

# FRAME MOUNTED CHLORINATORS

Capacities upto 10 Kg/Hr Model WM



Model WM Frame mounted Chlorinators are solution feed, vacuum operated, frame mounted type. A series of eight rotameters provide capacities of 0.2 to 10 Kg/Hr .Feed range is 20 to 1 for any one rotameter. The flow meter maintains the set feed rate within 4% of indicated flow.

Operating components are mounted on moulded fibre glass panel. The panel and other accessories like injector are totally mounted on a frame suitable for floor mounting.

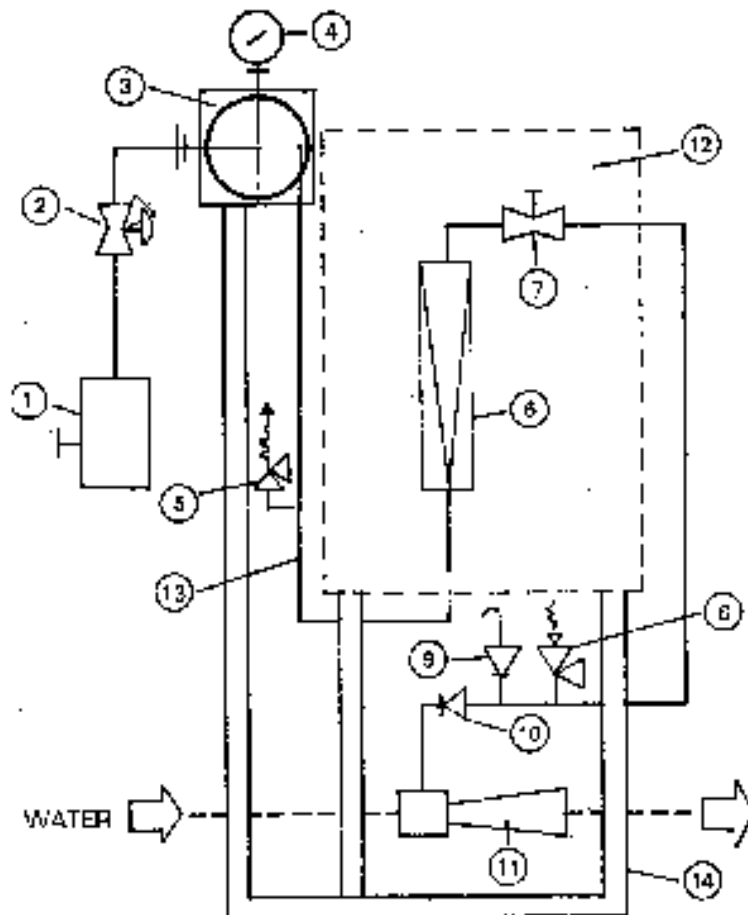


back flow of water into the chlorinator. Operation requires no auxiliary water and drain. A Chlorine pressure gauge at the gas inlet is included.

Operating Principle Water passes through injector to produce vacuum. The vacuum extends to vacuum regulator and allows the chlorine supply to be metered under vacuum in the chlorinator. The requirement of water varies according to capacity and operating back pressure.

Vacuum regulator is of exclusive design for a vacuum to open type safety feature. It opens only under normal operating vacuum. Chlorinator also incorporates high vacuum relief valve, emergency drain relief and check valve assembly, which prevents

## FLOW DIAGRAM



1. FILTER
2. PR. REDUCING VALVE
3. VACUUM REGULATOR
4. INLET PR. GAUGE
5. PR. RELIEF VALVE
6. FLOW METER
7. FLOW CONTROL VALVE
8. VACUUM RELIEF VALVE
9. EMERGENCY DRAIN RELIEF VALVE
10. CHECK VALVE
11. INJECTOR
12. CHLORINATOR CABINET
13. VACUUM PIPING
14. SUPPORT FRAME

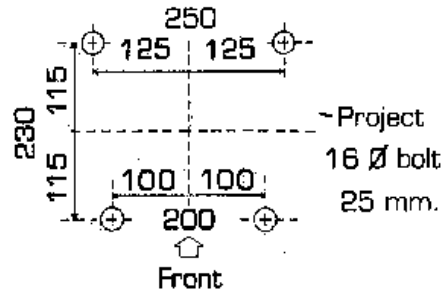
## BACK PRESSURE & INJECTOR WATER REQUIREMENT

## INJECTOR DATA

GAS Kg/hr		BACK PRESSURE Kg/cm <sup>2</sup>				
		1	2	3	4	5
0.2	INJ.NO.	(1)				
	PR.	2.60	3.90	5.10	6.00	7.25
	QTY	0.20	0.23	0.26	0.28	0.31
0.5	INJ.NO.	(2)				
	PR.	2.40	3.75	5.15	6.40	7.85
	QTY	0.22	0.28	0.31	0.33	0.39
1.0	INJ.NO.	(4)		(2)		
	PR.	2.60	4.25	5.90	6.85	8.30
	QTY	0.40	0.50	0.56	0.35	0.39
1.5	INJ.NO.	(7)	(4)			
	PR.	2.60	4.30	5.95	7.15	8.75
	QTY	0.72	0.50	0.56	0.62	0.68
2.0	INJ.NO.	(7)	(5)			
	PR.	2.55	3.90	5.30	6.40	7.85
	QTY	0.70	0.88	0.98	1.07	1.16
4.0	INJ.NO.	(9)		(8)		
	PR.	2.75	4.35	5.40	6.55	8.10
	QTY	1.15	1.40	1.52	1.69	1.85
6.0	INJ.NO.	(10A)		(10)		
	PR.	2.80	4.15	5.65	6.70	8.25
	QTY	1.67	2.00	2.27	2.48	2.75
10.0	INJ.NO.	(10B)				
	PR.	3.15	4.75	6.50	7.85	9.60
	QTY	2.40	2.80	3.28	3.53	3.90

Injector Number	Water Inlet NB	Solution Outlet NB	Solution Line (PVC O.D.)
1	20	20	25
2	20	20	25
3	25	25	32
4	25	25	32
5	32	32	40
7	25	25	32
8	40	40	50
9	32	32	40
10	40	40	50
10A	40	40	50
10B	50	50	63

### FOUNDATION DETAILS



Pr. in Kg/cm<sup>2</sup> Qty. - Lit/Second FOR HIGHER BACK PRESSURE CONTACT FACTORY



### IEC FABCHEM LIMITED

#861A, 'J' Block, 15<sup>th</sup> Street, 13<sup>th</sup> Main Road,  
Anna Nagar (W), Chennai - 600 040, INDIA.

Phone: 044- 26160854, 26160354

Fax: 044-26160458

Email: [iecfcl@eth.net](mailto:iecfcl@eth.net)

Website: [www.iecfabchem.in](http://www.iecfabchem.in)