



LOW-Capacity FLOWMETER

Installation, Operation & Maintenance

MPE-100 -CL2

MPE-250 -CL2

MPE-500 -CL2

RATE VALVE OPERATION

Turn the rate valve counterclockwise to open it completely. Further turns will completely remove the rate valve from the flow meter tube, which will cause a loss of Cl₂ feed. (See Appendix for servicing instructions.)

The O-ring seals for the rate valve are locked in place under the valve bonnet and do not come out when the rate valve is pulled out of the bonnet.

PREVENTATIVE MAINTENANCE NOTE: Rate valves which are not exercised frequently may experience a buildup of a white powdery substance which precipitates out of the chlorine gas. In order to avoid this, buildup, which can cause the rate valve to become stuck in place, it is recommended that the rate valve be periodically exercised. See Appendix for rate valve maintenance instructions.



SERVICING THE REMOTE METER

(I) CLEANING THE RATE VALVE

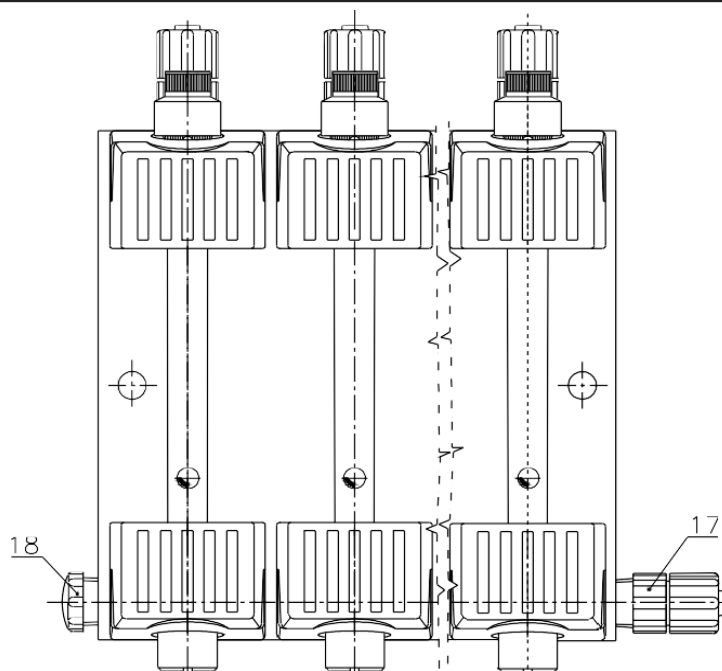
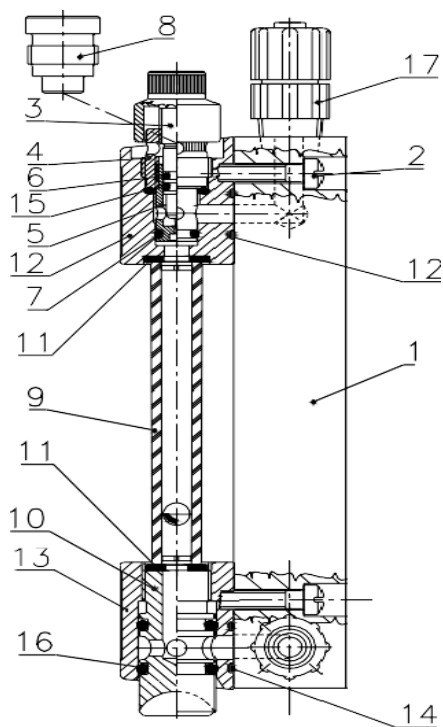
1. Unscrew the rate valve knob and stem (by hand) completely out of the top meter block.
2. In low capacity systems (10 PPD or below) check to see if the point of the valve stem is broken or bent. If it is damaged it must be replaced.
3. Replace O-Rings on the rate valve stem.
4. Lubricate the new O-Rings lightly with Flourolube grease before replacing the rate valve and knob into the top meter block.

(II) CLEANING THE METER TUBE

1. While holding the glass meter tube (to prevent it from falling) unscrew the inlet plug at the base of the bottom meter block, until the meter tube can be removed.
2. Remember to be careful not to lose the stops or ball in the following steps.
3. Remove the white stops at either end of the tube (you could use a paper clip).
4. Soak the tube in warm water with a cleaner like lime away or Muriatic Acid. Also, brush the inside of the tube with a pipe cleaner.

NOTE: Always follow safety precautions with Muriatic Acid and other chemicals.

