLING, NOMINAL DIAMETER: 3/4", CLASS/RATING: CL6000, END CONNECTION TYPE: FNPT, MATERIAL: LTCS, MATERIAL STANDARD: ASTM A350 GR.LF2, TOTAL LENGTH : 65MM	3
96440099	COUPLING, HALF, 1", CL3000, SW, A105N	COUPLING, TYPE: HALF, NOMINAL DIAMETER: 1", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	31
96440459	COUPLING, HALF, 1", CL6000, SW, A105N	COUPLING, TYPE: HALF, NOMINAL DIAMETER: 1", CLASS/RATING: CL6000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	2
96470059	COUPLING, HALF, 1/2", CL3000, FNPT, A105N	COUPLING, TYPE: HALF, NOMINAL DIAMETER: 1/2", CLASS/RATING: CL3000, END CONNECTION TYPE: FNPT, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	19
96440059	COUPLING, HALF, 1/2", CL3000, SW, A105N	COUPLING, TYPE: HALF, NOMINAL DIAMETER: 1/2", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	16
96440419	COUPLING, HALF, 1/2", CL6000, SW, A105N	COUPLING, TYPE: HALF, NOMINAL DIAMETER: 1/2", CLASS/RATING: CL6000, END CONNECTION TYPE: SW, MATERIAL: ASTM A105N, STANDARD: ASME B16.11	33
96440079	COUPLING, HALF, 3/4", CL3000, SW, A105N	COUPLING, TYPE: HALF, NOMINAL DIAMETER: 3/4", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	122
96444079	COUPLING, HALF, 3/4", CL3000, SW, A350 LF2	COUPLING, TYPE: HALF, NOMINAL DIAMETER: 3/4", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A350 LF2, STANDARD: ASME B16.11	40
96440439	COUPLING, HALF, 3/4", CL6000, SW, A105N	COUPLING, TYPE: HALF, NOMINAL DIAMETER: 3/4", CLASS/RATING: CL6000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	8
96400028	COUPLING, RED, 1 1/2" X 1", 3000LBS, NPT, A105	COUPLING, TYPE: REDUCER, FIRST END NOMINAL DIAMETER: 1 1/2", SECOND END NOMINAL DIAMETER: 1", CLASS/RATING: 3000LBS, END CONNECTION TYPE: NPT, MATERIAL: CARBON STEEL, MATERIAL STANDARD: ASTM A 105	8
96434079	COUPLING, RED, 1", 1/2", CL3000, SW, A350LF2	COUPLING, TYPE: REDUCER, FIRST END NOMINAL DIAMETER: 1", SECOND END NOMINAL DIAMETER: 1/2", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A350 LF2, STANDARD: ASME B16.11	1
96430069	COUPLING, RED, 1", 3/4", CL3000, SW, A105N	COUPLING, TYPE: REDUCER, FIRST END NOMINAL DIAMETER: 1", SECOND END NOMINAL DIAMETER: 3/4", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	55
96430159	COUPLING, RED, 1" X 3/4", CL6000, SW, A105N	COUPLING, TYPE: REDUCER, FIRST END NOMINAL DIAMETER: 1", SECOND END NOMINAL DIAMETER: 3/4", CLASS/RATING: CL6000, END CONNECTION TYPE: SW, MATERIAL: CARBON STEEL, MATERIAL STANDARD: ASTM A105N, STANDARD: ASME B16.11	1
96460299	COUPLING, RED, 2", 1 1/2", CL3000, NPT, A105N	COUPLING, TYPE: REDUCER, FIRST END NOMINAL DIAMETER: 2", SECOND END NOMINAL DIAMETER: 1 1/2", CLASS/RATING: CL3000, END CONNECTION TYPE: NPT, MATERIAL: CS, ASTM A105N GALV., STANDARD: ASME B16.11	1
96430149	COUPLING, RED, 2", 1", CL3000, SW, A105N	COUPLING, TYPE: REDUCER, FIRST END NOMINAL DIAMETER: 2", SECOND END NOMINAL DIAMETER: 1", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	41
96430169	COUPLING, RED, 3/4", 1/2", CL6000, SW, A105N	COUPLING, TYPE: REDUCER, FIRST END NOMINAL DIAMETER: 3/4", SECOND END NOMINAL DIAMETER: 1/2", CLASS/RATING: CL6000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	1
96426139	COUPLING, STR, 1 1/2", CL3000, A182 F304L	COUPLING, TYPE: STRAIGHT, NOMINAL DIAMETER: 1 1/2", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: SS, ASTM A182 F304L, DIMENSION STANDARD: ASME B16.11	2
96450309	COUPLING, STR, 1 1/2", CL3000, NPT, A105N	COUPLING, TYPE: STRAIGHT, NOMINAL DIAMETER: 1 1/2", CLASS/RATING: CL3000, END CONNECTION TYPE: NPT, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	6
96451079	COUPLING, STR, 1 1/2", CL3000, NPT, A105N G	COUPLING, TYPE: STRAIGHT, NOMINAL DIAMETER: 1 1/2", CLASS/RATING: CL3000, END CONNECTION TYPE: NPT, MATERIAL: CS, ASTM A105N GALV., STANDARD: ASME B16.11	3

96428139	COUPLING,STR,1 1/2",CL3000,SW,A182F316L	COUPLING, TYPE: STRAIGHT, NOMINAL DIAMETER: 1 1/2", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: SS, ASTM A182 F316L, STANDARD: ASME B16.11	1
96424139	COUPLING,STR,1 1/2",CL3000,SW,A350LF2	COUPLING, TYPE: STRAIGHT, NOMINAL DIAMETER: 1 1/2", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A350 LF2, STANDARD: ASME B16.11	3
96451059	COUPLING,STR,1",CL3000,NPT,A105N GALV	COUPLING, TYPE: STRAIGHT, NOMINAL DIAMETER: 1", CLASS/RATING: CL3000, END CONNECTION TYPE: NPT, MATERIAL: CS, ASTM A105N GALV., STANDARD: ASME B16.11	2
96426099	COUPLING,STR,1",CL3000,SW,A182 F304L	COUPLING, TYPE: STRAIGHT, NOMINAL DIAMETER: 1", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: SS, ASTM A182 F304L, STANDARD: ASME B16.11	1
96450329	COUPLING,STR,2",CL3000,NPT,CS,A105N	COUPLING, TYPE: STRAIGHT, NOMINAL DIAMETER: 2", CLASS/RATING: CL3000, END CONNECTION TYPE: NPT, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	4
96420139	COUPLING,STRAIGHT,1 1/2",CL3000,SW,A105N	COUPLING, TYPE: STRAIGHT, NOMINAL DIAMETER: 1 1/2", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	62
96420499	COUPLING,STRAIGHT,1 1/2",CL6000,SW,A105N	COUPLING, TYPE: STRAIGHT, NOMINAL DIAMETER: 1 1/2", CLASS/RATING: CL6000, END CONNECTION TYPE: SW, MATERIAL: CS,ASTM A105N, STANDARD: ASME B16.11	11
96420099	COUPLING,STRAIGHT,1",CL3000,SW,A105N	COUPLING, TYPE: STRAIGHT, NOMINAL DIAMETER: 1", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	118
96420459	COUPLING,STRAIGHT,1",CL6000,SW,A105N	COUPLING, TYPE: STRAIGHT, NOMINAL DIAMETER: 1", CLASS/RATING: CL6000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	29
96420419	COUPLING,STRAIGHT,1/2",CL6000,SW,A105N	COUPLING, TYPE: STRAIGHT, NOMINAL DIAMETER: 1/2", CLASS/RATING: CL6000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	6
96420079	COUPLING,STRAIGHT,3/4",CL3000,SW,A105N	COUPLING, TYPE: STRAIGHT, NOMINAL DIAMETER: 3/4", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	240
96424049	COUPLING,STRAIGHT,3/4",CL3000,SW,A350LF2	COUPLING, TYPE: STRAIGHT, NOMINAL DIAMETER: 3/4", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A350 LF2, STANDARD: ASME B16.11	6
96420439	COUPLING,STRAIGHT,3/4",CL6000,SW,A105N	COUPLING, TYPE: STRAIGHT, NOMINAL DIAMETER: 3/4", CLASS/RATING: CL6000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	23
96420059	COUPLING,PIPE:1/2",CL3000,STRAIGHT,SW,A105N	COUPLING,PIPE: TYPE: STRAIGHT, NOMINAL DIAMETER: 1/2", RATING: CLASS 3000, END CONNECTION: SOCKET WELD, MATERIAL: CARBON STEEL-ASTM A105N, STANDARD: ASME B16.11	76
95096139	COUPLING,PIPE:3/4",CL3000,STRAIGHT,SW,CUNI	COUPLING,PIPE: NOMINAL DIA: 3/4", TYPE: STRAIGHT, CLASS/RATING: 3000, END CONNECTION: SOCKET WELD, MATERIAL: CuNi-90/10,	10
96434109	COUPLING:RED,1"X3/4",CL3000,SW,LF2	COUPLING: TYPE: REDUCING, FIRST END NOMINAL DIAMETER: 1", SECOND END NOMINAL DIAMETER: 3/4", RATING: CLASS 3000, END CONNECTION TYPE: SW, END STANDARD: ASME B16.11, MATERIAL: LTCS, MATERIAL STANDARD: ASTM A350 LF2,	66
96195029	CROSS,EQUAL,1/2",CL6000,SW,ASTM A105N	CROSS, TYPE: EQUAL, NOMINAL DIAMETER: 1/2", CLASS/RATING: CL6000, END CONNECTION TYPE: SW, MATERIAL: ASTM A105N, STANDARD: ASME B16.11	1
95800328	D-SPACER,16"150,25MMHK,PTFE LINED,DD55A	TYPE: DISTANCE SPACER, NOMINAL DIAMETER: 16", CLASS/RATING: 150LBS, MATERIAL: CARBON STEEL, MATERIAL STANDARD: ASTM A105, THICKNESS: 25MM, LINING MATERIAL: PTFE, MFR NAME: BAUM KUNSTSTOFFE GMBH, CERTIFICATION: EN10204-3.1B FOR STEEL PARTS; LINING MATERIALS - EN10204-2.1, ADD. INFO.1: UHDE CODE-DD55A, ADD. INFO.2: USED FOR INSTALLATION OF BUTTERFLY VALVES D-SPACER	8
95800388	D-SPACER,3",150LBS,10MMTHK,PTFE,DD210A	SPACER, TYPE: DISTANCE SPACER- FULL PTFE, NOMINAL DIAMETER: 3", CLASS/RATING: 150LBS, MATERIAL: PTFE/PFA, THICKNESS: 10MM, STANDARD: MFR.STD, MFR NAME: BAUM KUNSTSTOFFE GMBH, ADD. INFO.1: UHDE CODE-DD210A	2
95800278	D-SPACER,6",150,25MMTHK,PTFE LINED,DD55A	TYPE: DISTANCE SPACER, NOMINAL DIAMETER: 6", CLASS/RATING: 150LBS, MATERIAL: CARBON STEEL, MATERIAL STANDARD: ASTM A105, THICKNESS: 25MM, LINING MATERIAL: PTFE, MFR NAME: BAUM KUNSTSTOFFE GMBH, CERTIFICATION: EN10204-3.1B FOR STEEL PARTS; LINING MATERIALS - EN10204-2.1, ADD. INFO.1: UHDE CODE-DD55A, ADD. INFO.2: USED FOR INSTALLATION OF BUTTERFLY VALVES	1
