

PRESSURE VESSEL DESIGN PGM LIST

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NO.	TYPE별 STD BOM	재료비 단가 목록	제관 제작비 산출 목록	프랜트견적자료-1	프랜트강도계산	프랜트설계자료-3	프랜트설계자료-5	탈기기견적설계	탈기기 구조설계-1A
1	AEU-STDBOM	-EXP/BELLOWS	-TUBING	ITEM LIST	-SHELL	-STD STUD BOLT**	-SHELL SIDE NOZ-1상세	-DESIGN INPUT DATA	-D-LOWER SADDLE 상세설계
2	AEL-STDBOM	-경판	-EXPANDING	MATERIAL SUMMARY LIST	-HEAD	-STD FLANGE WEIGHT	-SHELL SIDE NOZ-2상세	-HEAT BALANCE	-D-UPPER SADDLE 상세설계
3	AES-STDBOM	-FORGING	-SHELL, CHANNEL	-RING TYPE PLATE 소요자재**	-CONE	-STD FLANGE DIM	-SHELL SIDE M/WAY상세	-SPRAY V/V 수량 선정	-D-LIFTING LUG 상세설계
4	AJS-STDBOM	-PLATE	-INSULATION	-EXP. BELLOW 소요자재**	-TUBE SHEET	-STD PIPE WEIGHT		-TRAY 수량 선정	탈기기 구조설계-1B
5	AKT-STDBOM	-TUBE	-FIRE PROOFING	-BAFFLE 소요자재**	-GIRTH FLANGE	-STD PIPE TH'K	프랜트설계자료-6	-V-TYPE GEOMETRY	-S-LOWER SADDLE 상세설계
6	AEP-STDBOM	-PIPE	-CATHODIC P/S	-SUPPORT 소요자재**	-FLAT COVER	-STD NOZZLE PAD SIZE**	-HEAD SIDE NOZZLE상세	-H-TYPE GEOMETRY	-S-UPPER SADDLE 상세설계
7	AJW-STDBOM	-BLRF	-PACKING	-C-CON/SHELL-1 소요자재**	-FLOATING COVER	-STD VORTEX BREAKER	-HEAD SIDE M/WAY상세	-DATA SHEET	탈기기 구조설계-2
8	AXU-STDBOM	-WNRF	-SHOT & PAINT	-C-CON/SHELL-2 소요자재**	-FLOATING T/S	-STD-ANSI-B16.47		탈기기 강도계산-1	-H-HEATER상세설계
9	AJU-STDBOM	-BOSS	-SUS CLEANING	-H/E-CON/SHELL 소요자재**	-TEST RING	-STD ANSI B16.9 FITTING-1	프랜트설계자료-7	탈기기 STD BOM-1	-H-HTR DETAIL
10	AEM-STDBOM	-COUPLING	-SHELL BENDING	-E-CON/SHELL-1 소요자재**	-TEST COVER	-STD ANSI B16.9 FITTING-2	-HTR S/ I.D & OTL CHECK	-DESIGN INPUT DATA	탈기기 구조설계-3
11	AEN-STDBOM	-GIR-GASKET	-PAD BENDING	-CONICLA T/ROOF 소요자재**	-EXT/PRESS-HEAD	-STD BOLT-1	-F/HEAD DIM CHECK-1	-H-TYPE STD BOM	-V-HEATER상세설계
12	BEM-STDBOM	-STD-GASKET	-PIPE BENDING	-TEST RING 소요자재**	-EXT/PRESS-CONE	-STD BOLT-2	-F/HEAD DIM CHECK-2	탈기기 STD BOM-2	-V-HTR DETAIL
13	BJU-STDBOM	-BOLT	-U-TUBE BENDING	-PASS PARTITION 소요자재**	-SHELL STRESS	-TUBE MIN THK-R		-DESIGN INPUT DATA	탈기기 구조설계-4
14	BKU-STDBOM	-RELIEF V/V	-T/S HOLE 가공	-HEMI HEAD 소요자재**	-PAD CALCULATION	-TUBE MIN THK-C	프랜트설계자료-8	-V-TYPE STD BOM	-GRATING SUP'T상세설계
15	BEU-STDBOM	-ELBOW	-BAFFLE HOLE 가공	-U-TUBE 물량 산출**		-TUBE MIN THK-B	-SHELL CHECK-AES	탈기기설계자료-1	탈기기 구조설계-5
16	BES-STDBOM	-REDUCER	-T/S TURNING 가공	-STEEL SKID 소요자재**		-STD BAFFEL & SUPT		-STRESSES IN VESSELS	-D-HEAD SIDE MANWAY 상세설계
17	BEL-STDBOM	-TEE	-BAFFLE TURNING 가공	-용접봉 사용량 산출(계산식)	프랜트설계자료-1	-STD U-BOLT	프랜트설계자료-9	-TYPE별 TRAY DIM.	-S-HEAD SIDE MANWAY상세설계
18	BKM-STDBOM	-DEMISTER	-FLANGE TURNING 가공	-용접봉 사용량 산출(그래프)	-VESSEL VOLUME 계산	-형강류 치수	-WELD S/PAD CHECK	-SAFETY V/V SIZING	탈기기 구조설계-6
19	BXU-STDBOM	-형강류	-C/COVER TURNING 가공	-SUS OVER-LAY 물량 산출	-STD SADDLE-1 SIZING	-GRATING 중량	-FORGING NOZ DIM CHECK	-ANCHOR BOLT SIZING	-D-SHELL SIDE MANWAY상세설계
