

RELAXATION TANKS

SAFE HANDLING OF LIQUID HYDROCARBONS



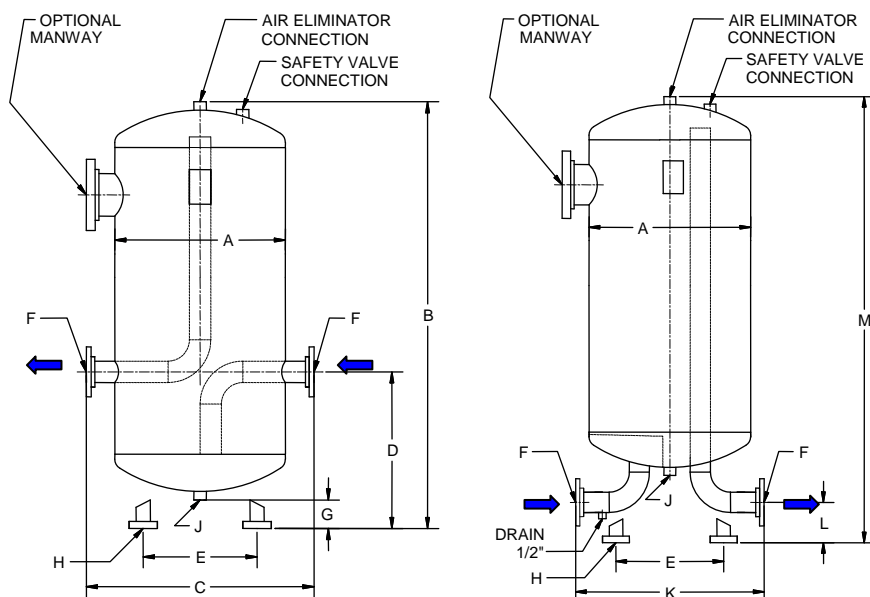
All hydrocarbons develop static electrical charge when they flow through a pipe line, valves, meters, or through filtration equipment. Within normal handling and storage temperatures, the product could ignite due to the static electrical discharge if the air/vapor mixture is correct. Any fire or ignition requires oxygen, vapor and an ignition source to propagate. Tests have proven that of all static electricity generators, filtration equipment with its millions of tiny pores is by far the greatest generator in any pipeline system. Therefore extra precautions are necessary downstream of filtration equipment to be sure that the charge is relaxed before the effluent enters into any vessel with a vapor space.

Relaxation time for product can be described as the time required for all of the initial decay portion of the static electrical charge accumulated within the fuel to drain off to some

grounded surface such as pipe or vessel wall. The time of relaxation is dependant upon the product conductivity, or conversely the product resistivity. For safe handling it is recommended to keep the fuel in piping or a pressure vessel relaxation tank for 30 seconds after filtering, or before dispensing it into an open tank.

You can save on the hundreds or perhaps thousands of feet of relaxation pipe and area by installing a vertical pressure vessel relaxation tank.

INFILTEK relaxation tanks are designed and manufactured to meet the requirements of the product, the flow, pressure and operation, and provide the 30 seconds of system relaxation time. The vessels are ASME code stamped and fully documented.



MODEL No.	Volume USG	A	B	C	D	E	F	G	H	J	K	L	M
RT-200	100	24	69	32	18	16	3	4	7/8	1	28	6	75
RT-350	175	28	84	38	20	18	4	4	7/8	1	32	8	94
RT-400	200	30	86	40	21	20	4	4	7/8	1	34	8	96
RT-500	250	32	94	42	22	22	6	4	7/8	1	36	8	105
RT-600	300	36	91	46	24	24	6	5	7/8	1.5	40	8	104
RT-800	400	40	90	52	24	26	6	5	7/8	1.5	42	8	104
RT-1000	500	42	98	54	24	28	8	5	7/8	1.5	44	10	110
RT-1200	600	48	98	60	25	32	8	6	7/8	2	48	10	112
RT-1800	900	54	122	66	30	36	10	6	1	2	54	10	140
RT-2400	1200	60	128	72	31	41	10	6	1	2	60	10	146
RT-3000	1500	66	136	78	34	45	12	6	1	2	66	12	156

NOTES: SPECIFICATION AND SIZES CAN CHANGE WITHOUT PRIOR NOTICE; FOR REFERENCE ONLY; NOT TO BE USED FOR PRE-PIPING WORK; NOT TO SCALE
ACCURATE DIMENSIONS AND DETAILS WILL BE ISSUED WITH ENGINEERING DRAWING

INFILTEK

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