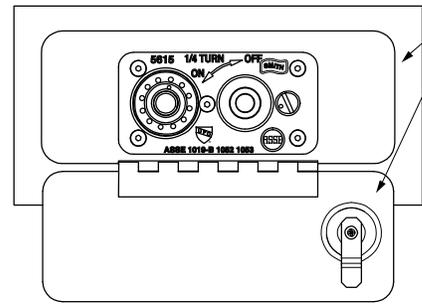


J
 DRAWING NUMBER 5515
 SIZE A
 SCALE: NONE
 DATE: 11-29-11
 APPROVED BY: CL
 CHECKED BY: CL
 DRAWN BY: TBW
 FIGURE NUMBER 5515
 DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

GUARDIAN PLUS DUAL CHECK
1/4 TURN NON-FREEZE HYDRANT WITH AUTOMATIC DRAINING INTEGRAL VACUUM BREAKER, INTEGRAL SERVICE SHUT-OFF VALVE, DUAL CHECK VALVE, AND STAINLESS STEEL BOX

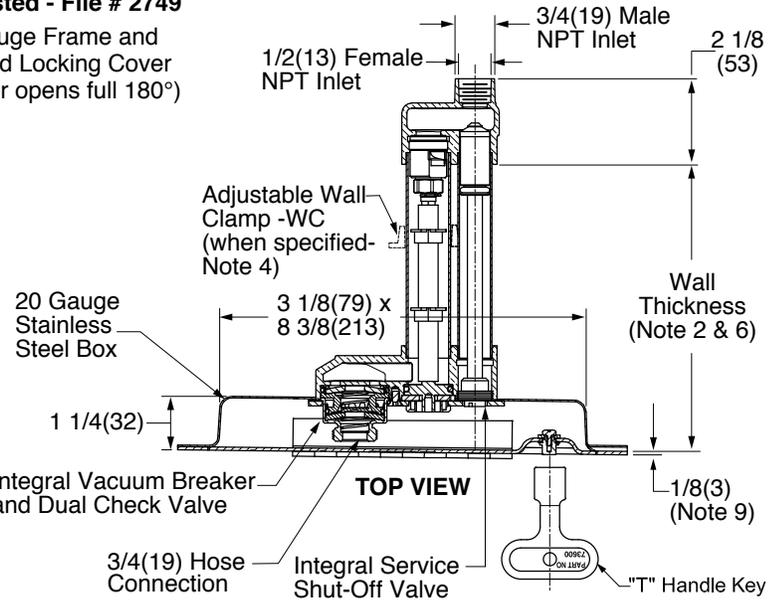
FUNCTION: Provides positive non-freeze protection where water is required at the outside of the building and features an integral vacuum breaker, dual check valve and water service shut-off valve. The stainless steel box conceals the nozzle and operating mechanism. The locking cover prevents unauthorized use.

1/4 Turn of the Key or Wheel Handle Allows Full Flow to be Obtained
Meets ASME A112.21.3M
Complies with ASSE 1019-B, 1052 & 1053
IAPMO Listed - File # 2749

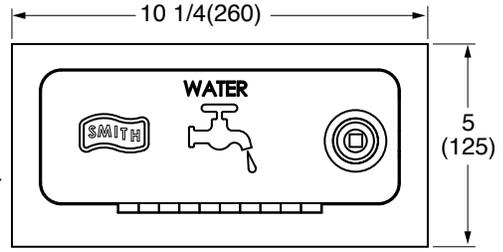


FRONT VIEW with COVER OPEN

16 gauge Frame and Hinged Locking Cover (Cover opens full 180°)



TOP VIEW



FRONT VIEW

NOTES:

