

SMITH® JAY R. SMITH MFG. CO.®
 MEMBER OF MORRIS GROUP INTERNATIONAL
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LOCATION

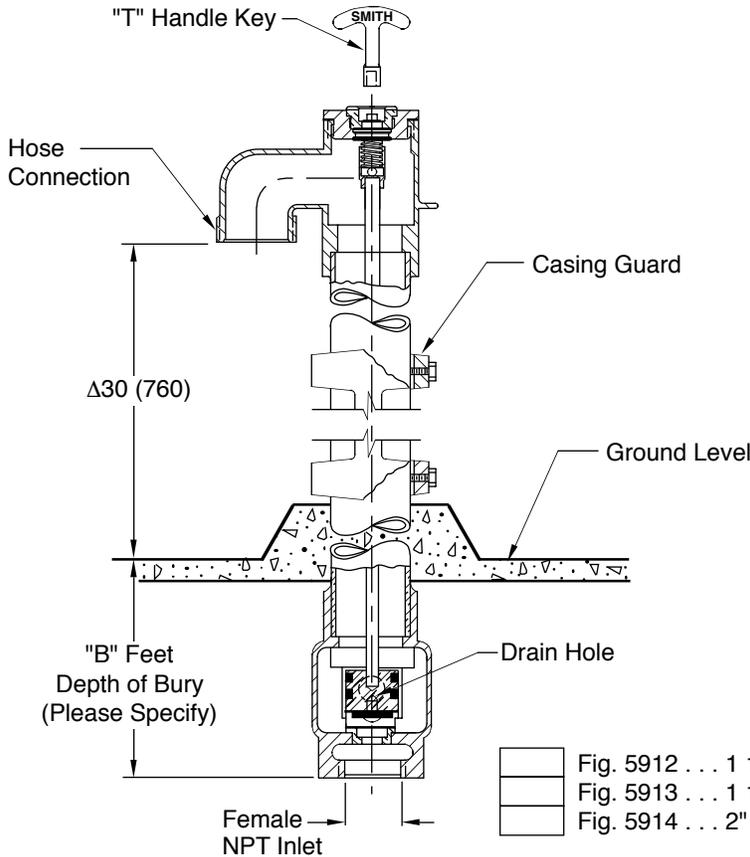
L
 DRAWING NUMBER S5912
 SIZE A
 SCALE: NONE
 DATE: 12-8-86
 APPROVED BY: TD
 CHECKED BY: VGD
 DRAWN BY: WAS
 FIGURE NUMBER 5912,5913,5914

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

NON-FREEZE POST HYDRANT

POST HYDRANTS WITH 1 1/4" (32), 1 1/2" (38) OR 2" (51) CONNECTIONS

FUNCTION: Used where an above ground water outlet is required in areas which are subject to freezing temperatures. Freezing is prevented by burying the valve housing below the frost line and draining water from the casing after shut-off.



- NOTES:**
1. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.
 2. The AB1953, California Lead Law, and NSF/ANSI Standard 61-2008 - Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
 3. Dimensions shown in parentheses are in millimeters.
 4. **FOR IRRIGATION PURPOSES ONLY.**

REGULARLY FURNISHED:

Bronze Non-freeze Post Hydrant with Cast Iron Casing Guard, and "T" Handle Key. Inlet and Hose Connection Size Furnished as Indicated by Figure Number Selected.

VARIATIONS:

- 1/8" (3) NPT Drain Hole -NV
- Secured Wheel Handle -WH

OPTIONAL MATERIALS:

- Aluminum Casing Guard -AG

- Fig. 5912 ... 1 1/4" (32)
 - Fig. 5913 ... 1 1/2" (38)
 - Fig. 5914 ... 2" (51)
- } Inlet and Hose Conn.

B (Depth of Bury) = 02(610), 03(915), 04(1220), 05(1525), 06(1830), 07(2135) or 08(2438) Feet
 ΔRegularly furnished (unless otherwise specified)

