



LOW-Capacity FLOWMETER

Installation, Operation & Maintenance

MPE- 1000-CL2

MPE-2000 -CL2

MPE-3000 -CL2



RATE VALVE OPERATION

PREVENTATIVE MAINTENANCE NOTE: Rate valves that are not exercised frequently may experience a build up of a white powdery substance which precipitates out of the chlorine gas. In order to avoid this build up, 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

NOTE: Carefully follow shutdown procedures before performing this repair.

1. Rate Valve

- a. Fully unscrew and remove the rate valve from the meter assembly.
- b. Inspect and clean the two rate valve O-Rings and replace them if necessary.
- c. Clean out any visible debris or corrosion found in the meter or on the rate valve.

2. Meter Tube Assembly

- a. Carefully remove the protective covers.
- b. While carefully preventing the flow tube from falling, unscrew the meter inlet plug to allow the meter tube to be removed. This will require a 1" wrench or socket.
- c. Inspect and clean the top and bottom gaskets. Replace them if necessary.
- d. Clean the tube, float and stop carefully before reassembly.

FIGURE 5 – EXAMPLE FLOW METER: MPE-XXXX-CL2

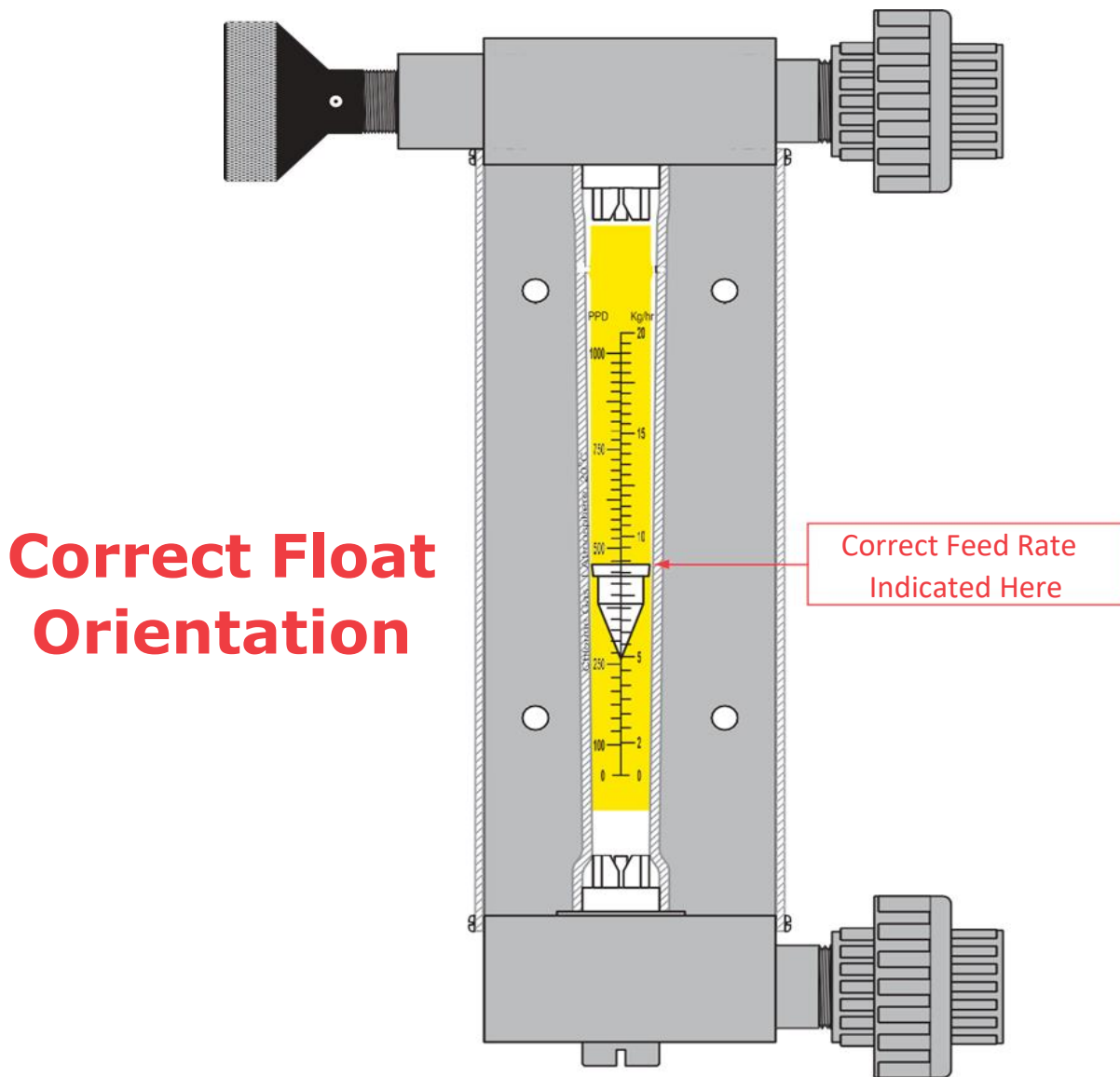
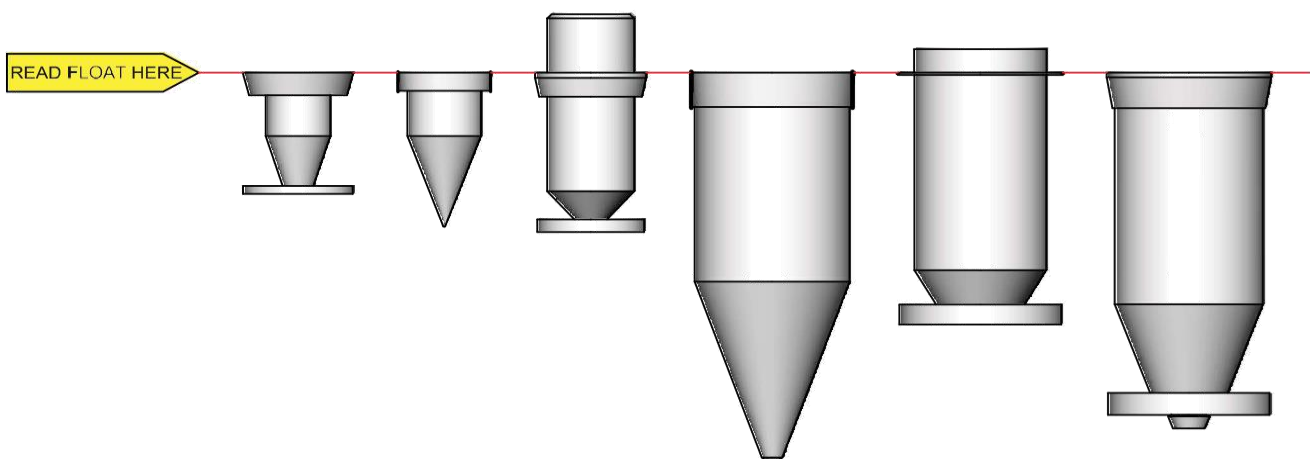
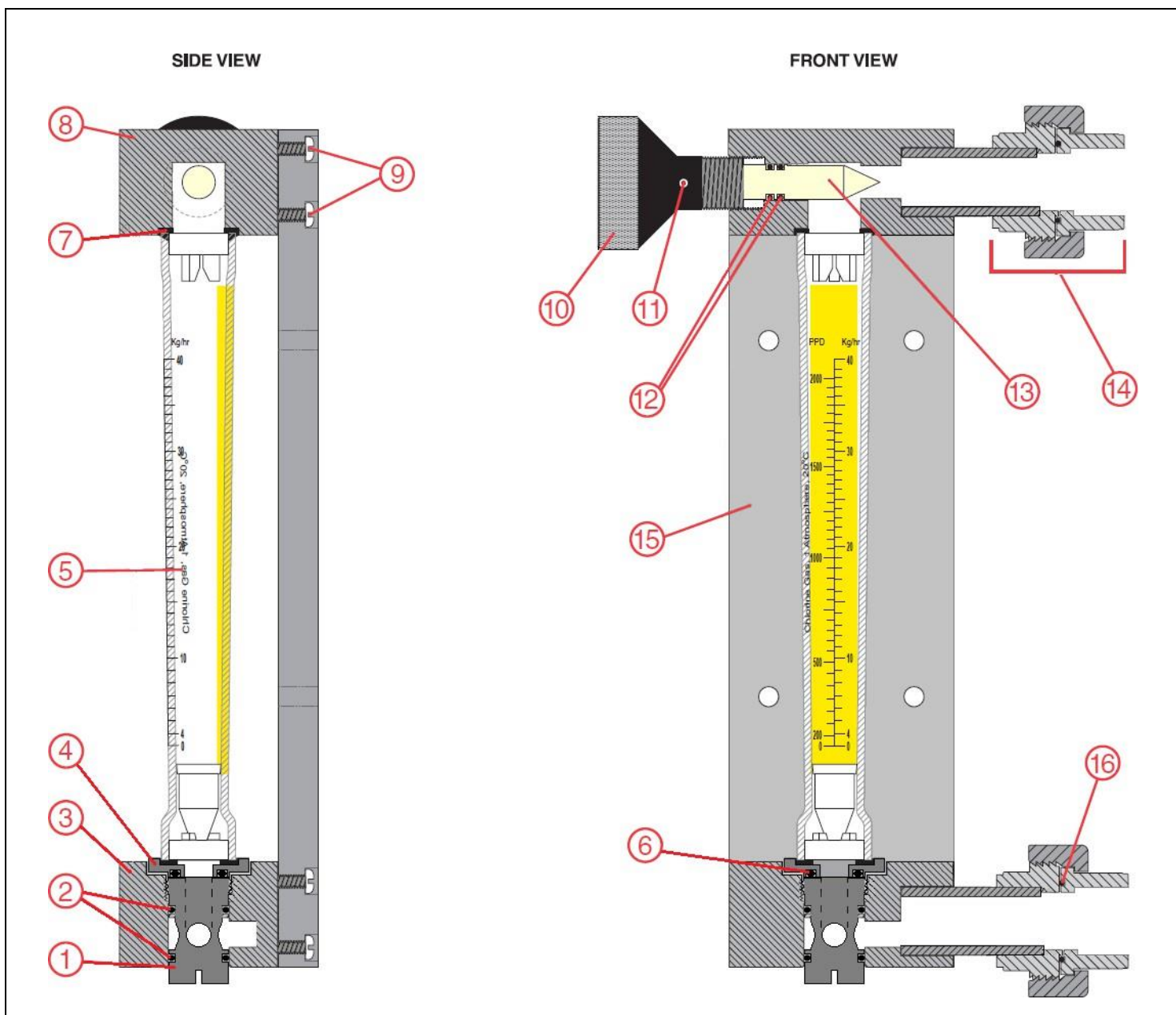


FIGURE 6 – READING EDGE FOR VARIOUS FLOAT SHAPES





Item#	Qty.	Part #	Description	Item#	Qty.	Part #	Description
1	1	MIE-40P	Meter Inlet Plug	9	8	BTE-40	¼-20 x 1" Screw
2	2	OE-VIT-212	O-Ring	10	1	RVE-40K	Rate Valve Knob
3	1	MBE-40B	Bottom Meter Block	11	1	RVE-PIN	1/8" x 1" Roll Pin
4	1	MIE-40D	Meter Disc	12	2	OE-VIT-112	O-Ring
5	1	MTE-XX	Meter Tube 20 / 40 1,000 PPD / 2,000 PPD	13	1	RVE-40S	Rate Valve Stem
6	1	OE-VIT-116	O-Ring	14	2	VUE-40	1" PVC Union - socket
7	2	MGE-40	Meter Gasket	15	1	MBE-40Z	Meter Base
8	1	MBE-40T	Top Meter Block	16	2	OE-VIT-215	O-Ring

Notes: Standard vacuum connectors supplied are 1" Sch. 80 PVC socket unions. Unions with 1" FNPT connections can be provided upon request.



EXPLODED VIEW
Dwg. No. MPE-XXXX-CL2, EXP



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

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