96020028	ELBOW,14",45DEG,LR,BW,A403 347H	ELBOW, TYPE: 45 DEG-LR, NOMINAL DIAMETER: 14", CONSTRUCTION: WELDED, END CONNECTION TYPE: BUTT WELD ENDS, MATERIAL STANDARD: A 403 GR WP 347HW, WALL THICKNESS: 9.52MM, STANDARD: ASME B16.9, CERTIFICATION: MATERIAL TEST CERTIFICATE REQUIRED, ADD. INFO.1: ADIABATIC REACTOR; LINE 140106	2
96000099	ELBOW,45 LR,2",SMLS,BW,S40,A234 WPB	ELBOW, TYPE: 45 LR, NOMINAL DIAMETER: 2", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-40, MATERIAL: CS, ASTM A234 WPB, STANDARD: ASME B16.9	166
96000109	ELBOW,45 LR,2",SMLS,BW,S80,A234 WPB	ELBOW, TYPE: 45 LR, NOMINAL DIAMETER: 2", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-80, MATERIAL: CS, ASTM A234 WPB, STANDARD: ASME B16.9	3
96020139	ELBOW,45LR,1 1/2",CL3000,SW,A105N	ELBOW, TYPE: 45 LR, NOMINAL DIAMETER: 1 1/2", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	21
96020099	ELBOW,45LR,1",CL3000,SW,A105N	ELBOW, TYPE: 45 LR, NOMINAL DIAMETER: 1", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	27
96010079	ELBOW,90 LR,1 1/2",SMLS,BW,80,A234 WPB	ELBOW, TYPE: 90 LR, NOMINAL DIAMETER: 1 1/2", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-80, MATERIAL: CS, ASTM A234 WPB, STANDARD: ASME B16.9	9
96030099	ELBOW,90 LR,1",CL3000,SW,A105N	ELBOW, TYPE: 90 LR, NOMINAL DIAMETER: 1", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	22
96030459	ELBOW,90 LR,1",CL6000,SW,A105N	ELBOW, TYPE: 90 LR, NOMINAL DIAMETER: 1", CLASS/RATING: CL6000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	9
95052969	ELBOW,90 LR,10",S20,CS CEMENTED,A234 WPB	ELBOW, TYPE: 90 LONG RADIUS, NOMINAL DIAMETER: 10", END CONNECTION TYPE: PUP PIPE WELDED ON END FOR SLEEVE JOINT, SCHEDULE: S-20, MATERIAL: CARBON STEEL, MATERIAL STANDARD: ASTM A234 GR WPB W/INT.MORTAR CEMENT LINED, STANDARD: ASME B16.9, CEMENT LINING STANDARD: AWWA C205, ADD. INFO.1: FIRE WATER SERVICE	2
96010119	ELBOW,90 LR,2",SMLS,BW,160,A234 WPB	ELBOW, TYPE: 90 LR, NOMINAL DIAMETER: 2", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-160, MATERIAL: CS, ASTM A234 WPB, STANDARD: ASME B16.9	18
96010109	ELBOW,90 LR,2",SMLS,BW,80,A234 WPB	ELBOW, TYPE: 90 LR, NOMINAL DIAMETER: 2", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-80, MATERIAL: CS, ASTM A234 WPB, STANDARD: ASME B16.9	9
96034079	ELBOW,90 LR,3/4",CL3000,SW,A350 LF2	ELBOW, TYPE: 90 LR, NOMINAL DIAMETER: 3/4", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A350 LF2, STANDARD: ASME B16.11	3
95052949	ELBOW,90 LR,6",S40,CS CEMENTED,A234 WPB	ELBOW, TYPE: 90 LONG RADIUS, NOMINAL DIAMETER: 6", END CONNECTION TYPE: PUP PIPE WELDED ON END FOR SLEEVE JOINT, SCHEDULE: S-40, MATERIAL: CARBON STEEL, MATERIAL STANDARD: ASTM A234 GR WPB W/INT.MORTAR CEMENT LINED, STANDARD: ASME B16.9, CEMENT LINING STANDARD: AWWA C205, ADD. INFO.1: SEA WATER SERVICE	6
96010089	ELBOW,90 SR,2",SMLS,BW,40,A234 WPB	ELBOW, TYPE: 90 SR, NOMINAL DIAMETER: 2", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-40, MATERIAL: CS, ASTM A234 WPB, STANDARD: ASME B16.9	1
28050639	ELBOW,90DEG,MALE,8MMX1/8"NPT,SST,PARKER	ELBOW, TYPE: 90DEG,MALE,SINGLE FERRULE, NOMINAL DIAMETER: 8 MM, END CONNECTION TYPE: 1/8"NPTM, MATERIAL: SST, MFR NAME: PARKER / SWAGelok, PARKER P/N: CBZ81/8 SS, SWAGelok P/N: SS-8M0-2-2, DESIGN CHARACTERISTICS: FOR SS TUBES.	1
96010269	ELBOW,90LR,10",SMLS,BW,40,A234 WPB	ELBOW, TYPE: 90 LR, NOMINAL DIAMETER: 10", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-40, MATERIAL: CS, ASTM A234 WPB, STANDARD: ASME B16.9	1
96030159	ELBOW,90LR,2",CL3000,SW,A105N	ELBOW, TYPE: 90 LR, NOMINAL DIAMETER: 2", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	8
96010099	ELBOW,90LR,2",SMLS,BW,40,A234 WPB	ELBOW, TYPE: 90 LR, NOMINAL DIAMETER: 2", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-40, MATERIAL: CS, ASTM A234 WPB, STANDARD: ASME B16.9	23
96010659	ELBOW,90LR,3",PE,CUNI90/10 UNS NO.C7060X	ELBOW, TYPE: 90 LONG RADIUS, NOMINAL DIAMETER: 3", END CONNECTION TYPE: BUTT WELD, MATERIAL: CUNI 90/10 UNS NO.C7060X, WALL THICKNESS: 2.5MM, STANDARD: EEMUA 146, ADD. INFO.1: SEA WATER SERVICE	1
96014139	ELBOW,90LR,3",SMLS,BW,40,A420 WPL6	ELBOW, TYPE: 90 LR, NOMINAL DIAMETER: 3", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-40, MATERIAL: CS, ASTM A420 WPL6, STANDARD: ASME B16.9	2
96010139	ELBOW,90LR,3",SMLS,BW,80,A234 WPB	ELBOW, TYPE: 90 LR, NOMINAL DIAMETER: 3", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-80, MATERIAL: CS, ASTM A234 WPB, STANDARD: ASME B16.9	1
96030439	ELBOW,90LR,3/4",CL6000,SW,A105N	ELBOW, TYPE: 90 LR, NOMINAL DIAMETER: 3/4", CLASS/RATING: CL6000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	2
96010229	ELBOW,90LR,8",SMLS,BW,20,A234 WPB	ELBOW, TYPE: 90 LR, NOMINAL DIAMETER: 8", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-20, MATERIAL: CS, ASTM A234 WPB, STANDARD: ASME B16.9	2
95096109	ELBOW,PIPE:3/4",CL3000,90DEG,SW,CuNi-90/10	ELBOW,PIPE: NOMINAL DIA: 3/4", TYPE: 90 DEGREE, RATING: CLASS 3000, CONNECTION: SOCKET WELD, MATERIAL: CuNi-90/10, UNS NO.C7060X, STANDARD: EEMUA 146 OR EQ, CERTIFICATE: MTC IS REQUIRED,	16

88100148	EXPANSION JOINT,OD:280MM,NPS:4",COLD BOX	ITEM: EXPANSION JOINT FOR 4" NPS, TYPE: FLEXIBLAE CONNECTIONS FOR COLD BOX, FLEXIBLE SEAL NUMBER: DU159-63B/4, NOZZLE REF: STREAM 4 OUTLET, PIPE SIZE: 4" N.B, HEAT BREAK OD: 280 MM, PCD GASKET: 175, RUBBER SLEEVE OD: 280 MM, DRAWING NUMBER: DU159-63B, MANUFACTURE: CHART MARSTON LTD, LAST PO: A2003MR0630-02 DURING QVC PROJECT, EQUIPMENT: E16207,	1
88100138	EXPANSION JOINT,OD:280MM,NPS:6",COLD BOX	ITEM: EXPANSION JOINT FOR 6" NPS, TYPE: FLEXIBLAE CONNECTIONS FOR COLD BOX, FLEXIBLE SEAL NUMBER: DU159-63B/3, NOZZLE REF: STREAM 3 INLET, PIPE SIZE: 6" N.B, HEAT BREAK OD: 280 MM, PCD GASKET: 230, RUBBER SLEEVE OD: 280 MM, DRAWING NUMBER: DU159-63B, MANUFACTURE: CHART MARSTON LTD, LAST PO: A2003MR0630-02 DURING QVC PROJECT, EQUIPMENT: E16207,	1
88100198	EXPANSION JOINT,OD:280MM,NPS:6",COLD BOX	ITEM: EXPANSION JOINT FOR 6" NPS, TYPE: FLEXIBLAE CONNECTIONS FOR COLD BOX, FLEXIBLE SEAL NUMBER: DU159-63B/6, NOZZLE REF: STREAM 6 OUTLET, PIPE SIZE: 6" N.B, HEAT BREAK OD: 280 MM, PCD GASKET: 230, RUBBER SLEEVE OD: 280 MM, DRAWING NUMBER: DU159-63B, MANUFACTURE: CHART MARSTON LTD, LAST PO: A2003MR0630-02 DURING QVC PROJECT, EQUIPMENT: E16207,	1
88100128	EXPANSION JOINT,OD:330MM,NPS:8",COLD BOX	ITEM: EXPANSION JOINT FOR 8" NPS, TYPE: FLEXIBLAE CONNECTIONS FOR COLD BOX, FLEXIBLE SEAL NUMBER: DU159-63B/2, NOZZLE REF: STREAM 2 OUTLET, PIPE SIZE: 8" N.B, HEAT BREAK OD: 330 MM, PCD GASKET: 280, RUBBER SLEEVE OD: 330 MM, DRAWING NUMBER: DU159-63B, MANUFACTURE: CHART MARSTON LTD, LAST PO: A2003MR0630-02 DURING QVC PROJECT, EQUIPMENT: E16207,	1
88100158	EXPANSION JOINT,OD:330MM,NPS:8",COLD BOX	ITEM: EXPANSION JOINT FOR 8" NPS, TYPE: FLEXIBLAE CONNECTIONS FOR COLD BOX, FLEXIBLE SEAL NUMBER: DU159-63B/5, NOZZLE REF: STREAM 5 INLET, PIPE SIZE: 8" N.B, HEAT BREAK OD: 330 MM, PCD GASKET: 280, RUBBER SLEEVE OD: 330 MM, DRAWING NUMBER: DU159-63B, MANUFACTURE: CHART MARSTON LTD, LAST PO: A2003MR0630-02 DURING QVC PROJECT, EQUIPMENT: E16207,	1
88100118	EXPANSION JOINT,OD:355MM,NPS:6",COLD BOX	ITEM: EXPANSION JOINT FOR 6" NPS, TYPE: FLEXIBLAE CONNECTIONS FOR COLD BOX, FLEXIBLE SEAL NUMBER: DU159-63B/1, NOZZLE REF: STREAM 1 INLET, PIPE SIZE: 6" N.B, HEAT BREAK OD: 355 MM, PCD GASKET: 230, RUBBER SLEEVE OD: 355 MM, DRAWING NUMBER: DU159-63B, MANUFACTURE: CHART MARSTON LTD, LAST PO: A2003MR0630-02 DURING QVC PROJECT, EQUIPMENT: E16207,	1
95810039	EXPANSION JOINT:5",CL150,DILATOFLEX ES,	EXPANSION JOINT: TYPE: NT1, INNER LINING GRADE: ES, SIZE: NPS 5" (ND 125 MM), LENGTH 150 MM, RUBBER FLANGED-ASME B16.5,WITH INTEGRAL STEEL BACKING FLANGES RATING: CLASS 150, OPERATING TEMP: 140 DEG C, OPERATING PRESSURE 8 BAR, MFR: DILATOFLEX,	11
