

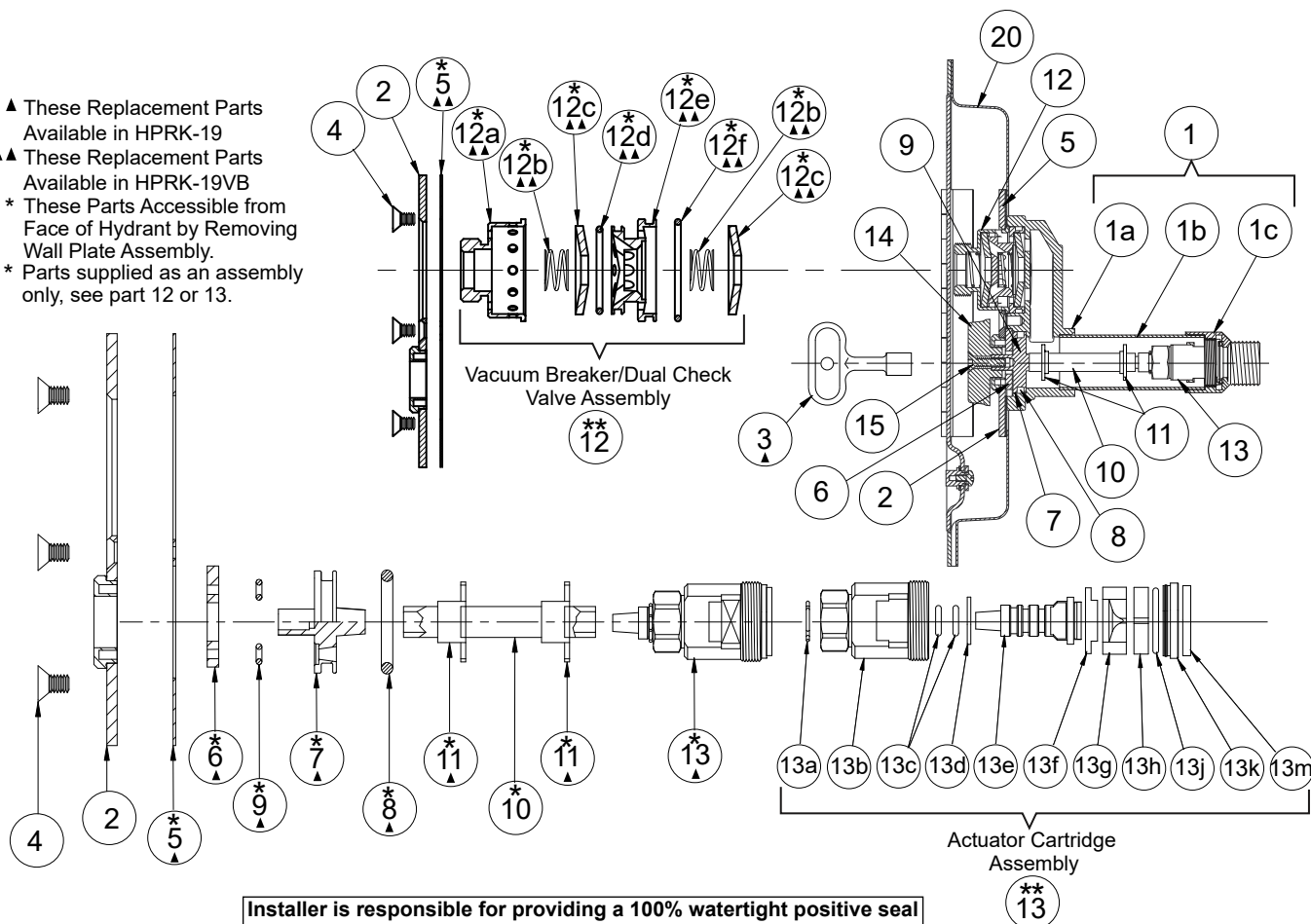
5519	Q	SMITH® JAY R. SMITH MFG. CO.® MEMBER OF MORRIS GROUP INTERNATIONAL POST OFFICE BOX 3237 MONTGOMERY, ALABAMA 36109-0237 (USA) TEL: 334-277-8520 FAX: 888-377-7818 www.jrsmith.com						LOCATION																					
	SIZE A	GUARDIAN DUAL CHECK® 1/4 TURN NON-FREEZE WALL HYDRANT WITH AUTOMATIC DRAINING INTEGRAL VACUUM BREAKER, DUAL CHECK VALVE AND STAINLESS STEEL BOX BOX TYPE WITH CONCEALED HOSE CONNECTION 1/4 Turn of the Key or Wheel Handle Allows Full Flow to Be Obtained																											
	SCALE: NONE	FRONT VIEW with COVER OPEN TOP VIEW FRONT VIEW																											
	DATE: 3-24-03																												
	APPROVED BY: CEL										NOTES: - Recommended wall opening 3 3/16 (83) x 8 1/2 (215). - 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 1"(25) increments as follows: 5,6,7,8,9.....24. - All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings, and USDA approved lubricants. - When wall clamp -WC is desired, increase wall thickness dimension by 2 (51). - Add 3/4 (19) to Overall Length When Specified. - Add 3/8 (10) When Optional Box Face Material is Specified. - When specifying Fig. 5519 (-SAP) the wall thickness shall be 3 (76). - Dimensions shown in parentheses are in millimeters. - 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. FOR IRRIGATION PURPOSES ONLY. - Temperature Range: 33.0°F to 140.0°F (0.6°C to 60.0°C). - This ASSE 1019 device shall not be subjected to more than twelve (12) hours of continuous water pressure. REGULARLY FURNISHED: Bronze Quarter Turn Non-Freeze Automatic Draining Hydrant with Stainless Steel Face, Hose Connection, Integral Vacuum Breaker and Dual Check Valve, "T" Handle Key, Wheel Handle and Stainless Steel Box with Full 180° Cover Opening. VARIATIONS: <table style="width: 100%;"> <tr> <td>☐</td> <td>Adjustable Wall Clamp -WC (Note 4)</td> </tr> <tr> <td>☐</td> <td>1 (25) Hose Connection -HC1</td> </tr> <tr> <td>☐</td> <td>1 (25) Male NPT Inlet Connection -IC1 (Note 5)</td> </tr> <tr> <td>☐</td> <td>Mild Climate -SAP (Note 7)</td> </tr> <tr> <td>☐</td> <td>Cylinder Lock -CL</td> </tr> <tr> <td>☐</td> <td>(2) 3/8"(10) Tappings -TAP</td> </tr> </table> OPTIONAL MATERIALS: <table style="width: 100%;"> <tr> <td>☐</td> <td>Polished Bronze Box Face -PB</td> </tr> <tr> <td>☐</td> <td>Nickel Bronze Box Face -NB</td> </tr> <tr> <td>☐</td> <td>Rough Bronze Box Face -RB</td> </tr> <tr> <td>☐</td> <td>Chrome Plated Box Face -CP</td> </tr> </table> Patent No. US 6,752,167									☐	Adjustable Wall Clamp -WC (Note 4)	☐	1 (25) Hose Connection -HC1	☐	1 (25) Male NPT Inlet Connection -IC1 (Note 5)	☐	Mild Climate -SAP (Note 7)	☐	Cylinder Lock -CL
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CHECKED BY: CL																													
DRAWN BY: RN																													

