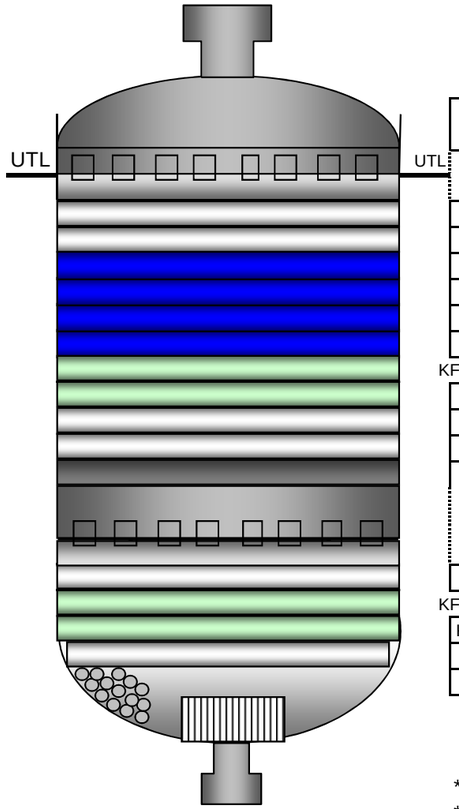
HU6A - August 2010 Actual Load

R101



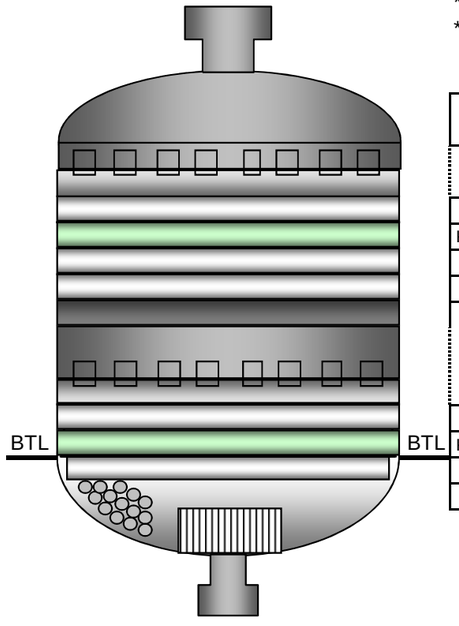
Reactor ID 12 ft

MATERIAL	SIZE	SUPPLIER	DEPTH ft	VOL. ft3	loading type	density lb/ft3	lbs	Reference Height	Outage ft	Outage ft	Outage in	PO#	Status
Distributor Tray			0.50					0.50	5.00	5	0		
Void Space			1.17					1.17	6.17	6	2		
CatTrap30	1" Wafers	Crystaphase	0.53	60.0	sock	16.0	961	0.53	6.70	6	8	4511938765	BTRF W/H
CatTrap50	1" Wafers	Crystaphase	0.53	60.0	sock	16.0	961	0.53	7.23	7	3	4511938765	BTRF W/H
TK711	3/16" Rings	Haldor Topsoe	1.84	208.1	sock	34.6	7,200	1.84	9.07	9	1	222809/4510853785/451085	BTRF W/H - 3 POs
TK711	1/8" Rings	Haldor Topsoe	0.16	18.2	sock	44.0	800	0.16	9.23	9	3	4510853782	BTRF W/H
TK437	1/8" Rings	Haldor Topsoe	0.04	5.0	sock	40.2	200	0.04	9.28	9	3	4509222809	200 lbs to clear W/H inventor
TK437	1/12"	Haldor Topsoe	3.12	352.9	sock	34.0	12,000	3.12	12.40	12	5	4511938762	ast loads due to less DCU L
KF757 HU6A 2x REAC	1.5E	Albemarle	27.50	3110.2	sock	45.5	141,477	27.50	39.90	39	11	4510944107	BTRF W/H
Fresh KF757	1.5E	Albemarle	6.92	782.6	sock	44.8	35,075	6.92	46.82	46	10	4506376303	BTRF W/H
1/4" Inert Balls	1/4" balls		0.53	60.0	sock	90.0	5,403	0.53	47.35	47	4	4509196228	BTRF W/H
1/2" Inert Balls	1/2" balls		0.53	60.0	sock	90.0	5,403	0.53	47.88	47	11	4506530678	BTRF W/H
Support Grid	Total Loaded Height		41.71										
Bed Support + Quench Zone			3.58					3.58	51.46	51	6		
Void Space			1.00					1.00	52.46	52	6		
1/4" Inert Balls	1/4" balls		0.53	60.0	sock	90.0	5,403	0.53	52.99	52	12	4511938762	BTRF W/H
KF757 HU6A 2x REAC	1.5E	Albemarle	30.92	3496.6	sock	46.2	161,528	30.92	83.91	83	11	4510944107	BTRF W/H
KF757 LHF REACT	1.5E	Albemarle	10.92	1235.0	sock	44.4	54,782	10.92	94.83	94	10	4511507566	BTRF W/H
1/4" Inert Balls	1/4" balls		0.53	60.0	sock	90.0	5,403	0.53	95.36	95	4	4509196228/4511938762	BTRF W/H
1" Inert Balls	1" balls		0.50	120.0	sock	90.0	10,800	0.50	95.86	95	10	4511938762/4511410800	BTRF W/H
	Total Loaded Height		43.40										
	Tan to Tan		90.36										
			43.30										