95853441	EXPANSION,BELLOW,44",#150,300MM	EXPANSION, TYPE: BELLOW WITH FLANGE+TIE RODS, SIZE: 44" , CLASS/RATING: 150LBS ASME B16.47 SERIES A, FACE TO FACE DISTANCE: 300 MM, MATERIAL: NEOPRENE, BRAND. BIKAR, FLANGE MATERIAL: GALVANIZED STEEL, TIE ROD MATERIAL: ZINC PLATED STEEL TIE RODS, FLUID: SE A WATER, MODEL NO.: BFPPS	1
76320288	EXPANSION,BELLOW,XX140001	EXPANSION, TYPE: EXPANSION BELLOW WITH FIXATION CLAMPING BAND, DRAWING ID/NO.: 204-00-0008, DRAWING POSITION: 9, MANUF: JOHN ZINK HAMWORTHY, MANUF. P/N: SP103183-0016, ASSET NO.: XX140001, ADD. INFO.1: HCEL ASSEMBLY DRAWING NO - AA44917/918	24
82972018	EXPN,JOINT,20",150LBS,VO210201,CQ260002	PTFE-KOMPENSATOR, SPEC: EXPANSION JOINTS WITH REINFORCING RINGS, TYPE: WITH THREE CONVOLUTES, SIZE: 20", CLASS/RATING: 150LBS, FACING : FLAT FACE ACC. ASME B16.5, LENGTH : 327MM +/- 2%, TAG NO: VO210201, ASSET NO.: CQ260002 ADD INFO: ATTACHED DATA SHEET FOR REFERENCE.	1
92460619	FILE, ROTARY OVAL/EGG SHAPED Ø12MM	FILE; ROTARY, TYPE: OVAL/EGG SHAPED, AXIMUM HEAD DIA: 12 MM, LENGTH OF HEAD: 20 MM, SHANK DIA: 6 MM, MATERIAL: HIGH SPEED STEEL, APPLICATION: ABRADING AND SMOOTHING METALS,	1
88886363	FLANGE, ASTM A105,FOR E40308	FLANGE, TYPE: TEST, MATERIAL: CARBON STEEL ASTM A105, OUTSIDE DIAMETER: 578MM, INSIDE DIAMETER: 450MM, BOLT CIRCLE DIAMETER: 536MM, BOLT HOLE DIAMETER: 22MM, BOLT HOLE QUANTITY: 24, THICKNESS: 32MM, ADD. INFO. 1: FOR E40308	1
95370139	FLANGE,16",CL150,FF,GRP,ASTM D4024	FLANGE: NOMINAL DIAMETER: 16", CLASS/RATING: 150 LBS, END CONNECTION TYPE: FLANGE WITH PLAIN END(LAMINATION JOINT) FLANGE FACE DESIGN: FLAT FACE, MATERIAL: GRP(POLYESTER RESIN), MATERIAL STANDARD: ASTM D4024, STANDARD: ASME B16.5, DESIGN PRESS 6 BARG, DESIGN TEMP 65 DEG C	1
95056039	FLANGE,4",150LBS,A105 W/ INT.CEMENTED	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 4", CLASS/RATING: 150LBS, CONSTRUCTION: PUP PIPE WELDED ON END FOR SLEEVE JOINT, SCHEDULE: S-40, MATERIAL: CARBON STEEL, MATERIAL STANDARD: ASTM A105 WITH INTERNAL MORTAR CEMENT LINED, STANDARD: ASME B16.5, CEMENT LINING STANDARD: AWWA C205, ADD. INFO.1: SEA WATER SERVICE	9
95056049	FLANGE,6",150LBS,RF,A105 W/ INT.CEMENTED	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 6", CLASS/RATING: 150LBS, CONSTRUCTION: PUP PIPE WELDED ON END FOR SLEEVE JOINT, END CONNECTION TYPE: RAISED FACE, SCHEDULE: S-40, MATERIAL: CARBON STEEL, MATERIAL STANDARD: ASTM A105 WITH INTERNAL MORTAR CEMENT LINED, STANDARD: ASME B16.5, CEMENT LINING STANDARD: AWWA C205, ADD. INFO.1: SEA WATER SERVICE	1
95380069	FLANGE,BLIND,1 1/2",CL150,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 1 1/2", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	8
95480029	FLANGE,BLIND,1 1/2",CL300,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 1 1/2", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	30
95580529	FLANGE,BLIND,1 1/2",CL600,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 1 1/2", CLASS/RATING: CL600, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	8
95380059	FLANGE,BLIND,1 1/4",CL150,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 1 1/4", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	1
95380049	FLANGE,BLIND,1",CL150,RF,CS,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 1", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	23
95480069	FLANGE,BLIND,1",CL300,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 1", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	51
95580419	FLANGE,BLIND,1",CL600,LFF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 1", CLASS/RATING: CL600, FLANGE FACE DESIGN: LARGE FEMALE FACE, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	6
95580549	FLANGE,BLIND,1",CL600,LMF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 1", CLASS/RATING: CL600, FLANGE FACE DESIGN: LARGE MALE FACE, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	2
95580029	FLANGE,BLIND,1",CL600,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 1", CLASS/RATING: CL600, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	3
95388139	FLANGE,BLIND,10",150LBS,RF,B16.5,F316	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 10", CLASS/RATING: 150LBS, END CONNECTION TYPE: RAISED FACE, FLANGE FACE DESIGN: ASME B16.5, MATERIAL: STAINLESS STEEL ASTM A182 GR.F316/316L	2
95480739	FLANGE,BLIND,10",300LBS,RF,F316L	FLANGE TYPE: BLIND SIZE:10" CLASS: 300LBS END CONNECTION:FLANGED, RF FLANGE STANDARD: B16.5; MATERIAL: A182 GR. F316L CERTIFICATES: EN10204-3.1B	2
95380129	FLANGE,BLIND,10",CL150,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 10", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	10
95480139	FLANGE,BLIND,10",CL300,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 10", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	22
95580569	FLANGE,BLIND,10",CL600,LFF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 10", CLASS/RATING: CL600, FLANGE FACE DESIGN: LARGE FEMALE FACE, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	5
95580619	FLANGE,BLIND,10",CL600,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 10", CLASS/RATING: CL600, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	1
95380139	FLANGE,BLIND,12",CL150,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 12", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	25
95480149	FLANGE,BLIND,12",CL300,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 12", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: CS,ASTM A105N, STANDARD: ASME B16.5	31
95580589	FLANGE,BLIND,12",CL600,LFF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 12", CLASS/RATING: CL600, FLANGE FACE DESIGN: LARGE FEMALE FACE, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	6
95610287	FLANGE,BLIND,12",CL900,RF,A350 LF2	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 12", CLASS/RATING: CL900, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A350 LF2, STANDARD: ASME B16.5	5
95380149	FLANGE,BLIND,14",CL150,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 14", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	10
95480179	FLANGE,BLIND,14",CL300,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 14", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	14

95380179	FLANGE,BLIND,16",CL150,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 16", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	7
95380209	FLANGE,BLIND,18",CL150,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 18", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	49
95480589	FLANGE,BLIND,2 1/2",CL300,LTF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 2 1/2", CLASS/RATING: CL300, FLANGE FACE DESIGN: LARGE TONGUE FACE, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5 ADD INFO: MATERIAL TEST CERTIFICATE REQUIRED.	2
95380079	FLANGE,BLIND,2",CL150,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 2", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	84
95389049	FLANGE,BLIND,2",CL150,RF,A105N GALV	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 2", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N GALV., STANDARD: ASME B16.5	2
95388079	FLANGE,BLIND,2",CL150,RF,A182 F316L	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 2", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: SS, ASTM A182 F316L, STANDARD: ASME B16.5	1
95382379	FLANGE,BLIND,2",CL150,RF,A350 LF2	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 2", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A350 LF2, STANDARD: ASME B16.5	6
95681029	FLANGE,BLIND,2",CL1500,LTF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 2", CLASS/RATING: CL1500, FLANGE FACE DESIGN: LARGE TONGUE FACE, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	1
95480079	FLANGE,BLIND,2",CL300,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 2", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	201
95486089	FLANGE,BLIND,2",CL300,RF,A182 F304L	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 2", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: SS, ASTM A182 F304L, STANDARD: ASME B16.5	2
95482379	FLANGE,BLIND,2",CL300,RF,A350 LF2	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 2", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A350 LF2, STANDARD: ASME B16.5	28