1. Recommended wall opening 3 3/16(83) x 8 1/2(215).
2. When ordering specify wall thickness in 1(25) increments as follows 4,5,6 24.
3. All Jay R. Smith hydrants are manufactured with "NO LEAD" brazing rings and USDA approved lubricants.
4. When wall clamp -WC is specified increase the wall thickness dimension by 2(51).
5. Add 3/4(19) to overall length when specified.
6. When specifying the -SAP mild climate the wall thickness shall be 3(76).
7. Dimensions shown in parentheses are in millimeters.
8. The AB1953, California Lead Law, and NSF/ANSI Standard 61-2008 - Drinking Water Systems Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
9. Add 3/8(10) when optional box face material is specified.
10. An additional inlet isolation or shut-off valve is usually unneeded with this hydrant, but if required it should be mounted (10) feet or more from the hydrant inlet.
11. Working Pressure: 25.0 psi to 125.0 psi (172.4 kPa to 861.9 kPa)
12. Temperature Range: 33.0°F to 140.0°F (0.6°C to 60.0 °C).
13. This ASSE 1019 device shall not be subjected to more than twelve (12) hours of continuous water pressure.
14. **FOR IRRIGATION PURPOSES ONLY.**

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

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.

REGULARLY FURNISHED:

Bronze Quarter Turn Non-Freeze Automatic Draining Hydrant with Stainless Steel Face, Hose Connection, Integral Vacuum Breaker, Integral Service Shut-Off Valve, Dual Check Valve, "T" Handle Key and Stainless Steel Box with Full 180° Cover Opening.

VARIATIONS:

- Adjustable Wall Clamp -WC (Note 4)
- 1" Hose Connection -HC1
- 1" Male NPT Inlet
- Connection -IC1 (Note 5)
- Mild Climate -SAP (Note 6)
- Cylinder Lock -CL
- Wheel Handle -WH

OPTIONAL MATERIALS:

- Polished Bronze Box Face -PB
- Nickel Bronze Box Face -NB
- Rough Bronze Box Face -RB
- Chrome Plated Box Face -CP

PATENT NO. 8,973,599

REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
							5515



GUARDIAN PLUS DUAL CHECK WALL HYDRANT PARTS LIST

DRAWING NUMBER
s5515BS

SIZE
A

SCALE:
NONE

DATE:
11-29-11

APPROVED BY:
CL

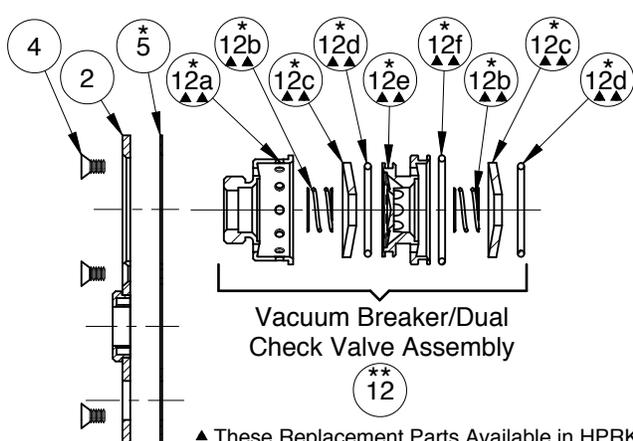
CHECKED BY:
CL

DRAWN BY:
TBW

FIGURE NUMBER
5515BS

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

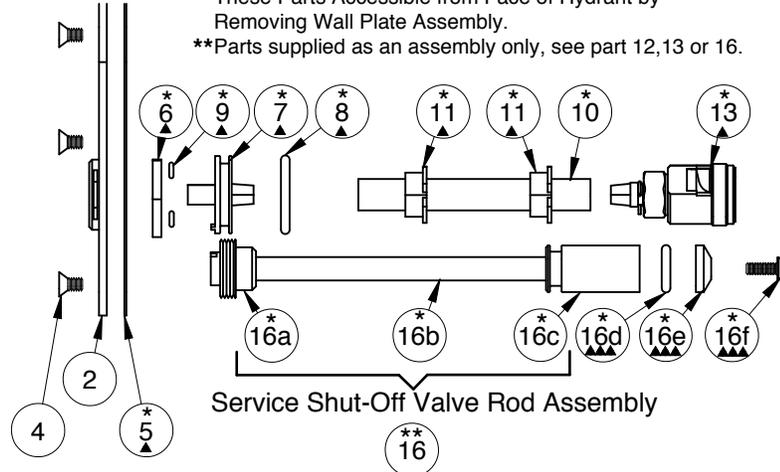
DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE



