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**SMITH® JAY R. SMITH MFG. CO.®**  
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ASPE  
 PDI  
 MEMBER OF:  
 IAPMO

LOCATION

DRAWING NUMBER  
S5509QT-R

SIZE  
A

SCALE:  
NONE

DATE:  
11/04/09

APPROVED BY:  
TK

CHECKED BY:  
TK

DRAWN BY:  
JJ

5509QT-R

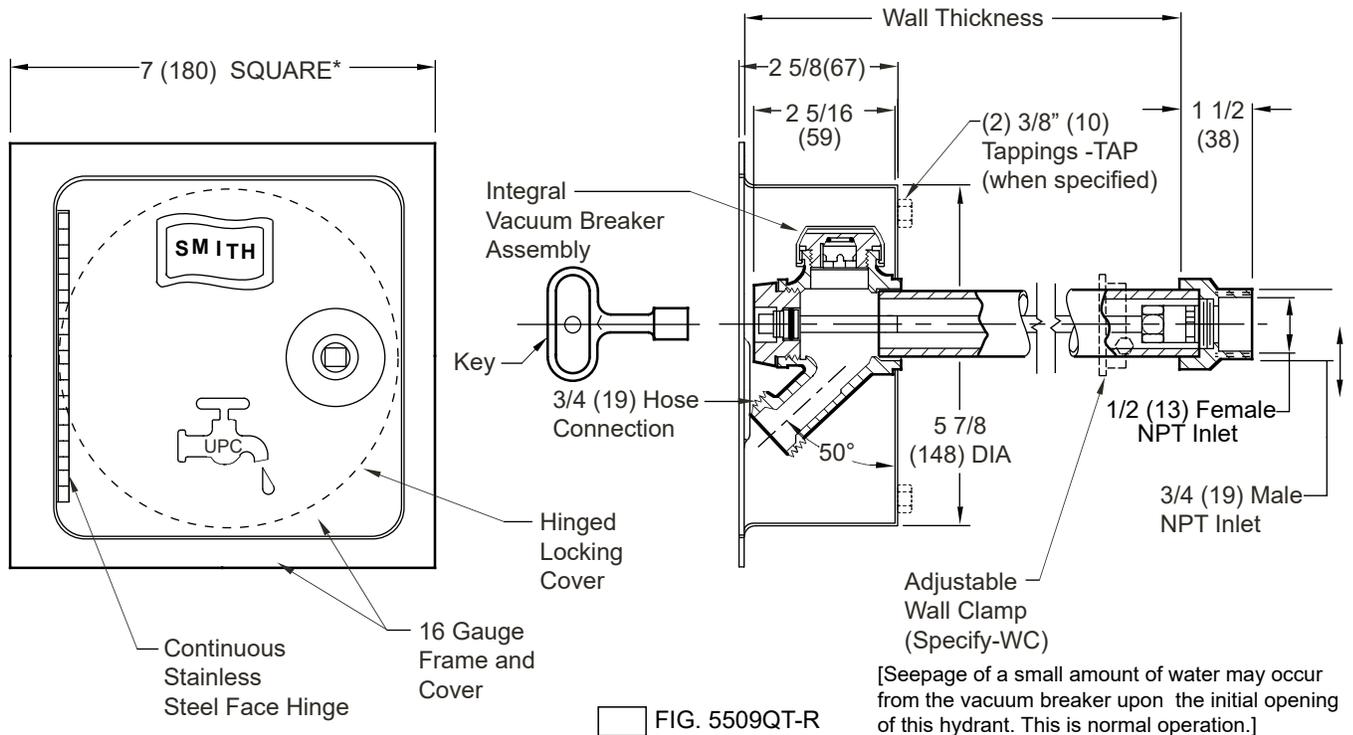
FIGURE NUMBER

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

**QUARTERHORSE  
 1/4 TURN NON-FREEZE WALL HYDRANT WITH  
 INTEGRAL VACUUM BREAKER AND STAINLESS STEEL BOX**

**BOX TYPE WITH CONCEALED HOSE CONNECTION FOR CORED 6" (150) DIA. HOLE IN CONCRETE WALL**

**1/4 Turn of the Key Allows Full Flow to Be Obtained**



[Seepage of a small amount of water may occur from the vacuum breaker upon the initial opening of this hydrant. This is normal operation.]