95580429	FLANGE,BLIND,2",CL600,LFF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 2", CLASS/RATING: CL600, FLANGE FACE DESIGN: LARGE FEMALE FACE, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	2
95580059	FLANGE,BLIND,2",CL600,LTF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 2", CLASS/RATING: CL600, FLANGE FACE DESIGN: LARGE TONGUE FACE, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	2
95580729	FLANGE,BLIND,2",CL600,RTJ,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 2", CLASS/RATING: CL600, FLANGE FACE DESIGN: RING TYPE JOINT FACE, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	1
95380189	FLANGE,BLIND,20",CL150,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 20", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	7
95380199	FLANGE,BLIND,24",CL150,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 24", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	2
95380089	FLANGE,BLIND,3",CL150,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 3", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	48
95389069	FLANGE,BLIND,3",CL150,RF,A105N GALV	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 3", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N GALV., STANDARD: ASME B16.5	12
95542089	FLANGE,BLIND,3",CL150,RF,CUNI 90/10 UNS	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 3", CLASS/RATING: CL150, FLANGE FACE DESIGN: RAISED FACE, MATERIAL: CUNI 90/10 UNS NO.C7060X, STANDARD: EEMUA 146 OR EQ, ASME B16.5	1
95480099	FLANGE,BLIND,3",CL300,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 3", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	44
95580069	FLANGE,BLIND,3",CL600,LTF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 3", CLASS/RATING: CL600, FLANGE FACE DESIGN: LARGE TONGUE FACE, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	1
95380039	FLANGE,BLIND,3/4",CL150,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 3/4", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	1
95380099	FLANGE,BLIND,4",CL150,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 4", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	38
95389089	FLANGE,BLIND,4",CL150,RF,A105N GALV	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 4", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N GALV., STANDARD: ASME B16.5	1
95386099	FLANGE,BLIND,4",CL150,RF,A182 F304L	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 4", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: SS, ASTM A182 F304L, STANDARD: ASME B16.5	1
95382699	FLANGE,BLIND,4",CL150,RF,A350 LF2	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 4", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A350 LF2, STANDARD: ASME B16.5	3
95480109	FLANGE,BLIND,4",CL300,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 4", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	41
95580539	FLANGE,BLIND,4",CL600,LMF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 4", CLASS/RATING: CL600, FLANGE FACE DESIGN: LARGE MALE FACE, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	5
95580079	FLANGE,BLIND,4",CL600,LTF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 4", CLASS/RATING: CL600, FLANGE FACE DESIGN: LARGE TONGUE FACE, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	1
95580459	FLANGE,BLIND,4",CL600,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 4", CLASS/RATING: CL600, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	9
95680249	FLANGE,BLIND,4",CL900,LMF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 4", CLASS/RATING: CL900, FLANGE FACE DESIGN: LARGE MALE FACE, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	2
95680099	FLANGE,BLIND,4",CL900,LTF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 4", CLASS/RATING: CL900, FLANGE FACE DESIGN: LARGE TONGUE FACE, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	1
95380109	FLANGE,BLIND,6",CL150,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 6", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	58
95480619	FLANGE,BLIND,6",CL300,LTF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 6", CLASS/RATING: CL300, FLANGE FACE DESIGN: LARGE TONGUE FACE, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	1
95480119	FLANGE,BLIND,6",CL300,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 6", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	69
95580579	FLANGE,BLIND,6",CL600,LMF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 6", CLASS/RATING: CL600, FLANGE FACE DESIGN: LARGE MALE FACE, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	6
95580119	FLANGE,BLIND,6",CL600,LTF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 6", CLASS/RATING: CL600, FLANGE FACE DESIGN: LARGE TONGUE FACE, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	2
95580099	FLANGE,BLIND,6",CL600,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 6", CLASS/RATING: CL600, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	11
95610257	FLANGE,BLIND,6",CL900,RF,A350 LF2	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 6", CLASS/RATING: CL900, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A350 LF2, STANDARD: ASME B16.5	3
95380219	FLANGE,BLIND,8",CL150,LTF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 8", CLASS/RATING: CL150, FLANGE FACE DESIGN: LARGE TONGUE FACE, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	1
95380119	FLANGE,BLIND,8",CL150,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 8", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	23
95480129	FLANGE,BLIND,8",CL300,RF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 8", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	37
95580139	FLANGE,BLIND,8",CL600,LGF,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 8", CLASS/RATING: CL600, FLANGE FACE DESIGN: LARGE GROOVE FACE, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	1
95580759	FLANGE,BLIND,8",CL600,RTJ,A105N	FLANGE, TYPE: BLIND, NOMINAL DIAMETER: 8", CLASS/RATING: CL600, FLANGE FACE DESIGN: RING TYPE JOINT FACE, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	16
95580779	FLANGE,BLIND:12",CL600,RTJ,ASTM A105	FLANGE, TYPE:BLIND, JOINT TYPE: RING TYPE JOINT, NOMINAL DIAMETER: 12", RATING: CLASS 600, MATERIAL: CARBON STEEL-ASTM A105, STANDARD: ASME B16.5	5
88240053	FLANGE,CAMPANION,34MM,871MM,731MM,E1108	FLANGE, TYPE: CAMPANION, MATERIAL: CARBON STEEL, THICKNESS: 34MM, OUTSIDE DIAMETER: 871MM, INSIDE DIAMETER: 731MM, BOLT CIRCLE DIAMETER: 829MM, BOLT HOLE DIAMETER: 21MM, BOLT HOLE QUANTITY: 32, ADD. INFO. 1: FOR E1108	1
88150043	FLANGE,COMPANION,34MM,740MM,592MM,E1424	FLANGE, TYPE: COMPANION, THICKNESS: 34MM, OUTSIDE DIAMETER: 740MM, INSIDE DIAMETER: 592MM, BOLT CIRCLE DIAMETER: 698MM, BOLT HOLE DIAMETER: 21MM, BOLT HOLE QUANTITY: 32, ADD. INFO. 1: FOR E1424	1
88010103	FLANGE,COMPANION,CARBON STEEL,FOR E1422	FLANGE, TYPE: COMPANION, MATERIAL: CARBON STEEL, ADD. INFO. 1: FOR E1422, ADD. INFO. 2: DRAWING ATTACHED	1
88415013	FLANGE,COMPANION,CARBON STEEL,FOR E1501	FLANGE, TYPE: COMPANION, MATERIAL: CARBON STEEL, ADD. INFO. 1: FOR E1501	1
95540309	FLANGE,RED SLIP-ON,4" X 3",CL150,SLIP ON	FLANGE, TYPE: REDUCING SLIP-ON, NOMINAL DIAMETER: 4" X 3", CLASS/RATING: CL150, END CONNECTION TYPE: SLIP ON, MATERIAL: CUNI 90/10 UNS NO.C7060X, STANDARD: EEMUA 146 OR EQ,	2
95349049	FLANGE,SLIP ON,1 1/2",CL150,FF,CU/NI	FLANGE, TYPE: SLIP ON, NOMINAL DIAMETER: 1 1/2", CLASS/RATING: CL150, FLANGE FACE DESIGN: FF, MATERIAL: CUPRONICKEL (CUNI), STANDARD: ASME B16.5	4

95340119	FLANGE,SLIP ON,8",CL150,RF,A105N	FLANGE, TYPE: SLIP ON, NOMINAL DIAMETER: 8", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	2
95420049	FLANGE,SW,1",CL300,RF,S80,A105N	FLANGE, TYPE: SOCKET WELD, NOMINAL DIAMETER: 1", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, SCHEDULE: S-80, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	7