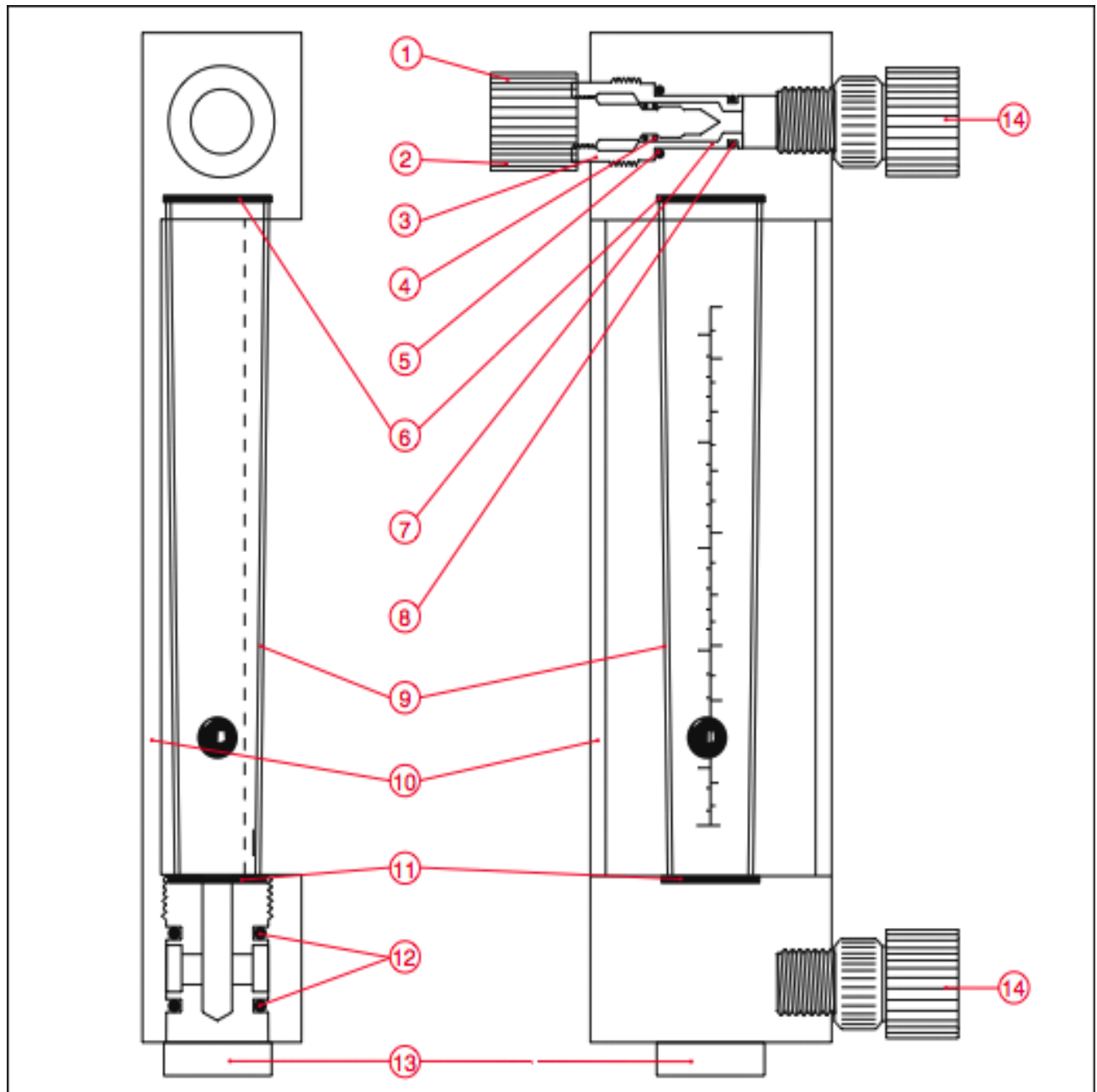
5. Dry the meter tube and reinstall the ball and stops.
6. It is recommended that new meter tube gaskets be used when reinstalling the meter tube.
7. Remove the inlet plug completely and inspect the O-Rings. If it has been more than 12 months since they were changed or if there is any noticeable damage, the O-Rings should be replaced.
8. Reinstall the inlet plug, meter gaskets and meter tube, making sure to center the tube on the top and bottom meter gaskets.
9. Tighten the inlet plug with reasonable force to make a seal. Do not use excessive force.



Item#	Part #	Description	Item#	Part #	Description
1	U-248-X	Measuring panel X= number of flowmeters	10	U-140	Measuring inlet
2	N-126	Screw	11	*G-100-3 # G-100-4	Sealing
3	AX-287-3	Mounted valve pin	12	M-110	Flowmeter holder upper
4	X-285	Valve holder	13	M-166	Flowmeter holder lower
5	X-286-3	Valve	14	OV-11-012	O-ring
6	OV-11-006	O-ring	15	OV-11-110	O-ring
7	OV-11-010	O-ring	16	OV-11-112	O-ring
8	M-175	Threaded closing screw	17	F-100	Mounted pipe joint
9	*A-108-8 # A-108-9	Measuring tube			
Notes:					
* FOR 2 kg/h					
# FOR 5 kg/h					
** not illustrated on the drawing					

ENCHLOR

EXPLODED VIEW
100 PPD REMOTE METER Dwg. No. MPE-(100-250)-CL2



Item No	Description	Qty	Part No	Item NO	Description	Qty	Part No
1	Rate valve assembly,500 ppd	1	RVE-118-500	10	Meter Panel Body	1	MPE-259-500
2	Rate valve Plug ,500 ppd	1	RVE-651-500	11	Bottom Meter Gasket	1	GAE-VIT-115
3	Rate valve Bonnet ,500 ppd	1	RVE-224-500	12	O-RING	1	ORE-VIT-212
4	O-RING	1	ORE-VIT-010	13	Meter Inlet	1	MIE-232-500
5	O-RING	1	ORE-VIT-112	14	5/8 " Tubing Connector	2	TCE-110-500
6	Top Meter Gasket	1	GAE-VIT-116	EXPLODED VIEW, BILL OF MATERIALS ENCHLOR 500 PPD REMOTE METER MPE -500-CL2, EXP			
7	Rate valve Sleeve ,500 ppd	1	RVE-116-500				
8	O-RING	1	ORE-VIT-012				
9	Meter Tube , 500 ppd	1	MTE-129-500				



ENCHLOR INCS
130 West Main Street
PO BOX 99
Silverdale, PA 18962USA
Web: www.enchlor.com
Email: sales@enchlor.com



The manufacturing took place in Egypt under the manufacturing contract between us and the Water Technology Company in Egypt, through which it is requested

236 EMTEDAD RAMSES 2 ST, CAIRO, EGYPT

TEL, FAX : 02-208 101 64

MO : 01279997874 - 01279997878

WATERTECHNOLOGY@YAHOO.COM

WWW.WATER-TECHNOLOGY-EGY.COM