FIG. 5509QT-R

**REGULARLY FURNISHED:**

Bronze Nickel Plated Quarter Turn Non-Freeze Hydrant with Hose Connection, Integral Vacuum Breaker, "T" Handle Key, and Stainless Steel Box with Full 180° Cover Opening.

**VARIATIONS:**

- Adjustable Wall Clamp -WC
- Cylinder Lock -CL
- 1" (25) Hose Connection -HC1
- 1" (25) Male NPT Inlet Connection -IC1
- "Water" On Cover -W
- (2) 3/8"(10) Tappings -TAP

\*\*Add 3/4" (19) to Overall Length When Specified

**Installer is responsible for providing a 100% watertight positive seal at the hydrant to box interface and hydrant to wall interface. Seal all interior joints, seams, gasket seams/closures including around the hydrant box flange with an appropriate sealant recommended by a sealant manufacturer. NOTE: Jay R. Smith does not warrant the performance or life expectancy of the sealant material.**

**NOTES:** 1. \*Recommended wall opening 6"(150) x 6"(150). Hydrant shall be in the vertical position only, the connection must be on the bottom.

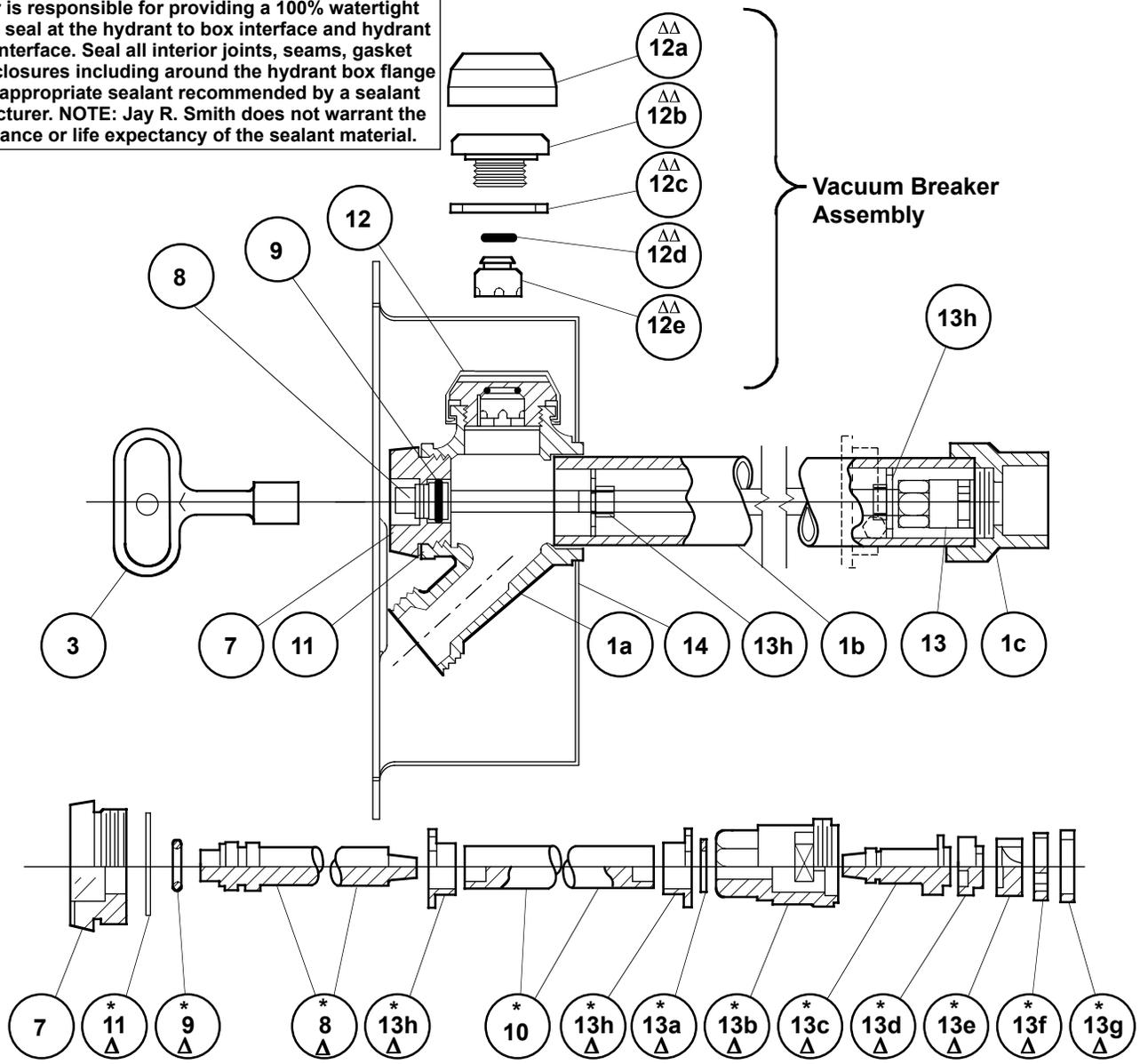
2. For non-freeze protection, a wall thickness which locates the inlet connection inside a heated or insulated space must be specified. Lengths are to be specified in 2"(51) increments as follows: 06(150), 08(205), 10(255), 12(305), 14(355), 16(405), 18(455), 20(510), 22(560) or 24(610). When wall clamp -WC is desired, increase wall thickness dimension by 2"(51).
3. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings, and USDA approved lubricants.
4. 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.
5. Dimensions shown in parentheses are in millimeters.
6. **FOR IRRIGATION PURPOSES ONLY.**
7. For the hydrant to drain properly and provide non-freeze protection when used with a hose, the **Hose must be removed** from the nozzle after each use.
8. Temperature Range:  
33.0°F to 140.0°F (0.6°C to 60.0°C).