95420029	FLANGE,SW,1/2",CL300,RF,S80,A105N	FLANGE, TYPE: SOCKET WELD, NOMINAL DIAMETER: 1/2", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, SCHEDULE: S-80, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	15
95422029	FLANGE,SW,1/2",CL600,LFF,SCH160,A105N	FLANGE, TYPE: SW, NOMINAL DIAMETER: 1/2", CLASS/RATING: CL600, FLANGE FACE DESIGN: LFF-LARGE FEMALE FACE, SCHEDULE: 160, MATERIAL: CARBON STEEL, MATERIAL STANDARD: ASTM A105N, STANDARD: ASME B16.5	2
95520029	FLANGE,SW,1/2",CL600,RF,80,A105N	FLANGE, TYPE: SOCKET WELD, NOMINAL DIAMETER: 1/2", CLASS/RATING: CL600, FLANGE FACE DESIGN: RF, SCHEDULE: S-80, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	3
95320239	FLANGE,SW,3/4",CL300,RF,S-80,A105 GR.1	FLANGE,PIPE, TYPE: SOCKET WELD, NOMINAL DIAMETER: 3/4", RATING: CLASS 300, FLANGE FACE DESIGN: RF, SCHEDULE: S-80, MATERIAL STANDARD: ASTM A105 GR.1, STANDARD: ASME B16.5,	106
95420549	FLANGE,SW,3/4",CL600,RTJ,XS,A105N	FLANGE, TYPE: SOCKET WELD, NOMINAL DIAMETER: 3/4", CLASS/RATING: CL600, FLANGE FACE DESIGN: RING TYPE JOINT FACE, SCHEDULE: S-XS, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	1
95307038	FLANGE,WN RTJ,4",600LBS,SCH.80,CS,A 105	FLANGE, TYPE: RTJ, NOMINAL DIAMETER: 4", CLASS/RATING: 600LBS, END CONNECTION TYPE: WELDING NECK, FLANGE FACE DESIGN: RTJ, SCHEDULE: SCH.80, MATERIAL: CARBON STEEL, MATERIAL STANDARD: ASTM A 105, STANDARD: ASME B16.25/ASME B16.5, ADD. INFO.1: UHDE CODE-FW127A, ADD. INFO.2: WITH MATERIAL TEST CERTIFICATES	3
95402289	FLANGE,WN,1",CL300,RF,S80,A350 LF2	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 1", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, SCHEDULE: S-80, MATERIAL: CS, ASTM A350 LF2, STANDARD: ASME B16.5	1
95302449	FLANGE,WN,10",CL150,RF,S20,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 10", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, SCHEDULE: S-20, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	1
95302439	FLANGE,WN,10",CL150,RF,S20,A350 LF2	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 10", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, SCHEDULE: S-20, MATERIAL: CS, ASTM A350 LF2, STANDARD: ASME B16.5	1
95400139	FLANGE,WN,10",CL300,RF,S40,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 10", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, SCHEDULE: S-40, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	7
95502199	FLANGE,WN,10",CL600,RTJ,S80,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 10", CLASS/RATING: CL600, FLANGE FACE DESIGN: RING TYPE JOINT FACE, SCHEDULE: S-80, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	8
95300459	FLANGE,WN,12",CL150,RF,XS,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 12", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, SCHEDULE: XS THICKNESS :12.7MM MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	3
95502159	FLANGE,WN,12",CL600,LFF,S60,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 12", CLASS/RATING: CL600, FLANGE FACE DESIGN: LARGE FEMALE FACE, SCHEDULE: S-60, MATERIAL: CARBON STEEL, MATERIAL STANDARD: ASTM A105N, STANDARD: ASME B16.5	1
95404353	FLANGE,WN,12",CL600,SCH80,RF,A182GR.F11	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 12", CLASS/RATING: CL600, FLANGE FACE DESIGN: RF, SCHEDULE: 80, MATERIAL: ALLOY STEEL, MATERIAL STANDARD: ASTM A182 GR.F11, STANDARD: ASME B16.5, ADD. INFO.1: PIPING SPECIFICATION	2
95300199	FLANGE,WN,14",CL150,RF,S40,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 14", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, SCHEDULE: S-40, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	2
95502109	FLANGE,WN,16",CL600,LFF,S60,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 16", RATING: CLASS 600, FLANGE FACE DESIGN: LARGE FEMALE FACE, SCHEDULE: S-60, MATERIAL: CARBON STEEL, MATERIAL STANDARD: ASTM A105N, STANDARD: ASME B16.5, MATERIAL TEST CERTIFICATES REQUIRED	1
95501139	FLANGE,WN,16",CL600,RTJ,S80,A105N	FLANGE TYPE: WELD NECK NOMINAL DIAMETER: 16" CLASS/RATING: CL600 FLANGE FACE DESIGN: RTJ SCHEDULE: S-80 MATERIAL: CS ,ASTM A105N STANDARD: ASME B16.5	5
95401089	FLANGE,WN,2 1/2",CL300,LGF,S40,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 2 1/2", CLASS/RATING: CL300, FLANGE FACE DESIGN: LARGE GROOVE FACE, SCHEDULE: S-40, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	1
95400589	FLANGE,WN,2 1/2",CL300,LTF,S40,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 2 1/2", CLASS/RATING: CL300, FLANGE FACE DESIGN: LARGE TONGUE FACE, SCHEDULE: S-40, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	1
95300079	FLANGE,WN,2",CL150,RF,40,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 2", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, SCHEDULE: S-40, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	82
95300879	FLANGE,WN,2",CL150,RF,S160,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 2", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, SCHEDULE: S-160, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	7
95406139	FLANGE,WN,2",CL300,RF,40S,A182 F304L	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 2", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, SCHEDULE: S-40S, MATERIAL: SS, ASTM A182 F304L, STANDARD: ASME B16.5	2
95408029	FLANGE,WN,2",CL300,RF,80S,A182 F316L	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 2", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, SCHEDULE: S-80S, MATERIAL: SS, ASTM A182 F316L, STANDARD: ASME B16.5	2
95400039	FLANGE,WN,2",CL300,RF,S40,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 2", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, SCHEDULE: S-40, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	17
95501059	FLANGE,WN,2",CL600,RTJ,S80,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 2", CLASS/RATING: CL600, FLANGE FACE DESIGN: RING TYPE JOINT FACE, SCHEDULE: S-80, MATERIAL: CS ASTM A105N, STANDARD: ASME B16.5	4
95300999	FLANGE,WN,20",CL150,RF,S10,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 20", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, SCHEDULE: S-10, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	1
95300319	FLANGE,WN,20",CL150,RF,S40,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 20", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, SCHEDULE: S-40, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	1
95501659	FLANGE,WN,24",CL600,LMF,S60,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 24", CLASS/RATING: CL600, FLANGE FACE DESIGN: LARGE MALE FACE, SCHEDULE: S-60, MATERIAL: CARBON STEEL, MATERIAL STANDARD: ASTM A105N, STANDARD: ASME B16.5	1
95502039	FLANGE,WN,3",CL600,LFF,S80,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 3", CLASS/RATING: CL600, FLANGE FACE DESIGN: LARGE FEMALE FACE, SCHEDULE: S-80, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	2
95503049	FLANGE,WN,3",CL600,LMF,S80,A350 LF2	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 3", CLASS/RATING: CL600, FLANGE FACE DESIGN: LARGE MALE FACE, SCHEDULE: S-80, MATERIAL: CS ,ASTM A350 LF2, STANDARD: ASME B16.5	3
95501069	FLANGE,WN,3",CL600,RTJ,S80,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 3", CLASS/RATING: CL600, FLANGE FACE DESIGN: RING TYPE JOINT FACE, SCHEDULE: S-80, MATERIAL: CS ,ASTM A105N, STANDARD: ASME B16.5	5
95400559	FLANGE,WN,3/4",CL300,RF,S40,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 3/4", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, SCHEDULE: S-40, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	4
95306099	FLANGE,WN,4",CL150,RF,40S,A182 F304L	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 4", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, SCHEDULE: S-40S, MATERIAL: SS, ASTM A182 F304L, STANDARD: ASME B16.5	2
95301389	FLANGE,WN,4",CL150,RF,S120,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 4", CLASS/RATING: CLASS 150, FLANGE FACE DESIGN: RF, SCHEDULE: S-120 THICKNESS :11.2 MM MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	1
95400309	FLANGE,WN,4",CL300,RF,S40,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 4", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, SCHEDULE: S-40, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	3
