

Design Consideration according to U-2(a) and UG-22 of ASME Section VIII Division 1, Edition 2025

Order No. _____

		The following requirements have been considered in the design:	
YES	NO		Code reference
<input type="checkbox"/>	<input type="checkbox"/>	INTERNAL DESIGN PRESSURE (INCL. STATIC HEAD)	UG-22(a)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	EXTERNAL DESIGN PRESSURE (INCL. STATIC HEAD)	UG-22(a)
<input type="checkbox"/>	<input type="checkbox"/>	CORROSION ALLOWANCE and ADDITIONAL SAFETY MARGIN	U-2(a)(1)(-b)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	DAMAGE MECHANISM; SERVICE RESTRICTIONS DUE TO SERVICE FLUID AT DESIGN CONDITIONS	U-2(a)(1)(-c)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	POSTWELD HEAT TREATMENT BEYOND THE REQUIREMENTS of SECTION VIII, DIVISION 1	U-2(a)(1)(-d)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPECIAL REQUIREMENTS FOR "SPECIAL SERVICE" (L, UB, DF)	U-2(a)(1)(-e)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NDE and ACCEPTANCE STANDARDS BEYOND THE REQUIREMENTS of SECTION VIII, DIVISION 1	U-2(a)(1)(-f)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	WEIGHT OF THE VESSEL	UG-22(b)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	WEIGHT OF VESSEL CONTENTS UNDER OPERATING CONDITIONS	UG-22(b)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	WEIGHT OF VESSEL CONTENTS UNDER TEST CONDITIONS	UG-22(b)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUPERIMPOSED STATIC REACTIONS FROM WEIGHT OF ATTACHED EQUIPMENT (MOTORS, MACHINERY, PIPING, LINING, INSULATION) and OTHER EXTERNAL NOZZLE LOADS	UG-22(c)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	THE ATTACHMENTS OF INTERNALS (BAFFLES, SUPPORT BEAMS, BEAM SEATS, RINGS)	UG-22(d)(1) / App.D
<input checked="" type="checkbox"/>	<input type="checkbox"/>	THE ATTACHMENTS OF VESSEL SUPPORTS (SKIRT, LEGS, SUPPORTING LUGS, SADDLES, RINGS)	UG-22(d)(2) / App.G
<input checked="" type="checkbox"/>	<input type="checkbox"/>	THE ATTACHMENT OF LIFTING LUGS, TAIL LUGS, TRUNNIONS and EXTERNAL EQUIPMENT (LADDERS, PLATFORMS)	UG-22(d)(2)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	CYCLIC AND DYNAMIC REACTIONS DUE TO PRESSURE	UG-22(e)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	CYCLIC AND DYNAMIC REACTIONS DUE TO THERMAL VARIATIONS	UG-22(e)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	CYCLIC AND DYNAMIC REACTIONS DUE TO EQUIPMENT MOUNTED ON THE VESSEL	UG-22(e)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	CYCLIC AND DYNAMIC REACTIONS DUE TO MECHANICAL LOADINGS	UG-22(e)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	WIND REACTIONS	UG-22(f)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SNOW REACTIONS	UG-22(f)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SEISMIC REACTIONS	UG-22(f)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	IMPACT REACTIONS SUCH AS THOSE DUE TO FLUID SHOCK	UG-22(g)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	TEMPERATURE GRADIENTS	UG-22(h)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	DIFFERENTIAL THERMAL EXPANSION	UG-22(h)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	ABNORMAL PRESSURES, SUCH AS THOSE CAUSED BY DEFLAGRATION or BLAST	UG-22(i)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	TEST PRESSURE (INCL. STATIC HEAD) (UG-99)	UG-22(j)

Note: User's Design Req'ts Form or equivalent is required when any grey line is marked "yes" (U-2(a)(2)).

Remarks:		
Customer's Specification / Drawings:		Rev. no.

reviewed and approved by _____ date _____