20	BU-STDBOM	-GAUGE류	-WELD GROOVE 가공	-LADDER 물량 산출	-STD SKIRT SIZING			-VENT ORIFICE	-H.P DRAIN NOZ-H/SIDE 상세설계
21	CJU-STDBOM		-SPARGER HOLE 가공	-PLATFORM 물량 산출	-STD LEG SIZING	프랜트설계자료-4	프랜트설계자료-10	-EQUALIZER	-VENT NOZ-S/SIDE 상세설계
22	CFU-STDBOM		-PWHT 비용	-DEMISTER SUPT 소요자재**	-STD LUG SIZING	-IMPINGEMENT PLATE상세	-HTR TUBE LAY-OUT	-NOZZLE SIZING	탈기기 구조설계-7
23	CXU-STDBOM		-LPWHT 비용	-NET WEIGHT FACTOR	-STD TEMPLATE SIZING	-TUBE CLEARANCE-1	-HTR 열정산(견적용)	탈기기설계자료-2	-SAFETY V/V-S/SIDE 상세설계
24	NKN-STDBOM		VESSEL 제관 MH산출 그래프(검토용)	-SEAL WELDING 물량 산출	-STD MANWAY COVER DAVIT	-TUBE CLEARANCE-2		-TIE ROD Q'TY	-WATER INLET-S/SIDE 상세설계
25	NEN-STDBOM			-INSU/RING & NUT 소요량**	-STD MANWAY COVER HINGE	-TUBE BENDING	프랜트설계자료-11	-TRAY LOAD TABLE	-STEAM INLET-H/SIDE 상세설계
26	NEM-STDBOM		H/EX 제관 MH산출 그래프(검토용)	-CUTTING PLAN CHECK	-STD TOP DAVIT SIZING	-GIRTH FLG GASKET SIZING	-MATERIAL COVERSION	-SPRAY V/V LOAD TABLE	-EQUALIZER-DTR-S/SIDE 상세설계
27	VA-LUG-STDBOM			-TUBE COUNT TABLE	-FITTING WEIGHT	-PASS PARTITION GROOVE		-STEAM TABLE	-DOWNCOMER-DTR-S/SIDE 상세설계
28	VB-LUG-STDBOM		-BORE 가공	-HELICAL PIPE 소요량 산출	-STD JACK BOLT	-TUBE HOLE DIM(TEMA)		-FLUSHING TABLE	탈기기 구조설계-8
29	VC-LUG-STDBOM				-TIE ROD 상세	-TUBE SHEET GROOVE		-DTR TYPE 선정	-EQUALIZER-TK 상세설계
30	VD-SAD-STDBOM			프랜트공 학자료-1	-STD LIFTING LUG	-TUBE 확관		-SPRAY V/V ARRANG-1	-DOWNCOMER-TK 상세설계
31	VE-SAD-STDBOM			-SPECIFIC GRAVITIES	-STD PULLING LUG-1	-TEMA-1		-SPRAY V/V ARRANG-2	-BFP OUTLET NOZ.상세설계
32	VF-SKT-STDBOM			-SECTION PROPERTIES	-STD PULLING LUG-1	-EXPANSION BELLOWS		-SPRAY V/V 분사 각	-DRAIN NOZ.상세설계
33	VG-TWR-STDBOM			-STRESS-STRAIN FORMULAS	-STD WEAR PLATE SIZING	-HTR TUBE COUNTING		-ANCHOR BOLT LOCATION	-OVERFLOW NOZ.상세설계
				-PARTIAL VOLUME-HEAD	-STUD BOLT 길이 산출**	-TUBE PATTERN		-TRAY SUP'T BEAM STRESS	-RECIRCULATION NOZ.상세설계
				-PARTIAL VOLUME-SHELL	-STD NOZZLE LENGTH	-STD GUIDE RAIL-1		탈기기설계자료-3	-LEVEL GAUGE NOZ.상세설계
				-GEOMETRICAL FORMULAS	-STD HEAD SIZING	-STD GUIDE RAIL-2		-PRESS.DROP OF SPRAY	탈기기 구조설계-9
				-BEAM FORMULAS	-STD SUPPORT BAND SIZING	-STD SLIDING SHOE		-TRAY MODULE	-탈기기 STD DETAIL
				-UNIT CONSERION	-STD BEND ALLOWANCES	-GASKET SELECTION		-SPARGER PIPE SIZING	탈기기 구조설계-10
				-GAGE UNIT	-STD T/SHEET VENT & DRAIN	-MATERIAL SELECTION		-THEORETICAL O2 CONT.	-PARALLEL FLOW 상세설계
				-VOLUME & AREA	-STD SEALING STRIP			-TRAY EFFICIENCY	탈기기 구조설계-11
				-TORICONICAL VOLUME	-ANSI COUPLING(NPT)			-VISCOSITY VS TEMP.	-H-TYPE P/F 기본 설계
								-SOLUBILITIES OF O2	-V-TYPE P/F 기본 설계
					프랜트설계자료-2			-STEAM PRESS. LOSS	-LADDER 기본 설계
					-GIRTH-FLANGE DIM. (AEU~NEN)			-PRESS. LOSS T/TRAY	탈기기 원자재 NESTING
								-ATOMIZING V/V CAP.	-C.S PLATE
								-WEIR FLOW	-S.S PLATE
								-STEAM VEL/CARRY OVER	

NOTE) 1. MATK "*" 는 자재 발주 물량 검증임.