

FLAP GATE FOR DISCHARGE

FOR HYDRAFLO™ & SUBMERSIBLE ELECTRIC PUMPS



MWI Pumps' Flap Gate for Discharge provides dependable backflow prevention for Hydraflo™ and Submersible Electric Pump installations. Its lightweight, all-fabricated steel construction offers superior durability, easy repair, and lower weight than cast iron. The double-hinged design ensures a positive seal, while permanently lubricated bronze bushings provide long service life with minimal maintenance. Available in standard or custom configurations, the flap gate is ideal for flood control, irrigation, wastewater, sewer outfalls, and municipal water management applications.

FEATURES

- **Customized Design**
Special materials and designs available for specific applications where standard ASTM A-36 steel is not satisfactory.
- **All Fabricated Steel**
Lighter weight than cast iron not subject to breakage or warping. Fabrication design permits use of any weldable material for easy repair.
- **Double Hinged Construction**
Permits flexibility at bottom pivot. Assures positive seating.
- **Positive Dual Lubrication**
Bronze oilite bushings provide permanent lubrication. Grease packed tube provides long life lubrication with a provision for replaceable bronze bearings.

- **Full Pipe Size**
Flanged or plain end to meet job requirements.
- **External Adjustment**
Not necessary for positive seal.
- **Minimum Head Loss**
 - Flat plate design provides smooth flow with less tendency to clog.
- **Spool Piece Available**
In various lengths. Simplified piping design.

APPLICATIONS

- Wastewater Treatment Plants
- Farm Levees
- Irrigation Canals
- Tidal Drainage
- Municipal Projects

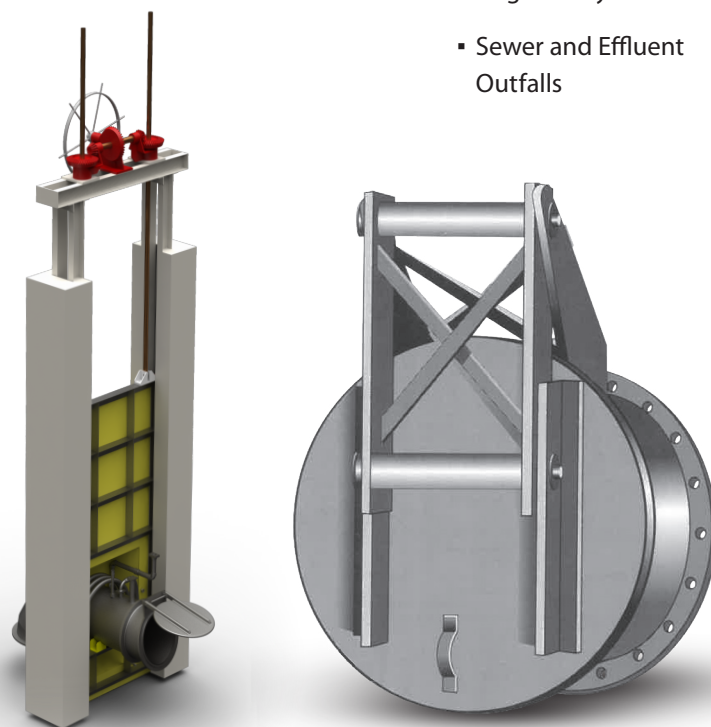
DESIGNED FOR

- Flood Control
- Irrigation Systems
- Sewer and Effluent Outfalls

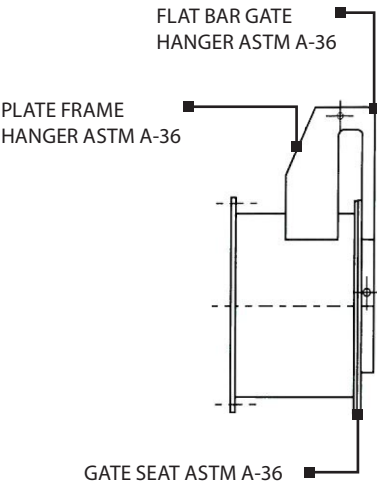
STANDARD MATERIAL THICKNESS	
6" - 12"	SCH 20
14" - 30"	3/16"
36" - 48"	1/4"
54" - 60"	5/16"

SIZE RANGE (IN)	MAX. HEAD LOSS FEET - WATER (ESTIMATED)
6" - 12"	0.05
14" - 24"	0.10
30" - 48"	0.20
60" - 72"	0.30

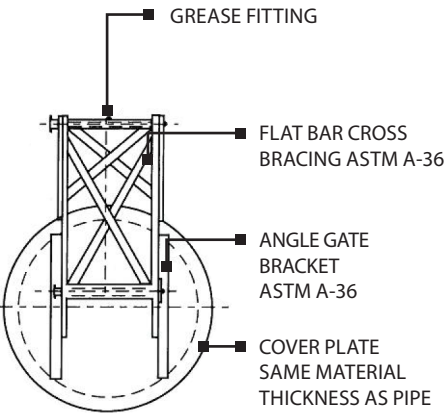
Other sizes available on request. Head losses vary with valve and flowrate. Head losses are estimated.



SIDE VIEW



FRONT VIEW



PIPE DIAMETER		DIMENSION (A)		DIMENSION (B)		DIMENSION (C)		RADIUS (R)		MASS	
in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	lbs.	kg.
6	152	12	305	5	127	8 7/8	225	12 3/4	324	85	39
8	203	12	305	6	152	9 7/8	251	14 3/4	375	100	45
10	254	12	305	7	178	12 1/8	308	18	457	125	57
12	305	12	305	8	203	15	381	21 1/2	546	150	68
14	356	12	305	9	229	16	406	23 1/2	597	160	73
16	406	12	305	10	254	17 7/8	454	26 1/2	673	185	84
18	457	12	305	11	279	17 3/4	451	27 1/2	699	210	95
20	508	12	305	12	305	21 1/4	540	32	813	235	107
24	610	18	457	14 1/2	368	26 3/8	670	39	991	360	163
28	711	24	610	16 7/8	429	30 1/2	775	45 7/8	1165	435	197
30	762	24	610	17 7/8	454	32	813	47 7/8	1216	470	213
36	914	24	610	20 7/8	530	36 1/4	921	54 7/8	1394	580	263
42	1067	24	610	24 3/8	619	41 3/4	1060	63 7/8	1622	710	322
48	1219	24	610	27 3/8	695	50	1270	74 3/8	1889	980	445
54	1372	24	610	30 3/8	772	53 1/2	1359	80 7/8	2054	1125	510
60	1524	30	762	33 3/8	848	61	1549	91 3/8	2321	1265	574
72	1829	36	914	39	991	75	1905	112	2845	2375	1077

The information contained herein is general in nature and is not intended for specific construction, installation or application purposes. MWI Pumps reserves the right to make changes in specifications shown herein or add improvements or discontinue manufacture at any time without notice or obligation.

DIMENSIONS