95502049	FLANGE,WN,4",CL600,LFF,S80,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 4", CLASS/RATING: CL600, FLANGE FACE DESIGN: LARGE FEMALE FACE, SCHEDULE: S-80, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	1
95400329	FLANGE,WN,6",CL300,RF,S40,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 6", CLASS/RATING: CL300, FLANGE FACE DESIGN: RF, SCHEDULE: S-40, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	1
95501539	FLANGE,WN,6",CL600,LMF,S80,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 6", CLASS/RATING: CL600, FLANGE FACE DESIGN: LARGE MALE FACE, SCHEDULE: S-80, MATERIAL: CS ,ASTM A105N, STANDARD: ASME B16.5	1
95300249	FLANGE,WN,8",CL150,RF,S20,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 8", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, SCHEDULE: S-20, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	3
95304109	FLANGE,WN,8",CL150,RF,S80,A350 LF2	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 8", CLASS/RATING: CL150, FLANGE FACE DESIGN: RF, SCHEDULE: S-80, MATERIAL: CS, ASTM A350 LF2, STANDARD: ASME B16.5	1
95502189	FLANGE,WN,8",CL600,RTJ,S80,A105N	FLANGE, TYPE: WELD NECK, NOMINAL DIAMETER: 8", CLASS/RATING: CL600, FLANGE FACE DESIGN: RING TYPE JOINT FACE, SCHEDULE: S-80, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.5	2

95324018	FLANGE,WNRF,14",300LBS,347H,F-C565A,	FLANGE, TYPE: WNRF, NOMINAL DIAMETER: 14", CLASS/RATING: 300LBS, SCHEDULE: 30 (9.53MM), END CONNECTION TYPE: WELD NECK, FLANGE FACE DESIGN: RAISED FACE, MATERIAL: STAINLESS STEEL, MATERIAL STANDARD: ASTM A 182, GR. F 347H, STANDARD: ASME B16.5, ADD. INFO.1: UHDE CODE F-C 565A, ADD. INFO.2: LINE_140106,XX140001 CERTIFICATES: EN 10204-3.1B FOR MATERIALS AND TESTING. ALL MATERIAL SHALL BE SUPPLIED WITH VALID TEST CERTIFICATES.	2
95300169	FLANGE:18",CL150,WN,RF,SCH20,A105	FLANGE,PIPE: TYPE: WELDING NECK, SIZE: 18" RATING: CLASS 150, END FINISH: RAISED FACE, WALL THICKNESS: SCHEDULE 20, MATERIAL: ASTM A105, STANDARD: ASME B16.5, MATERIAL TEST CERTIFICATE REQUIRED	1
95408009	FLANGE:2",CL150,WN,RF,S10,A182 F316L,	FLANGE,PIPE: TYPE: WELD NECK, NOMINAL DIAMETER: 2", RATING: CLASS 150, FLANGE FACE TYPE: RAISED FACE, WALL THICK: SCHEDULE 10, MATERIAL: ASTM A182 F316L, STANDARD: ASME B16.5,	1
95308239	FLANGE:8",WN,CL150,RF,S10S,F316L	FLANGE,PIPE: NOMINAL DIA: 8", TYPE: WELDING NECK, RATING: CLASS 150, WALL THICK: SCHEDULE 10S, FACE TYPE: RAISED FACE, MATERIAL: STAINLESS STEELASTM-A182 F316L, STANDARD: ASME B16.5, CERTIFICATE: MTC IS REQUIRED,	1
96809012	FLANGE;STUB END,1",CL150,SMLS,BW,CUNI	FLANGE;STUB END SIZE : 1" TYPE : STUB END (125-250 RA-FN LONG PATTERN) CLASS : 150 THICKNESS : 2.5MM STUB END MATERIAL : CUNI 90/10 STANDARD : EEMUA 145 OR EQU FLANGE MATERIAL : ASTM A105 STANDARD : ASME B16.5	5
96809022	FLANGE;STUB END,2",CL150,SMLS,BW,CUNI	FLANGE;STUB END SIZE : 2" TYPE : STUB END (125-250 RA-FN LONG PATTERN CLASS : 150 THICKNESS : 2.5 MM STUB END MATERIAL : CUNI 90/10 STANDARD : EEMUA 145 OR EQU FLANGE MATERIAL : ASTM A105 STANDARD : ASME B16.5	4
96809002	FLANGE;STUB END,3/4",CL150,SMLS,BW,CUNI	FLANGE;STUB END SIZE : 3/4" TYPE : STUB END (125-250 RA-FN LONG PATTERN) CLASS : 150 THICKNESS : 2MM STUB MATERIAL : CUNI 90/10 STANDARD : EEMUA 145 OR EQU FLANGE MATERIAL : ASTM A105 STANDARD : ASME B16.5	7
96558019	NIPPLE, 1/4",CL3000,NPT,A182 F316L	NIPPLE, NOMINAL DIAMETER: 1/4", CLASS/RATING: CL3000, END CONNECTION TYPE: NPT, MATERIAL: SS, ASTM A182 F316L, STANDARD: ASME B16.11, ADD. INFO. 1: HEXAGONAL	7
96550239	NIPPLE,1",CL3000,NPT,A105N	NIPPLE, NOMINAL DIAMETER: 1", CLASS/RATING: CL3000, END CONNECTION TYPE: NPT, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11, ADD. INFO. 1: HEXAGONAL	1
96591079	NIPPLE,3/4",SMLS,TOE,S-80,A333 GR 6	NIPPLE, NOMINAL DIAMETER: 3/4", CONSTRUCTION: SMLS, END CONNECTION TYPE: TOE, SCHEDULE: S-80, MATERIAL: ASTM A333 GR 6, STANDARD: ASME B36.10M	39
96590079	NIPPLE,PIPE:3/4",SMLS,TOE,S80,A106 GR B	NIPPLE,PIPE: NOMINAL DIAMETER: 3/4", CONSTRUCTION: SEAMLESS, END CONNECTION TYPE: TOE, WALL THICKNESS: SCHEDULE 80, MATERIAL: ASTM A106 GR B, STANDARD: ASME B36.10M (PIPE)	73
76250263	OIL GUN ASSEMBLY,BURNER A,B&C ,Y2301F1	OIL GUN ASSEMBLY, FOR BURNER A,B<(>&<)>C EQUIPMENT : Y2301 F1 MFR NAME: ITAS, DRAWING ID/NO.: H.10.184 REV0, ADD. INFO.1: USED FOR BURNER A,B<(>&<)>C,Y2301F1,	3
96770029	PLUG,HEX HEAD,3/8",CL3000,NPT,A105N	PLUG, TYPE: HEXAGON HEAD, NOMINAL DIAMETER: 3/8", CLASS/RATING: CL3000, END CONNECTION TYPE: NPT, MATERIAL: ASTM A105N, STANDARD: ASME B16.11	2
87360288	RED NOZZLE,26"X16",PTFE LINED,VE600005	PIPING FITTING, PART NAME: PTFE LINED CS REDUCING NOZZLE, NOMINAL DIAMETER: LARGE FLANGE NPS 26"; SMALL FLANGE NPS16", CLASS/RATING: 150LBS, END CONNECTION TYPE: FLANGE; RF; ASME B16.5 (UPTO 24" NPS) / B16.47-B (ABOVE 24" NPS), STANDARD: TECHNICAL DELIVERY CONDITION - ASME B16.5; ASME B16.47; B36.10, MATERIAL STANDARD: FLANGE - ASTM A105; PIPE - ASTM A53 GR.B OR API 5L; LINER - PTFE/PFA, DRAWING ID/NO.: WX600615, MFR NAME: BAUM KUNSTSTOFFE GMBH, CERTIFICATION: EN10204-3.1B FOR MATERIAL AND TESTS; EN10204-2.1 FOR LINING MAT, ASSET NO.: VE600005, ADD. INFO.1: LENGTH 275 MM, ADD. INFO.2: ACC. TO ASME B16.5 AND THE DRAWING FOR QVC SPECIAL PART TAG NO- WX600615	1
14820848	REDUCER,1"NPTM,3/4"NPTF,GE,324A9072P001	REDUCER, FIRST END NOMINAL DIAMETER:1"NPTM, SECOND END NOMINAL DIAMETER:3/4"NPTF, MFR NAME:GE, MFR ID/NO./ P/NO.:324A9072P001 FOR GAS TURBINE;CROSS REF:XX990001A,XX990001B,XX990001C,XX990001D	2
96207102	REDUCER,CON,1"X3/4",BW,SMLS,CUNI 90/10	REDUCER TYPE : CONCENTRIC SIZE : 1" X 3/4" CONSTRUCTION : SMLS END CONNECTION TYPE : BW THICKNESS : 2MM MATERIAL : CUNI 90/10 STANDARD : EEMUA 146 OR EQ	10
96200959	REDUCER,CON,12",10",SMLS,BW,30,A234 WPB	REDUCER, TYPE: CONCENTRIC, FIRST END NOMINAL DIAMETER: 12", SECOND END NOMINAL DIAMETER: 10", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-30, MATERIAL: CS, ASTM A234 WPB, STANDARD: ASME B16.9	1
96200509	REDUCER,CON,4",2",SMLS,40,A234 WPB	REDUCER, TYPE: CONCENTRIC, FIRST END NOMINAL DIAMETER: 4", SECOND END NOMINAL DIAMETER: 2", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-40, MATERIAL: CS, ASTM A234 WPB, STANDARD: ASME B16.9	5
96210609	REDUCER,ECC,10",8",S20,A234 WPB	REDUCER, TYPE: ECCENTRIC, FIRST END NOMINAL DIAMETER: 10", SECOND END NOMINAL DIAMETER: 8", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-20, MATERIAL: CS, ASTM A234 WPB, STANDARD: ASME B16.9	1
96274048	REDUCER,ECC,2" X 1",PTFE LINED,EXC253A	REDUCER, TYPE: ECCENTRIC, FIRST END NOMINAL DIAMETER: 2", SECOND END NOMINAL DIAMETER: 1", CLASS/RATING: 150LBS, CONSTRUCTION: SMLS,PTFE LINED, END CONNECTION TYPE: FIXED FLANGES, MATERIAL: CS, PTFE LINED, MATERIAL STANDARD: REDUCER- ASTM A234;GR WPB; FLANGE- ASTM A105, STANDARD: ASME B16.5 & ASME B16.9, MFR NAME: BAUM KUNSTSTOFFE GMBH, ADD. INFO.1: UHDE CODE-EXC253A LINING-PTFE/PFA; TECH DELIVERY-ASTM F423; CERTIFICATES-EN10204-3.1B FOR STEEL PARTS; MATERIALS AND TESTS- EN10204-2.1 FOR LINING MAT ERIALS	1
96210789	REDUCER,ECC,20",12",S10XS20,A234 WPB	REDUCER, TYPE: ECCENTRIC, FIRST END NOMINAL DIAMETER: 20", SECOND END NOMINAL DIAMETER: 12", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-10 X S-20, MATERIAL: CS, ASTM A234 WPB, STANDARD: ASME B16.9	2
96280409	REDUCER,ECC,6",4",SMLS,S40,CS CEMENTED	REDUCER, TYPE: ECCENTRIC, FIRST END NOMINAL DIAMETER: 6", SECOND END NOMINAL DIAMETER: 4", END CONNECTION TYPE: PUP PIPE WELD ON END FOR SLEEVE JOINT, SCHEDULE: 40, MATERIAL: CS CEMENTED, WALL THICKNESS: ASTM A234WPB-INT.CEMENT LINING, CEMENT LINING STANDARD: AWWA C205, STANDARD: ASME B16.9 ADD. INFO.1: 4"-SWS-40-304010-D10	6
78475823	RUPTURE DISC,12",150LBS,RD2435103	RUPTURE DISC, NOMINAL DIAMETER: 12", CLASS/RATING: 150LBS, BURST PRESSURE 1: 1.86BARG TO 2.14BARG AT 72 DEG F, DISC MATERIAL: 316SS/TEFLON, TYPE: DRV(L), MFR NAME: BS<(>&<)>B, DRAWING POSITION: 1, DRAWING ID NO.: X2722806 REV.2, HOLDER TYPE: FA7R, FLUID: HYDROCARBON VAPOR, SEAL MATERIAL: 316SS, QAPCO ASSET NO.: RD2435103 ON D24303 STAGE 3, ADD. INFO. 1: LOT NO. 123700172, ADD. INFO. 2: DATA SHEET NO. F040953 REV.1, ADD. INFO. 3: MAX. OPERATING PRESSURE 1.55BARG AT 250 DEG C	1
