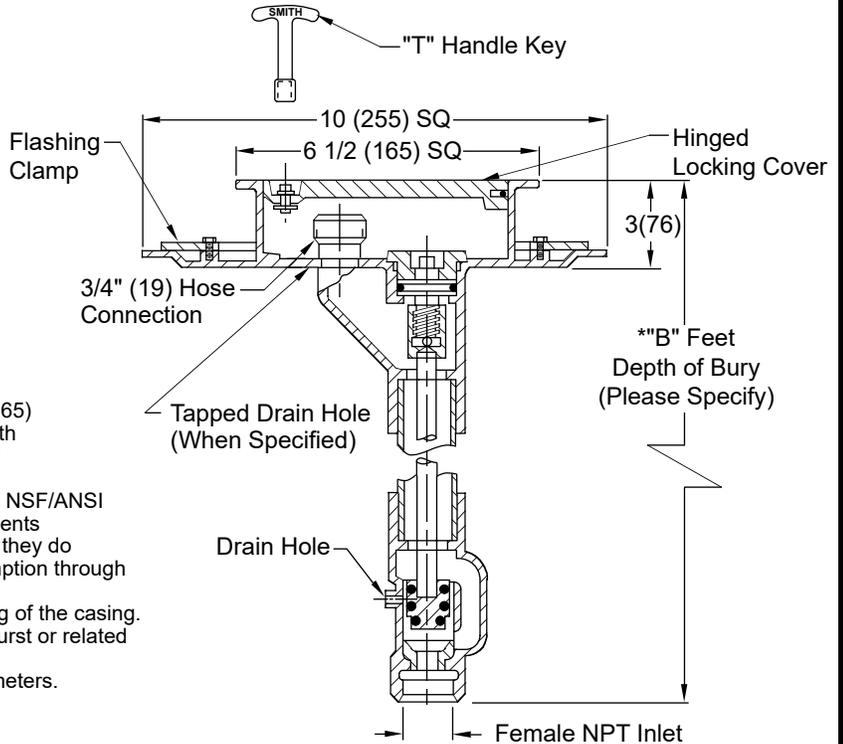
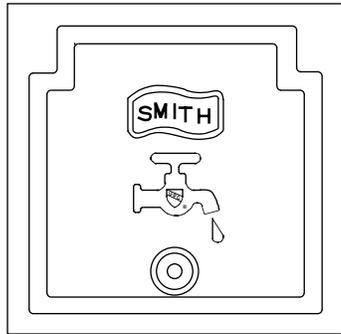


NON-FREEZE GROUND HYDRANT

BOX TYPE WITH INTEGRAL FLASHING FLANGE AND CLAMP



- NOTES:**
1. Recommended Box-out 10 1/2(265) x 10 1/2(265)
 2. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.
 3. The AB100, AB1953, California Lead Law, and NSF/ANSI Standard 61 - 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.
 4. Hose must be removed to allow proper draining of the casing. Smith is not responsible for any casings that burst or related incidents if the hose is not removed.
 5. Dimensions shown in parentheses are in millimeters.
 6. Hydrant & box will require assembly. Gasket is provided for insertion between the hydrant & box.
 7. Vacuum breaker not available with 1"(25) Hose Connection Adaptor -HC1.
 8. **FOR IRRIGATION PURPOSES ONLY.**
 9. Temperature Range: 33.0°F to 140.0°F (0.6°C to 60.0°C).

- | | |
|--|---------------------------------------|
| | Fig. 5810F. . . 3/4"(20) INLET |
| | Fig. 5811F. . . 1"(25) INLET |

REGULARLY FURNISHED:

Bronze Non-Freeze Ground Hydrant with "T" Handle Key, Bronze Hydrant Box with Flashing Flange and Clamp. Inlet Size Furnished as Indicated by Figure Number Selected.

VARIATIONS:

- | | |
|--|---|
| | 1"(25) Hose Connection Adaptor -HC1 |
| | Less Drain Hole -LD |
| | 1/8"(3) NPT Drain Hole in Box -N |
| | 1/8"(3) NPT Drain Hole in Valve Housing -NV |
| | Mild Climate -SAP |
| | Less Flashing Clamp -LFC |
| | "Water" Cast on Cover -W |
| | Vacuum Breaker -H (Note 4&7) |

OPTIONAL MATERIALS:

- | | |
|--|-------------------------|
| | Nickel Bronze Box -NB |
| | Polished Bronze Box -PB |

B(Depth of Bury) = 02(610), 03(915), 04(1220), 05(1525), 06(1830), 07(2135) or 08(2438) Feet
 *B = 9 1/2"(240) When Specified 5810F-SAP
 *B = 9 1/2"(240) When Specified 5811F-SAP