Notes

*Bottom of beam at 5'10" outage in Bed 1. Difficult to load to void space <2 ft
**Scale baskets start at 6'11" outage - 18 and 48 inches in length (removed during 2010 cat c/o)
***Bottom of beam at 52'1" outage in Bed 2. Difficult to load to void space <1 ft
****Internal dump tubes had caps installed, so no need for extra inerts or pie pieces

R102



Reactor ID 14 ft

MATERIAL	SIZE	SUPPLIER	DEPTH ft	VOL. ft3	loading type	density lb/ft3	lbs	Reference Height	Outage ft	Outage ft	Outage in	PO#	Status
Distributor Tray			0.50					0.50	9.25	8	10		
Void Space			1.44					1.44	10.69	10	8		
1/4" Inert Balls	1/4" balls		0.39	60.0	sock	90.0	5,403	0.39	11.08	11	1	4511938762	BTRF W/H
KF757 LHF REACT	1.5E	Albemarle	45.08	6939.5	dense	51.3	355,931	45.08	56.16	56	2	4511507566	BTRF W/H
1/4" Inert Balls	1/4" balls		0.39	60.0	sock	90.0	5,403	0.39	56.55	56	7	4511938762	BTRF W/H
1/2" Inert Balls	1/2" balls		0.39	60.0	sock	90.0	5,403	0.39	56.94	56	11	4506530678	BTRF W/H
Support Grid	Total Loaded Height		46.25										
Bed Support + Quench Zone			5.50					5.50	62.44	62	5		
Void Space			1.50					1.50	63.94	63	11		
1/4" Inert Balls	1/4" balls		0.39	60.0	sock	90.0	5,403	0.39	64.33	64	4	4511938762	BTRF W/H
KF757 LHF REACT	1.5E	Albemarle	44.67	6876.0	dense	50.1	344,445	44.67	109.00	109	0	4511507566	BTRF W/H
1/4" Inert Balls	1/4" balls		0.39	60.0	sock	90.0	5,403	0.39	109.39	109	5	4511938762	BTRF W/H
1" Inert Balls	1" balls		1.08	225.0	sock	90.0	20,250	1.08	110.47	110	6	4511938762/4510857794	BTRF W/H
	Total Loaded Height		46.53	**									
	Tan to Tan		101.72										

Notes

2008	960248		
2010	1093238	132991	1.14
2012	1,183,238	90000	1.08