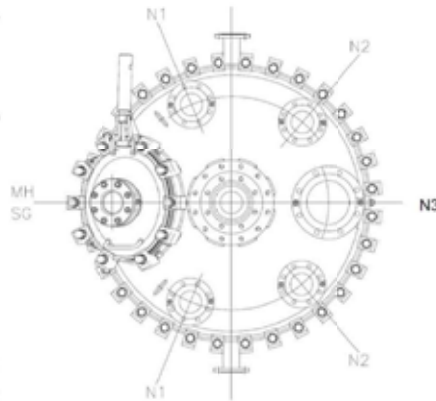
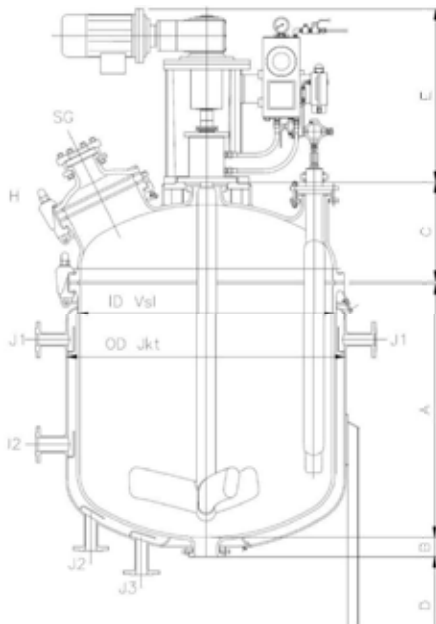


BT series reactors



Standard design data

Design pressure:

- Internal 100 psi or FV @ 450°F.
- Jacket 100 psi or FV @ 450°F.

Design and construction according ASME.

Code Section VIII Div.1 & are LI-Stamped.

Standard Drive type GNA with cartridge type mechanical seal or optional sGRA drive with in place seal change.

Three-blade retreat curve impeller supplied as standard. Other blade designs, multistage impeller systems and mixing design assistance are available.

Flange mounted flattened pipe baffle is standard.

Customized nozzle arrangement or reactor designs are available upon request.

Many accessories are available: easy access ports, samplers, cladding, valves, reduced height drives, spring assists, protection rings, etc. Please ask your local representative for additional items and options.

Working Capacity	Gallons	10	20	30	50	100	200	300	500
Vessel total capacity	Gallons	12	28	36	63	138	268	419	639
Jacket capacity	Gallons	7	12	15	18	28	48	86	125
Jacket heating area	ft ²	5	8	11	15	26	41	52	82
Vessel inside diameter	Inches	14	20	20	24	32	40	48	48
Jacket outside diameter	Inches	19	24	24	29	37	45	54	54
Dimension A	Inches	17	19	25	29	36	46	49	77
Dimension B	Inches	3,0	3,0	3,0	3,0	3,5	3,5	3,5	3,5
Dimension C	Inches	5	6	6	6	14	17	20	20
Dimension D	Inches	18,0	18,0	18,0	18,0	18,0	18,0	18,0	18,0
Dimension E	Inches	40,0	40,0	40,0	43,3	47,2	56,3	70,9	70,9
Reactor net weight	lbs.	277	460	548	752	1.623	2.461	3.399	4.544
With drive, agitator & baffle	lbs.	659	844	934	1.272	2.417	3.261	4.832	6.054
Full of water	lbs.	824	1.174	1.357	1.947	3.807	5.903	9.047	12.434

Working capacity	Gallons	10	20	30	50	100	200	300	500
Nozzles on top head									
Manhole		1,5"	2"	2"	3"	6"	12" x 16"	12" x 16"	12" x 16"
Sight Glass on cover		1,5"	2"	2"	3"	4"	4"	4"	4"
Free nozzles n° x ND	N1	1 x 1,5"	1 x 1,5"	1 x 1,5"	1 x 2"	1 x 4"	1 x 4"	1 x 4"	1 x 4"
Free nozzles n° x ND	N2	--	2 x 2"	2 x 2"	2 x 2"	2 x 4"	2 x 4"	2 x 4"	2 x 4"
Free nozzles n° x ND	N3	--	--	--	--	--	1 x 6"	1 x 8"	1 x 8"
Baffle nozzle		1,5"	1,5"	1,5"	2"	1 x 4"	1 x 4"	1 x 4"	1 x 4"
Drive nozzle		2"	2"	2"	3"	3"	5"	6"	6"
Outlet nozzle on bottom		2"	2"	2"	2"	3"	3"	3"	3"
Jacket nozzles									
J1 nozzles n° x ND		1 x 1,5"	1 x 1,5"	1 x 1,5"	1 x 1,5"	2 x 2"	2 x 2"	2 x 2"	2 x 2"
J2 agitating nozzles n° x ND		1 x 1,5"	1 x 1,5"	1 x 1,5"	1 x 1,5"	1 x 2"	1 x 2"	1 x 2"	1 x 2"
J3 nozzles n° x ND		1 x 1,5"	1 x 1,5"	1 x 1,5"	1 x 1,5"	2 x 2"	2 x 2"	2 x 2"	2 x 2"
Drive GNA standard size		40	40	40	50	60	60	80	80
Standard motor	HP	1	1	1	2	4	4	5	7
Impeller span	inch	12	12	12	17	19	24	28	28

