

# P-30ff PRESSURE SLIDE GATE

- MEDIUM DUTY
- CORROSION RESISTANT TRIM
- FLANGEBACK

This Waterman Model P-30ff Red Top Pressure Slide Gate features a circular opening, circular flangeback frame and is provided with bronze seat faces and stem, and stainless steel assembly hardware for Sluice Gate type applications in water treatment facilities.

It is an economical gate, ideally suited for effluent ponding installations, pumping stations, and distributing boxes.

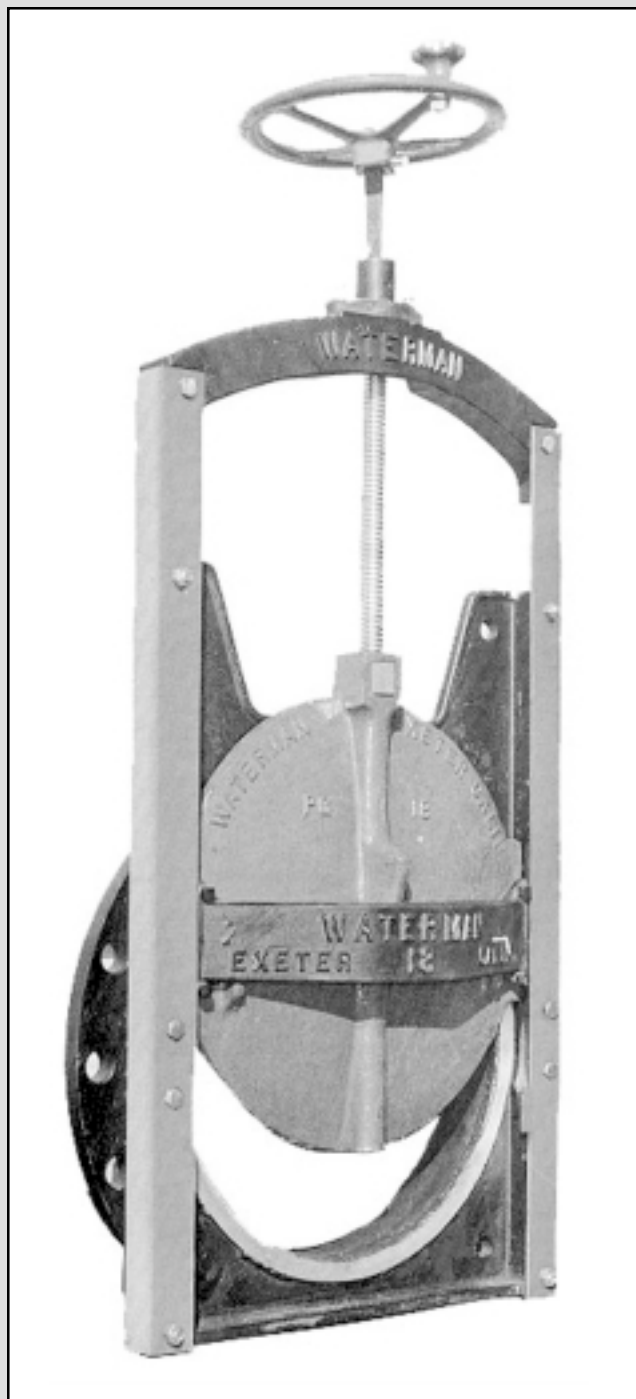
This gate is a product of many years of field, as well as manufacturing experience, and is of particularly sturdy construction. It has a powerful center wedge closing action, but is always easily opened. A bronze non-rising stem is standard and has rugged modified acme threads. Seat faces are iron (bronze optional). Guide rails on 6" - 14" are cast iron. Guide rails on 16" and larger are stainless steel.

All other parts are high strength, close-grained cast grey iron.