TECHNICAL DATA

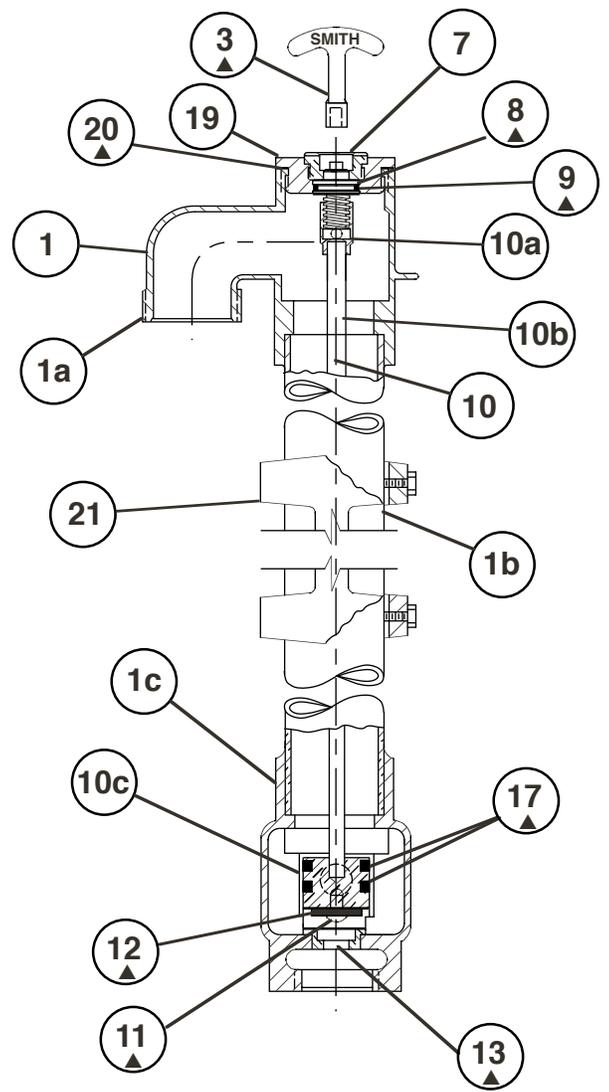
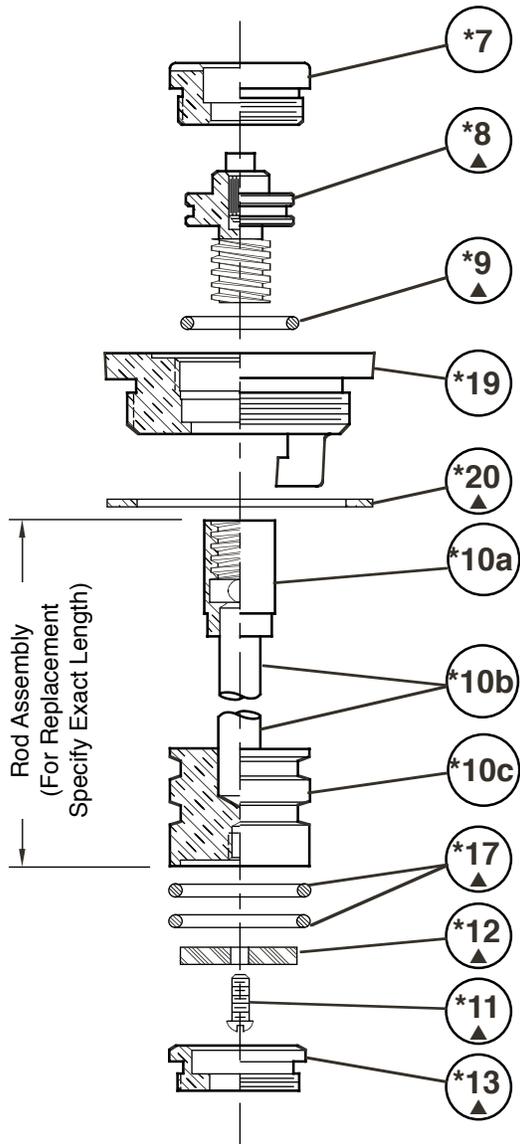
Non-Freeze Post Hydrants are supplied with a special valve housing which prevents freezing of hydrant during non-use periods. The valve housing must be installed below the frost line which prevails for the area of installation. The valve housing has a drain hole which drains the casing when the hydrant is shut off. In effect, there is no water in the casing during non-use periods. Since water from the drain hole is normally allowed to drain into the ground, the valve housing should be set in a bed of gravel. Water drained from the casing can then seep into the ground. Some locations which require Non-Freeze Post Hydrants cannot tolerate water draining from the drain hole. Examples are parking garages, plazas and roof decks used for recreational purposes. Often in these types of applications the valve housing will protrude into a finished area which is not subject to freezing temperatures. To eliminate the problem of water drainage in this type of installation, Smith can supply a tapped drain hole in the valve housing. Through this tapped drain hole, the water from the valve housing can be piped to a suitable drain.

| REV. | DATE | DESCRIPTION | BY | CKD. BY | WEIGHT POUNDS | VOLUME CUBIC FEET | FIGURE NUMBER |
|------------------|---|--|-------------------------|----------------------|---------------|-------------------|-----------------------|
| L K J H | 2-6-13 6-13-11 5-24-11 10-7-09 | Revised Notes Revised Note Added Note Revised Notes | TBW TBW TBW RN | CL CL CL CL | | | 5912,5913,5914 |

PARTS LIST WITH MAINTENANCE INSTRUCTIONS

FIGURE NUMBER: **5912,5913,5914**
 DRAWN BY: VGD
 CHECKED BY: TD
 APPROVED BY: TD
 DATE: 1-23-85
 SCALE: NONE
 SIZE: A
 DRAWING NUMBER: S5912BS
 B

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MAINTENANCE INSTRUCTIONS

1. Shut off water supply.
2. Remove face nut.
3. Pull stem out for complete access to all working parts.
4. Check all working parts for replacement.
5. Replace complete stem assembly and face nut.

| REPLACEMENT PARTS LIST - SPECIFY FIGURE NO. WHEN ORDERING | | | |
|---|--------------------------|-----|-------------------------|
| No. | DESCRIPTION | No. | DESCRIPTION |
| 1 | Head/Casing Assembly | 10b | Rod |
| 1a | Head | 10c | Plunger |
| 1b | Casing | 11 | Washer Screw (No. 10-24 |
| 1c | Valve Housing | 12 | Washer (Neoprene) |
| 3 | Key | 13 | Removable Seat |
| 7 | Face Nut | 17 | Plunger "O" Ring |
| 8 | Operating Screw | 19 | Face Nut Seat |
| 9 | Operating Screw "O" Ring | 20 | Face Nut Seat Gasket |
| 10 | Operating Rod Assembly | 21 | Casing Guard |
| 10a | Coupling | | |

▲THESE REPLACEMENT PARTS AVAILABLE IN HPRK -5

| | | | | | | | |
|------|---------|------------------|-----|---------|-----------------------|-------------------|---------------|
| B | 10-8-94 | Revised Callouts | TBW | BS | WEIGHT POUNDS | VOLUME CUBIC FEET | FIGURE NUMBER |
| A | 6-22-93 | Submittal Update | EMB | BS | | | |
| REV. | DATE | DESCRIPTION | BY | CKD. BY | 5912,5913,5914 | | |
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