**PATENTED**

REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
	2-3-25 3-19-24 8-1-23 3-22-23	Revised Notes Revised Notes Removed Function Revised Note 4	HS HS HS KK	BW CL CL JT			<b>5509QT-R</b>

# HYDRANT PARTS LIST

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DRAWING NUMBER: S5509QT-RBS  
 SIZE: A  
 SCALE: NONE  
 DATE: 11/04/09  
 APPROVED BY: TK  
 CHECKED BY: TK  
 DRAWN BY: JJ  
 DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE  
 WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

Δ These Replacement Parts Available in HPRK-7  
 ΔΔ These Replacement Parts Available in HPRK-7VB  
 \* All Parts Accessible from Face of Hydrant by Removing Face Nut.

HYDRANT PARTS LIST			
NO.	DESCRIPTION	NO.	DESCRIPTION
1	Head/Casing Assembly	10	Operator Rod
1a	Head	11	Face Nut Washer
1b	Casing	12	Vacuum Breaker Assembly
1c	Valve Housing	12a	VB Cap
3	Key	12b	VB Body
7	Face Nut	12c	VB Washer
8	Actuator Shaft	12d	VB "O" Ring
9	Actuator "O" Ring	12e	VB Piston
		13	Valve Body Assembly
		13a	Retaining Ring
		13b	Valve Body
		13c	Valve Actuator
		13d	Nylon Thrust Washer
		13e	Rotating Ceramic Disc
		13f	Fixed Ceramic Disc
		13g	Silicon Rubber Seal
		13h	Retainer Guide (2)
		14	Box Assembly S.S.

FIGURE NUMBER	B A	3-13-24 7-19-16	Added Note Added Note	HS TBW	CL BW	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER <b>5509QT-RBS</b>
REV.	DATE	DESCRIPTION		BY	CKD. BY			