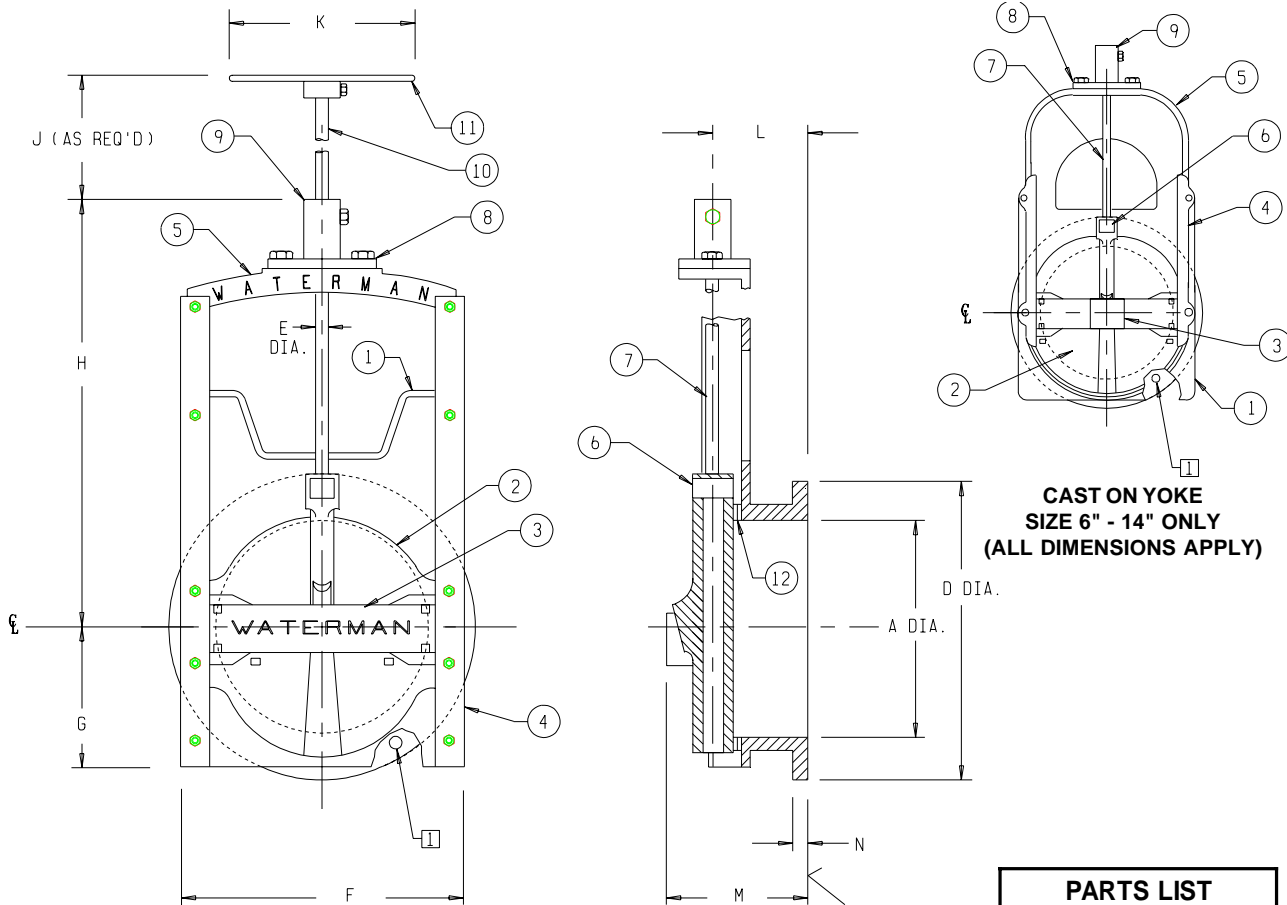
Used in water control applications where a rugged but economical circular opening gate is required, such as small reservoirs, distribution boxes, ponding areas and pumping stations where fluid and operating conditions are only moderately severe and continuous throttling action is not anticipated.

## FEATURES:

- Circular opening cast iron slide gate
- For **60 foot** seating (face) pressure and **10 foot** unseating (back) pressure.
- Circular flangeback mounting with 125 lb. ANSI straddle on center drilling standard. 25 lb. ANSI drilling optional
- Non-rising bronze stem standard. (Rising stainless steel stem, optional).
- Optional bronze seat faces
- Center-point wedge action
- Stainless steel assembly hardware.



# P-30ff PRESSURE SLIDE GATE



**CAST ON YOKE  
SIZE 6" - 14" ONLY  
(ALL DIMENSIONS APPLY)**

**NOTES:**

- 1 125# drilling standard; "P" dia. holes, "S" places eq. spaced, straddle centerline on "BC" dia. bolt circle, uses "R" NC bolts.
- 2. Gate capacity:  
Max. seating head 60 Ft.  
Max. unseating head 10 Ft.
- 3. Standard gate with non-rising stem.
- 4. All assembly hardware 300 series stainless steel.

| PARTS LIST |   |
|------------|---|
| No.        | Name  |
| 1          | Frame- Cast Iron                              |
| 2          | Cover - Cast Iron                             |
| 3          | Arch - Cast Iron                              |
| 4          | Rails - 304 Stn. Stl.<br>(Cast Iron thru 14") |
| 5          | Yoke - Cast Iron<br>(Cast on thru 14")        |
| 6          | Thrust Nut - Bronze                           |
| 7          | Stem - Bronze                                 |
| 8          | Collar - Cast Iron                            |
| 9          | Stem Ext. Brkt. - Cast Iron                   |
| 10         | Ext. Stem - Mat'l. as req'd.                  |
| 11         | Handwheel - Cast Iron                         |
| 12         | Bronze Seat - Optional                        |

**GATE DIMENSIONS IN INCHES**

| A  | BC  | D   | E   | F   | G   | H   | K  | L  | M   | N   | P   | R   | S  |
|----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|----|
| 6  | 9½  | 11  | 7/8 | 10  | 5½  | 14¼ | 10 | 5¼ | 7¼  | 1   | 7/8 | ¾   | 8  |
| 8  | 11¼ | 13½ | 7/8 | 11½ | 5½  | 17½ | 10 | 4½ | 7   | 7/8 | 7/8 | ¾   | 8  |
| 10 | 14¼ | 16  | 7/8 | 13¾ | 6½  | 20¾ | 10 | 4½ | 7   | 7/8 | 1   | 7/8 | 12 |
| 12 | 17  | 19  | 7/8 | 15¾ | 8   | 24½ | 12 | 4½ | 7½  | 1   | 1   | 7/8 | 12 |
| 14 | 18¾ | 21  | 7/8 | 18  | 9   | 26  | 12 | 4½ | 8   | 1½  | 1½  | 1   | 12 |
| 16 | 21¼ | 23½ | 1   | 20¾ | 10½ | 30¼ | 12 | 4½ | 8   | 1½  | 1½  | 1   | 16 |
| 18 | 22¾ | 25  | 1   | 22¾ | 11½ | 33¾ | 15 | 5  | 8½  | 1¼  | 1¼  | 1½  | 16 |
| 20 | 25  | 27½ | 1½  | 25  | 12½ | 40  | 15 | 5  | 9   | 1¼  | 1¼  | 1½  | 20 |
| 24 | 29½ | 32  | 1½  | 29¾ | 14½ | 48½ | 18 | 6¾ | 10½ | 1½  | 1½  | 1¼  | 20 |