Vacuum Breaker/Dual Check Valve Assembly

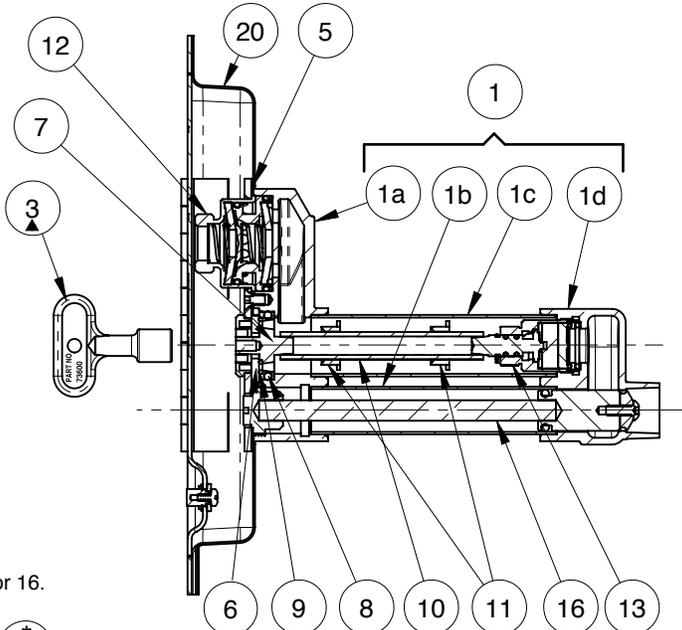
12

- ▲ These Replacement Parts Available in HPRK-15
- ▲▲ These Replacement Parts Available in HPRK-19VB
- ▲▲▲ These Replacement Parts Available in HPRK-15SV
- *These Parts Accessible from Face of Hydrant by Removing Wall Plate Assembly.
- **Parts supplied as an assembly only, see part 12,13 or 16.



Service Shut-Off Valve Rod Assembly

16



Actuator Cartridge Assembly

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	9	Drain Hole Seal (2)	13a	**Retaining Ring	16	Service Valve Rod Assembly
1a	Head	10	Operator Rod	13b	**Valve Body	16a	**Service Valve Operator
1b	Casing	11	Operator Rod Guides (2)	13c	**Actuator O-Ring (2)	16b	**Service Valve Rod
1c	Casing	12	Vacuum Breaker/Dual Check Valve Assembly	13d	**Valve Actuator	16c	**Service Valve Plunger
1d	Valve Housing	12a	**Vacuum Breaker Housing	13e	**Nylon Thrust Washer	16d	Service Valve O-Ring
2	Wall Plate Assembly	12b	**Spring (2)	13f	**Rotating Ceramic Disc	16e	Service Valve Conical Washer
3	Key	12c	**Cone Washer (2)	13g	**Fixed Ceramic Disc	16f	Service Valve Washer Screw
4	Wall Plate Securing Screw (5)	12d	**Small O-Ring	13h	**O-Ring	20	Box Assembly
5	Wall Plate Gasket	12e	**Flow Diverter	13j	**O-Ring Gasket Retainer		
6	Stationary Operator Piece	12f	**Large O-Ring	13k	**Rubber Seal		
7	Moveable Operator Piece	13	Actuator Cartridge Assembly				
8	Moveable Operator O-Ring						

D	7-19-16	Added Note	TBW	BW	WEIGHT	VOLUME	FIGURE NUMBER
C	4-23-14	Rev. Note	TBW	CL	POUNDS	CUBIC FEET	5515BS
B	3-20-12	Rev. Drawing, Parts List	TBW	CL			
A	2-21-12	Rev. Title	TBW	CL			
REV.	DATE	DESCRIPTION	BY	CKD. BY			