REV.	DATE	DESCRIPTION	BY	CKD. BY

Q P N	1-31-25 6-4-24 3-20-24	Revised Notes Added ® Revised Notes	HS HS HS	BW CL CL	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER 5519
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GUARDIAN DUAL® CHECK HYDRANT PARTS LIST

- ▲ These Replacement Parts Available in HPRK-19
- ▲▲ These Replacement Parts Available in HPRK-19VB
- * These Parts Accessible from Face of Hydrant by Removing Wall Plate Assembly.
- ** Parts supplied as an assembly only, see part 12 or 13.



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.

HYDRANT PARTS LIST							
NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Casing Assembly	7	Moveable Operator Piece	12d	**Small O-Ring	13f	**Nylon Thrust Washer
1a	Head	8	Moveable Operator O-Ring	12e	**Flow Diverter	13g	**Rotating Ceramic Disc
1b	Casing	9	Drain Hole Seal (2)	12f	**Large O-Ring	13h	**Fixed Ceramic Disc
1c	Valve Housing	10	Operator Rod	13	Actuator Cartridge	13j	**O-Ring
2	Wall Plate Assembly	11	Operator Rod Guides (2)		Assembly	13k	**O-Ring Gasket Retainer
3	Key	12	Vacuum Breaker/Dual	13a	**Retaining Ring	13m	**Rubber Seal
4	Wall Plate Securing Screw (5)		Check Valve Assembly	13b	**Valve Body	14	Wheel Handle
5	Wall Plate Gasket	12a	**Vacuum Breaker Housing	13c	**Actuator O-Ring (2)	15	Wheel Handle Screw
6	Stationary Operator Piece	12b	**Spring (2)	13d	**Nylon Thrust Spacer	20	Box Assembly
		12c	**Cone Washer (2)	13e	**Valve Actuator		

B A	6-4-24 7-20-16	Added ® Added Note	HS TBW	BW BW	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER 5519BS
REV.	DATE	DESCRIPTION	BY	CKD. BY			