

DETENTION LIME SLAKER

Series 85



The VeloDyne Series 85 Lime Slaker is designed to produce hydrated lime from commercial grade quick lime. The Series 85 is a fully automated slaker that consistently produces lime slurry ranging from 15%–25% by weight. Typical applications are for neutralization and pH control.

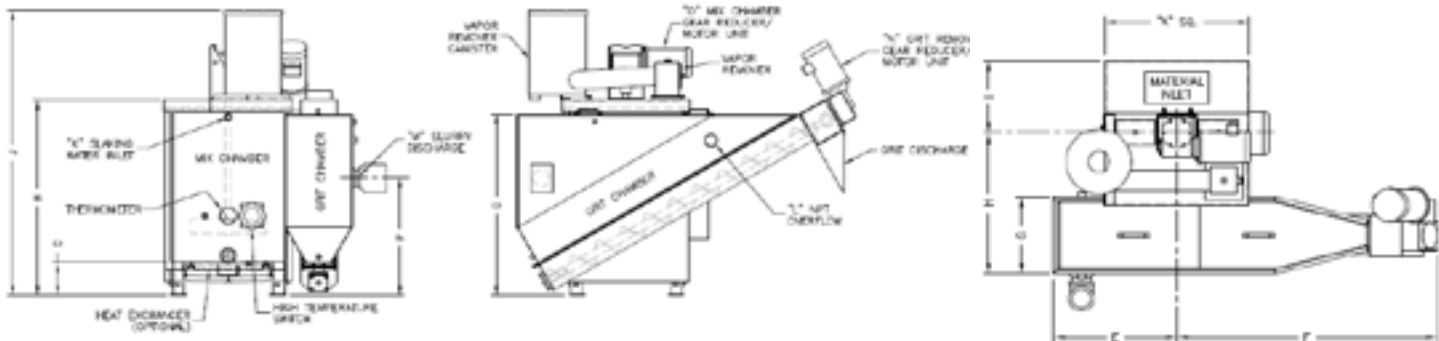
Features

- Available in sizes ranging from 300 to 24,000 pounds per hour
- Integral heat exchanger for heating incoming slaking water
- Replaceable wear liner inside slaking chamber
- Double walled and insulated for maximum heat efficiency
- Automatic over temperature alarm with cooling sequence
- Integral grit classifier (auger type standard)
- Optional vibrating screen grit classifier available
- Venturi fan dust and vapor remover
- Mixer torque monitoring to insure accurate slurry consistency

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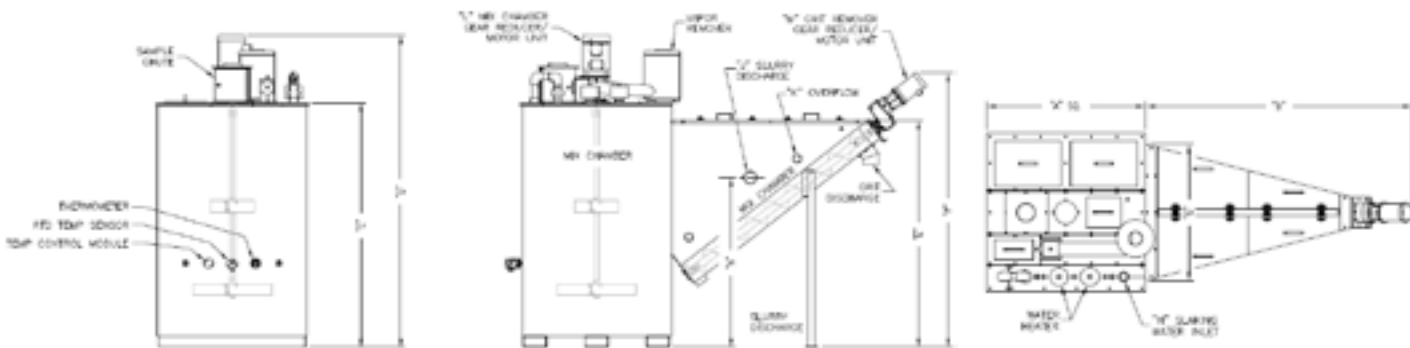
DETENTION LIME SLAKER

Series 85



Model	PPH	GPM	Slaker Sizing Chart (Inches)																
			A	B	C	D	E	F	G	H	I	J	K	L	M	N (hp)	O (hp)	P	
85-01	300	3	27-3/16	41-5/8	16	38-5/8	23-3/16	48-15/16	14-7/16	26-3/8	13-5/8	60-3/4	1	2	3	1/3	1	25	
85-02	600	4	27-3/16	41-5/8	7	38-5/8	23-3/16	48-15/16	14-7/16	26-3/8	13-5/8	60-3/4	1	2	3	1/3	1	25	
85-03	1200	10	34-3/16	44-5/8	7	41-5/8	27-3/16	49-7/16	16-7/16	31-7/16	17-1/8	63-3/4	1-1/2	2	3	1/3	1-1/2	34	
85-04	1500	12	34-3/16	49-1/8	7	47-5/8	27-3/16	49-7/16	16-7/16	31-7/16	17-1/8	68-1/4	1-1/2	2	3	1/3	1-1/2	33	
85-05	2000	16	39-13/16	54-5/8	7	53-1/8	27-3/16	49-7/16	16-7/16	34-1/4	19-15/16	73-3/4	1-1/2	2	3	1/3	5	38	

Table 1 – model 85-01 thru 85-05 detail as shown above



Model	PPH	GPM	Slaker Sizing Chart (Inches)																
			A	B	C	D	E	F	G	H	I	J	K	L (hp)	M (hp)	N			
85-06	3000	23.9	45-7/8	85-1/4	61	84-1/4	54-7/8	68-11/16	38-1/2	2	—	4	2	2	1/3	38-7/16			
85-07	4000	31.9	51-7/8	85-1/4	62-1/4	85-1/2	56-1/8	69-15/16	38-1/2	2	—	4	2	2	1/3	39-11/16			
85-08	5000	39.9	51-7/8	85-1/4	71-1/8	94-3/8	65	78-13/16	38-1/2	2	—	4	2	2	1/3	48-9/16			
85-09	6000	47.9	57-7/8	85-1/4	66-1/4	89-1/2	60-1/8	13-15/16	38-1/2	2	—	4	2	2	1/3	43-11/16			
85-10*	8000	63.9	63-7/8	N/A	72	95-1/4	N/A	N/A	N/A	3	—	6	N/A	5	N/A	N/A			
85-12**	12000	95.9	70-7/8	N/A	86-1/4	109-1/2	N/A	N/A	N/A	3	—	6	N/A	10 \ 7.5	N/A	N/A			
85-16**	16000	127.8	78-1/8	N/A	100-3/4	124	N/A	N/A	N/A	3	—	6	N/A	15 \ 7.5	N/A	N/A			
85-24**	24000	191.8	78-1/8	N/A	95-3/4	118-1/2	N/A	N/A	N/A	4	—	6	N/A	15 \ 10	N/A	N/A			

Table 2 – model 85-06 thru 85-24 detail as shown above

* This model is not furnished with an auger type grit remover system. This model is provided with a vibrating type grit remover.

**This model is designed with a dual slaking chamber for a longer retention time. Dual mixer and dual chamber not shown above. This model is also not furnished with an auger type grit remover system. This model is provided with a vibrating type grit remover.



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