TECHNICAL DATA

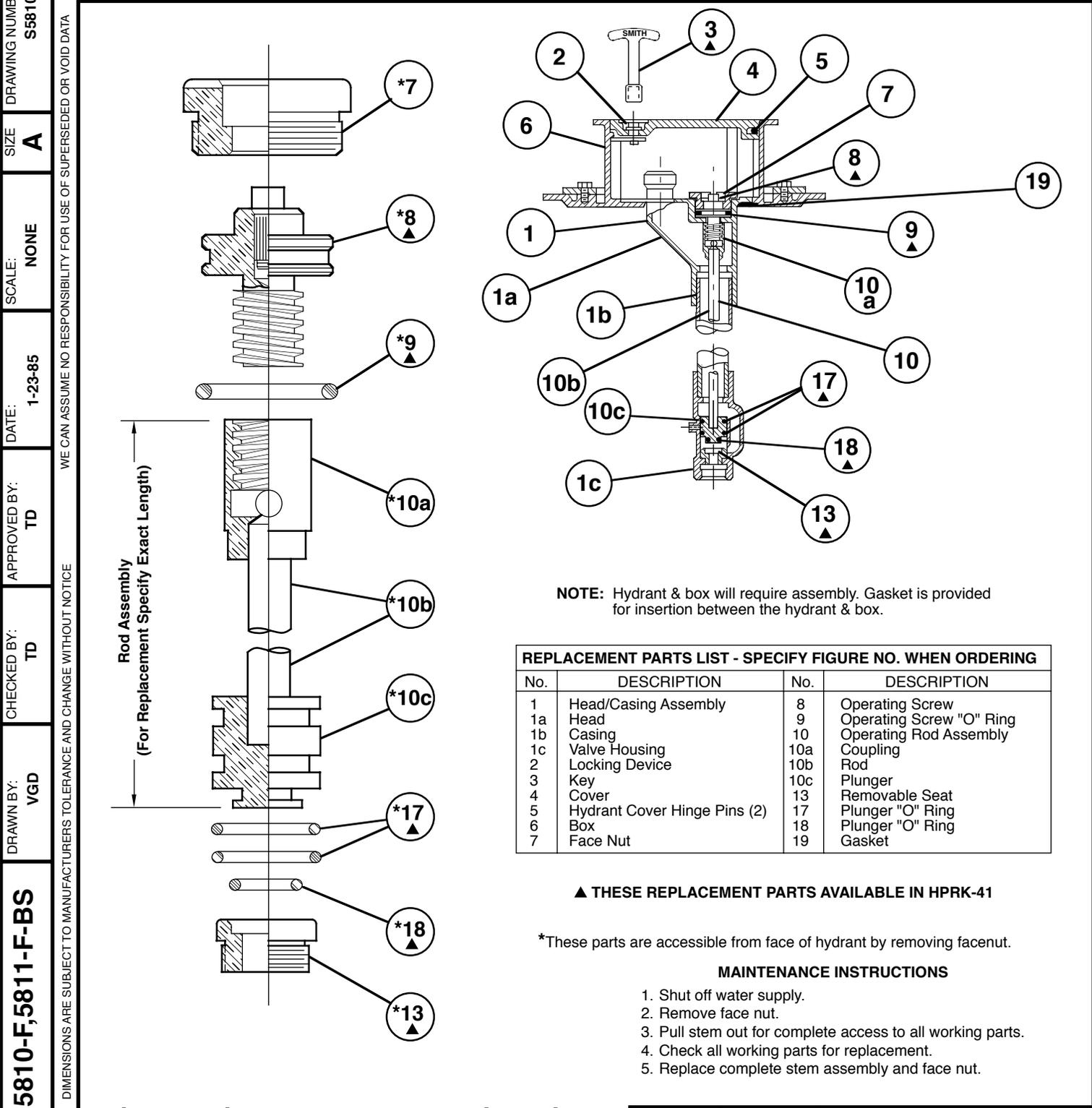
Non-Freeze Ground Hydrants are supplied with a special valve housing which prevents freezing of hydrant during non-use periods. The valve housing must be installed below the frost line which prevails for the area of installation. The valve housing has a drain hole which drains the casing when the hydrant 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 Ground 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 hydrant box and a tapped drain hole in the valve housing. Through these tapped drain holes, water accumulation in the box and the water from the valve housing drain hole can be piped to a suitable drain.

DRAWING NUMBER: **S5810F**
 SIZE: **A**
 SCALE: **NONE**
 DATE: **12-8-88**
 APPROVED BY: **TD**
 CHECKED BY: **VGD**
 DRAWN BY: **WAS**
5810F, 5811F
 DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

T	2-4-25	Revised Notes	HS	BW	WEIGHT	VOLUME	FIGURE NUMBER
SR	10-18-24	Revised Notes	HS	CL	POUNDS	CUBIC FEET	5810F, 5811F
Q	8-4-23	Removed Function	HS	CL			
	3-22-23	Revised Note 3	KK	JT			
REV.	DATE	DESCRIPTION	BY	CKD. BY			

PARTS LIST WITH MAINTENANCE INSTRUCTIONS



NOTE: Hydrant & box will require assembly. Gasket is provided for insertion between the hydrant & box.

REPLACEMENT PARTS LIST - SPECIFY FIGURE NO. WHEN ORDERING			
No.	DESCRIPTION	No.	DESCRIPTION
1	Head/Casing Assembly	8	Operating Screw
1a	Head	9	Operating Screw "O" Ring
1b	Casing	10	Operating Rod Assembly
1c	Valve Housing	10a	Coupling
2	Locking Device	10b	Rod
3	Key	10c	Plunger
4	Cover	13	Removable Seat
5	Hydrant Cover Hinge Pins (2)	17	Plunger "O" Ring
6	Box	18	Plunger "O" Ring
7	Face Nut	19	Gasket

▲ THESE REPLACEMENT PARTS AVAILABLE IN HPRK-41

*These parts are accessible from face of hydrant by removing facenut.

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.

FIGURE NUMBER	C	12-13-16	Revised Parts List, Added Note	TBW	AM	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
	B	6-22-93	Added Note	EMB	BS			
	A	6-29-93	Submittal Update	EMB	BS			5810-F,5811-F
REV.	DATE	DESCRIPTION	BY	CKD. BY				