78475833	RUPTURE DISC,16",150LBS, RD2435102/205	RUPTURE DISC: DISC SIZE: 16", RATING: 150LBS, DISC MATERIAL: 316 SS/TEFLON, DISC SEAL MATERIAL: 316 SS, VACUUM SUPPORT MATERIAL: 316 SS, ATMOSPHERIC RING: 316 SS, MAX OPR. PRESS/TEMP: 1.55 BARG / 250 DEG C, MIN-MAX RATING PRESS @ 72 DEG F: 1.58 - 1.86 BARG, MANUFACTURE RANGE: 0% RANGE (1.72 @ 72°F) 1.72 BARG @ 72°F), NOMINAL BURST PRESSURE: 1.72 BARG @ 72°F, BURST TOLERANCE: +/- 0.138 BARG, FLOWING TEMPERATURE: 225 DEG C, MANUFACTURER: BS<(>&<)>B, MODEL: DRV, FLUID: HYDROCARBON VAPOR, SAFETY HEAD ASSEMBLY NO: FA-7R, SAFETY HEAD BASE MATERIAL: CARBON STEEL, TAG NO: RD2435102 ON D24303 STAGE 5 <(>&<)> RD2435205 ON D24303 STAGE 4, EQUIPMENT NUMBER: D24303, DATA SHEET NO: F-040953 REV. 1 DATED: 24.06.2009, PREVIOUS LOT NO: 12390022-1	1
77021316	RUPTURE DISC:2",150LBS,PSE810201/2/3/4	RUPTURE DISC: NOMINAL DIAMETER: 2", RATING: CLASS 150, BURST PRESSURE: 6 BARG AT 100 DEG. C, DISC MATERIAL: MONEL316, MODEL: STD-V (LL), MFR NAME: CONTINENTAL DISC CORPORATION, MFG NO:8156379A TOL: -8.8%/ +15.33% HOLDER 71 ADD INFO:- DRAWING POSITION: 427, DRAWING ID NO.: 6947347 SHT.106, MFG NO: (OLD)804802A, QAPCO TAG NO:PSE810201/PSE810202/ PSE810203/ PSE810204/ PSE810901/ PSE810902/ PSE810903/ PSE810904/ PSE810905/ PSE810906/ PSE810907	2
77021216	RUPTURE DISC:2",150LBS,PSE810905/06/07	RUPTURE DISC: NOMINAL DIAMETER: 2", RATING: CLASS 150, BURST PRESSURE 1: 6.67 BAR @ 22 DEG.C, BURST PRESSURE 2: 6 BAR @ 100 DEG.C, DISC MATERIAL: ALY 400/316, TYPE: STD-V (LL), MFR NAME: CONTINENTAL DISC CORPORATION, MFG NO: 8249564A, QAPCO ASSET NO.: PSE810905, PSE810906, PSE810907, ADD. INFO. 1: LOT NO. 302628,	1
77020116	RUPTURE DISC:4",CL150,7.55 Bar @ 22°C	RUPTURE DISC: NOMINAL DIAMETER: 4", RATING: CLASS 150LBS, FLANGE FACE DESIGN: FF, RUPTURE PRESSURE SPEC: 7.55 BARS AT 22 DEG.C, RUPTURE PRESSURE EST: 7.32 BARS AT 58 DEG.C, MATERIAL: INCONEL-INCONEL, MANUFACTURER: LAMOT CORPORATION, LAMOT SPEC: MFG SERIAL NO: 8681301, TYPE STD V(LL), LAMOT MFG NO: 8357464A (PO7000009392), QAPCO ASSET NO.: PSE810205 AND PSE810206,	1

77000034	RUPTURE DISC:4",CL300,LG,20.5 BAR,FIKE	RUPTURE DISC: NOMINAL DIAMETER: 4", RATING: CLASS 300, FLANGE FACE DESIGN: LG, MATERIAL: SS 316 BURST PRESSURE: 20.5 BARG @ 22 DEG C, TOL: +/- 10% TYPE: P BT, MFR NAME: FIKE, REORDER BY LOT NO: 0549670,1668652, S4M INSERT, TYPE "G"ES, QAPCO ASSET NO.:PSE57009,PSE57010,PSE57054,PSE57062, PSE57161,PSE57201,PSE57214,	3
77020216	RUPTURE DISC:4",CL300,PSE810401/2	RUPTURE DISC, NOMINAL DIAMETER: 4", CLASS/RATING: 300LBS, FLANGE FACE DESIGN: FF, BURST PRESSURE: 35 BARG @234 DEGREE C, DISC MATERIAL: INCONEL, MODEL: S90, MFR NAME: BS <(>&<)> B, FLUID: STEAM, PREVIOUS LOT NO: A 13913571, QAPCO ASSET NO: PSE810401 AND PSE810402,	3
77020816	RUPTURE DISC:6",CL300,PSE810406	RUPTURE DISC: NOMINAL DIAMETER: 6", CLASS/RATING: 300LBS, FLANGE FACE DESIGN: FF, BURST PRESSURE: 41 BARG @199 DEGREE C, DISC MATERIAL: INCONEL, TYPE: FA7R/BV, MFR NAME: BS <(>&<)> B, FLUID: WATER, QAPCO ASSET NO: PSE810406, PREVIOUS LOT NO: 97391186-1, SPECIFICATION/STANDARD DATA: 00SAE50031 SH.28,	2
77020916	RUPTURE DISC:6",CL600,PSE810408/9	RUPTURE DISC, NOMINAL DIAMETER: 6", CLASS/RATING: 600LBS, FLANGE FACE DESIGN: RJ, BURST PRESSURE: 43 BARG @183 DEGREE C, DISC MATERIAL: INCONEL, MODEL: FA7R/BV, MFR NAME: BS <(>&<)> B, FLUID: WATER, PREVIOUS LOT NO: 956619499, QAPCO ASSET NO: PSE810408 AND PSE810409, HOLDER MATERIAL: 316SS	2
86230018	SIGHT GLASS,1 1/2"X150, A351,VFC423A	GLASS/LEVEL, PART NAME: SIGHT GLASS, SIZE: 1 1/2", MATERIAL: GLASS PLATE-BOROSILICATE, CLASS/RATING: 150LBS, FACE TO FACE LENGTH: 200MM, ASSET NO.: VFC423A, BODY MATERIAL: A351 GR.CF8M OR A182 GR.F316 STANDARD: FLANGED ASME B16.5,ASME B 16.34, ADD. INFO.1: ASME B 16.34 WITH FLOW INDICATOR INSTALLED	1
95057039	SLEEVE JOINT,4",API 5L-B/ASTM A283 GR.C	SLEEVE JOINT, NOMINAL DIAMETER: 4", MATERIAL: CARBON STEEL, MATERIAL STANDARD: API 5L-B OR ASTM A283 GR C, ADD. INFO.2: SEA WATER SERVICE	22
95057049	SLEEVE JOINT,6",API 5L-B/ASTM A283 GR.C	SLEEVE JOINT, NOMINAL DIAMETER: 6", MATERIAL: CARBON STEEL, MATERIAL STANDARD: API 5L-B OR ASTM A283 GR C, ADD. INFO.2: SEA WATER SERVICE	26
88895123	SLIDE BLIND ASSEMBLY+HANDLE,6",R40302	SLIDE BLIND ASSEMBLY + HANDLE, NOMINAL DIAMETER: 6", CLASS/RATING: 300LBS, OUTSIDE DIAMETER: 168.3MM, INSIDE DIAMETER: 146.3MM, USED FOR: R40302, ADD. INFO. 1: SPOOL LENGTH. 295MM	1
88895313	SLIDE BLIND ASSEMBLY+HANDLE,6",R41302	SLIDE BLIND ASSEMBLY + HANDLE, NOMINAL DIAMETER: 6", CLASS/RATING: 300LBS, OUTSIDE DIAMETER: 168.3MM, INSIDE DIAMETER: 152.4MM, USED FOR: R41302, ADD. INFO. 1: SPOOL LENGTH. 283MM	1
88895213	SLIDE BLIND ASSEMBLY+HANDLE,8",R41301	BLIND, TYPE: SLIDE BLIND ASSEMBLY + HANDLE, NOMINAL DIAMETER: 8", CLASS/RATING: 300LBS, OUTSIDE DIAMETER: 219.1MM, INSIDE DIAMETER: 203.2MM, USED FOR: R41301, ADD. INFO. 1: SPOOL LENGTH. 283MM	2
95801158	SPACER,10",150LBS,15MMTHK,PTFE,DD215A	SPACER, TYPE: FULL PTFE, NOMINAL DIAMETER: 10", CLASS/RATING: 150LBS, MATERIAL: PTFE/PFA, THICKNESS: 15MM, STANDARD: MFR.STD, MFR NAME: BAUM KUNSTSTOFFE GMBH, CERTIFICATION: EN10204-2.1, ADD. INFO.1: UHDE CODE-DD215A	1
95801138	SPACER,6"150LBS,15MMTHK,FULL PTFE,DD215A	SPACER, TYPE: FULL PTFE, NOMINAL DIAMETER: 6", CLASS/RATING: 150LBS, MATERIAL: PTFE/PFA, THICKNESS: 15MM, STANDARD: MFR.STD, MFR NAME: BAUM KUNSTSTOFFE GMBH, CERTIFICATION: EN10204-2.1, ADD. INFO.1: UHDE CODE-DD215A	6
95801148	SPACER,8"150LBS,15MMTHK,FULL PTFE,DD215A	SPACER, TYPE: FULL PTFE, NOMINAL DIAMETER: 8", CLASS/RATING: 150LBS, MATERIAL: PTFE/PFA, THICKNESS: 15MM, STANDARD: MFR.STD, MFR NAME: BAUM KUNSTSTOFFE GMBH, CERTIFICATION: EN10204-2.1, ADD. INFO.1: UHDE CODE-DD215A	1
95210018	SPOOL,1" X 3/4",SW,150LBS,100 MM LG	SPOOL, FIRST END CONNECTION TYPE: SOCKET WELD , RF FLANGE, FIRST END SIZE: 1" x 3/4" REDUCING FLANGE, 150LBS, SECOND END CONNECTION TYPE: SOCKET WELD FLANGE, SECOND END SIZE: 3/4",150LBS, OVERALL LENGTH: (MIN FLANGE TO FLANGE DISTANCE IS 100MM), MATERIAL: FLANGE- CARBON STEEL,A105, TEST TYPE: SPOOL SHALL BE HYDROTESTED AS PER THE MAXIMUM FLANGE RATING, TEST DATA DOCUMENT: SPOOL SHALL BE SUPPLIED ALONG WITH MATERIAL AND PRESSURE TEST CERTIFICATES, ADD. INFO.1: PIPE TYPE SEAMLESS, ADD. INFO.2: SPOOLS SHALL BE PAINTED AS PER QVC PAINTING SPEC.D1	1
87130018	SPOOL,3"X2",GWW VENT DIVERSION,TA170003	UTILITY SPOOL FOR GWW VENT DIVERSION, FIRST END CONNECTION TYPE: WNRF FLANGE, ASTM A 105, FIRST END SIZE: 3", FIRST END CLASS/RATING: 150LBS, SECOND END CONNECTION TYPE: WNRF FLANGE, ASTM A 105, SECOND END SIZE: 2", SECOND END CLASS/RATING: 150LBS, STANDARD: ASME B16.5, ASME B16.9, REDUCER TYPE: ECCENTRIC,BUTT WELD ENDS, SEAMLESS, REDUCER SIZE: 3"X2", REDUCER MATERIAL: ASTM A 234 GR.WPB, SCHEDULE: STD, TEST TYPE: SPOOL SHALL BE HYDROTESTED AS PER THE MAXIMUM FLANGE RATING, TEST DATA DOCUMENT: SPOOL SHALL BE SUPPLIED ALONG WITH MATERIAL AND PRESSURE TEST CERTIFICATES, USED FOR: GWW VENT DIVERSION, ASSET NO.: TA170003, ADD. INFO.1: ELBOW SHALL BE 45 DEG, SEAMLESS, MATERIAL ASTM A 234 WPB, ADD. INFO.2: SPOOLS SHALL BE PAINTED AS PER QVC PAINTING SPEC.D1. DRAWING ATTACHED	2
87140018	SPOOL,6"X2",GWW VENT DIVERSION,TA170001A	UTILITY SPOOL FOR GWW VENT DIVERSION, FIRST END CONNECTION TYPE: RF FLANGE, ASTM A 105, FIRST END SIZE: 6", FIRST END CLASS/RATING: 150LBS, SECOND END CONNECTION TYPE: WNRF FLANGE, ASTM A 105, SECOND END SIZE: 2", SECOND END CLASS/RATING: 150LBS, STANDARD: ASME B16.5, ASME B16.9, REDUCER TYPE: BUTT WELD ENDS, SEAMLESS, REDUCER SIZE: 6"X2", REDUCER MATERIAL: ASTM A 234 GR.WPB, SCHEDULE: STD, TEST TYPE: SPOOL SHALL BE HYDROTESTED AS PER THE MAXIMUM FLANGE RATING, TEST DATA DOCUMENT: SPOOL SHALL BE SUPPLIED ALONG WITH MATERIAL AND PRESSURE TEST CERTIFICATE, USED FOR: GWW VENT DIVERSION, ASSET NO.: TA170001A, ADD. INFO.1: ELBOW SHALL BE 90 DEG, SEAMLESS, SCH STD, MATERIAL ASTM A 234 GR.WPB, ADD. INFO.2: SPOOL LENGTH - 120MM,SPOOLS SHALL BE PAINTED AS PER QVC PAINTING SPEC.D1	1
87140028	SPOOL,6"X2",GWW VENT DIVERSION,TA170001B	UTILITY SPOOL FOR GWW VENT DIVERSION, FIRST END CONNECTION TYPE: WNRF FLANGE, ASTM A 105, FIRST END SIZE: 6", FIRST END CLASS/RATING: 150LBS, SECOND END CONNECTION TYPE: WNRF FLANGE, ASTM A 105, SECOND END SIZE: 2", SECOND END CLASS/RATING: 150LBS, STANDARD: ASME B16.5, ASME B16.9, REDUCER TYPE: BUTT WELD ENDS, SEAMLESS, REDUCER SIZE: 6"X2", REDUCER MATERIAL: ASTM A 234 GR.WPB, SCHEDULE: STD, TEST TYPE: SPOOL SHALL BE HYDROTESTED AS PER THE MAXIMUM FLANGE RATING, TEST DATA DOCUMENT: SPOOL SHALL BE SUPPLIED ALONG WITH MATERIAL AND PRESSURE TEST CERTIFICATES, USED FOR: GWW VENT DIVERSION, ASSET NO.: TA170001B, ADD. INFO.1: ELBOW SHALL BE 90 DEG, SEAMLESS, SCH STD, MATERIAL ASTM A 234 GR.WPB, ADD. INFO.2: SPOOL LENGTH - 60MM,SPOOLS SHALL BE PAINTED AS PER QVC PAINTING SPEC.D1	1
87110018	SPOOL,8"X2",GWW VENT DIVERSION,TA170016	UTILITY SPOOL FOR GWW VENT DIVERSION AS PER ATTACHED DRAWING, FIRST END CONNECTION TYPE: WNRF FLANGE, ASTM A 105, FIRST END SIZE: 8", FIRST END CLASS/RATING: 150LBS , SECOND END CONNECTION TYPE: WNRF FLANGE, ASTM A 105, SECOND END SIZE: 2", SECOND END CLASS/RATING: 150LBS WNRF, STANDARD: ASME B16.5, ASME B16.9, REDUCER TYPE: CONCENTRIC,BUTT WELD ENDS, SEAMLESS, REDUCER MATERIAL: ASTM A 234 GR.WPB, SCHEDULE: STD, TEST TYPE: SPOOL SHALL BE HYDROTESTED AS PER THE MAXIMUM FLANGE RATING, TEST DATA DOCUMENT: SPOOL SHALL BE SUPPLIED ALONG WITH MATERIAL AND PRESSURE TEST CERTIFICATES AND WELDING QUALITY INSPECTION DOCUME NTS, USED FOR: GWW VENT DIVERSION, ASSET NO.: TA170016, ADD. INFO.1: ELBOW SHALL BE 90 DEG, SEAMLESS, SCH STD, MATERIAL ASTM A 234 WPB , ADD. INFO.2: SPOOLS SHALL BE PAINTED AS PER QVC PAINTING SPEC.D1	1
95250108	SPOOL,UTILITY,3"X2"X150LBS,LINE_661432	UTILITY SPOOL WITH MINIMUM LENGTH, FIRST END CONNECTION TYPE: WNRF FLANGE, ASTM A 105, FIRST END SIZE: 3", FIRST END CLASS/RATING: 150LBS, SECOND END CONNECTION TYPE: WNRF FLANGE, ASTM A 105, SECOND END SIZE: 2", SECOND END CLASS/RATING: 150LBS, STANDARD: ASME B16.5, ASME B16.9, REDUCER TYPE: CONCENTRIC,BUTT WELD ENDS, SEAMLESS, REDUCER SIZE: 3"X2", REDUCER MATERIAL: ASTM A 234 GR.WPB, SCHEDULE: STD, TEST TYPE: SPOOL SHALL BE HYDROTESTED AS PER THE MAXIMUM FLANGE RATING, TEST DATA DOCUMENT: SPOOL SHALL BE SUPPLIED ALONG WITH MATERIAL AND PRESSURE TEST CERTIFICATES, ASSET NO.: LINE_661432, ADD. INFO.1: PIPE TYPE SEAMLESS, ADD. INFO.2: SPOOLS SHALL BE PAINTED AS PER QVC PAINTING SPEC.D1 AND TOP COAT RAL - RAL 7035 (LIGHT GREY)	3
96806269	STUB END:3",BW,10S,A403WP304L	STUB END: SHORT LENGTH, SCHEDULE: 10S, NOMINAL DIAMETER: 3", MATERIAL: STAINLESS STEEL, MATERIAL STD.: ASTM A403 WP304L, DIMN.STD.: MSS SP-43, ENDS: BUTT WELD, FOR 3" NPS,	7

95053569	TEE,EQ,6",CEMENTED,STD,A234 GR.WPB,B16.9	TEE, TYPE: EQUAL, FIRST END NOMINAL DIAMETER: 6", CONSTRUCTION: SMLS CEMENTED, END CONNECTION TYPE: BW, SCHEDULE: S-STD, MATERIAL: CS, ASTM A234 GR.WPB, STANDARD: ASME B16.9, CEMENT LINING STANDARD: AWWA C205.	4
96120139	TEE,EQUAL,1 1/2",CL3000,SW,A105N	TEE, TYPE: EQUAL, FIRST END NOMINAL DIAMETER: 1 1/2", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	5
96123099	TEE,EQUAL,1",CL3000,SW,A350LF2	TEE, TYPE: EQUAL, FIRST END NOMINAL DIAMETER: 1", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: ASTM A350 LF2, STANDARD: ASME B16.11	1
96108069	TEE,EQUAL,1",SMLS,BW,40S,A403 WP316L	TEE, TYPE: EQUAL, FIRST END NOMINAL DIAMETER: 1", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-40S, MATERIAL: SS, ASTM A403 WP316L, STANDARD: ASME B16.9	4
28010239	TEE,EQUAL,10X10X10MM,BRASS,PARKER,JBMB10	TEE, TYPE: EQUAL, UNION, FIRST END NOMINAL DIAMETER: 10 MM, SECOND END NOMINAL DIAMETER: 10 MM, MATERIAL: BRASS, MFR NAME: PARKER, MFR P/N: JBMB10	50
96150229	TEE,EQUAL,2",CL3000,FNPT,A105N GALV	TEE, TYPE: EQUAL, FIRST END NOMINAL DIAMETER: 2", CLASS/RATING: CL3000, END CONNECTION TYPE: FNPT, MATERIAL: CS, ASTM A105N GALV., STANDARD: ASME B16.11	2
96100189	TEE,EQUAL,2",SMLS,BW,80,A234 WPB	TEE, TYPE: EQUAL, FIRST END NOMINAL DIAMETER: 2", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-80, MATERIAL: CS, ASTM A234 WPB, STANDARD: ASME B16.9	2
96100179	TEE,EQUAL,2",SMLS,BW,S-40,CS,A234	TEE, TYPE: EQUAL, FIRST END NOMINAL DIAMETER: 2", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-40, MATERIAL: CS, ASTM A234 WPB, STANDARD: ASME B16.9 TEE, PIPE: STRAIGHT TEE, TYPE: WELDING FITTING, SIZE: 2", SCHEDULE: 40, ENDS: BUTT WELD, MATERIAL: CARBON STEEL, MATERIAL STD: ASTM A234 WP B, DIMENSION STD: ASME B16.9	7
96103069	TEE,EQUAL,3",PE,2.5MM THK,CUNI 90/10	TEE, TYPE: EQUAL, FIRST END NOMINAL DIAMETER: 3", END CONNECTION TYPE: PE, MATERIAL: CUNI 90/10 UNS NO.C7060X, WALL THICKNESS: 2.5 MM, STANDARD: EEMUA 146 OR EQ, ADD. INFO.1: SEAMLESS	1
96100229	TEE,EQUAL,3",SMLS,BW,80,A234 WPB	TEE, TYPE: EQUAL, FIRST END NOMINAL DIAMETER: 3", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-80, MATERIAL: CS, ASTM A234 WPB, STANDARD: ASME B16.9	2
96121079	TEE,EQUAL,3/4",CL6000,SW,A105N	TEE, TYPE: EQUAL, FIRST END NOMINAL DIAMETER: 3/4", CLASS/RATING: CL6000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	23
96108029	TEE,EQUAL,3/4",SMLS,BW,5S,A403 WP316L	TEE, TYPE: EQUAL, FIRST END NOMINAL DIAMETER: 3/4", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-5S, MATERIAL: SS, ASTM A403 WP316L, STANDARD: ASME B16.9	2
28020339	TEE,PRESTOLOK,UNION,10X10MM,BRASS,PARKER	TEE, TYPE: PRESTOLOK, UNION, FIRST END NOMINAL DIAMETER: 10 MM, SECOND END NOMINAL DIAMETER: 10 MM, MATERIAL: BRASS, STANDARD: PARKER, MFR NAME: JBPB10	11
96130039	TEE,RED,1",3/4",CL3000,SW,A105N	TEE, TYPE: REDUCING, FIRST END NOMINAL DIAMETER: 1", SECOND END NOMINAL DIAMETER: 3/4", CLASS/RATING: CL3000, END CONNECTION TYPE: SW, MATERIAL: CS, ASTM A105N, STANDARD: ASME B16.11	1
96116119	TEE,RED,1",3/4",SMLS,BW,40S,A403 WP304L	TEE, TYPE: REDUCING, FIRST END NOMINAL DIAMETER: 1", SECOND END NOMINAL DIAMETER: 3/4", CONSTRUCTION: SMLS, END CONNECTION TYPE: BW, SCHEDULE: S-40S, MATERIAL: SS, ASTM A403 WP304L, STANDARD: ASME B16.9	4
95053149	TEE,RED,6",4",CEMENTED,STD,A234 GR.WPB	TEE, TYPE: REDUCER, FIRST END NOMINAL DIAMETER: 6", SECOND END NOMINAL DIAMETER: 4", CONSTRUCTION: SMLS CEMENTED, END CONNECTION TYPE: BW, SCHEDULE: S-STD, MATERIAL: ASTM A234 GR.WPB, STANDARD: ASME-B16.9, CEMENT LINING STANDARD: AWWA C205,	2
28053219	TEE,UNION,12X12X12MM TUBE,SST,PARKER	TEE, TYPE: UNION, FIRST END NOMINAL DIAMETER: 12 MM TUBE, SECOND END NOMINAL DIAMETER: 12 MM TUBE, END CONNECTION TYPE: 12 MM TUBE, MATERIAL: SST, MFR NAME: PARKER, MFR P/N: T12S, DESIGN CHARACTERISTICS: FOR SS TUBE	4
95053639	TEE,EQUAL,4",S40,CS,A234WPB W/INT.CEMENT	TEE, TYPE: EQUAL, FIRST END NOMINAL DIAMETER: 4", END CONNECTION TYPE: PUP PIPE WELD ON END FOR SLEEVE JOINT, SCHEDULE: S-40, MATERIAL: CARBON STEEL, MATERIAL STANDARD: ASTM A234-WPB W/INT.MORTAR CEMENT LINED, STANDARD: ASME B16.9, CEMENT LINING STANDARD: AWWA C205, ADD. INFO.1: SEA WATER SERVICE	1
96350629	UNION,1 1/2",CL3000,FNPT,CS,A105N GALV	UNION, FIRST END NOMINAL DIAMETER: 1 1/2", CLASS/RATING: CL3000, END CONNECTION TYPE: FNPT, MATERIAL: CS, ASTM A105N GALV., STANDARD: ASME B 1.20.1	16
96360099	UNION,1",CL3000,MF,NPT,CS,A105N	UNION, PIPE: NOMINAL DIAMETER: 1", RATING: CL3000, END CONNECTION TYPE: NPT-ASME B 1.20.1, END ONE: MALE NPT, END TWO: FEMALE NPT, MATERIAL: CS, ASTM A105N, STANDARD: MSSSP83,	1
96357009	UNION,3/4",CL6000,FNPT,SS,A182 F304L	UNION, FIRST END NOMINAL DIAMETER: 3/4", CLASS/RATING: CL6000, END CONNECTION TYPE: FNPT, MATERIAL: SS, ASTM A182 F304L, MATERIAL STANDARD: ASME B 1.20.1, STANDARD: MSSSP83	1
28010059	UNION,EQUAL,12X12MM,BRASS,PARKER,HBMB12	UNION, TYPE: EQUAL, FIRST END NOMINAL DIAMETER: 12 MM, SECOND END NOMINAL DIAMETER: 12 MM, MATERIAL: BRASS, MFR NAME: PARKER, MFR P/N: HBMB12	4
		Total	6,452