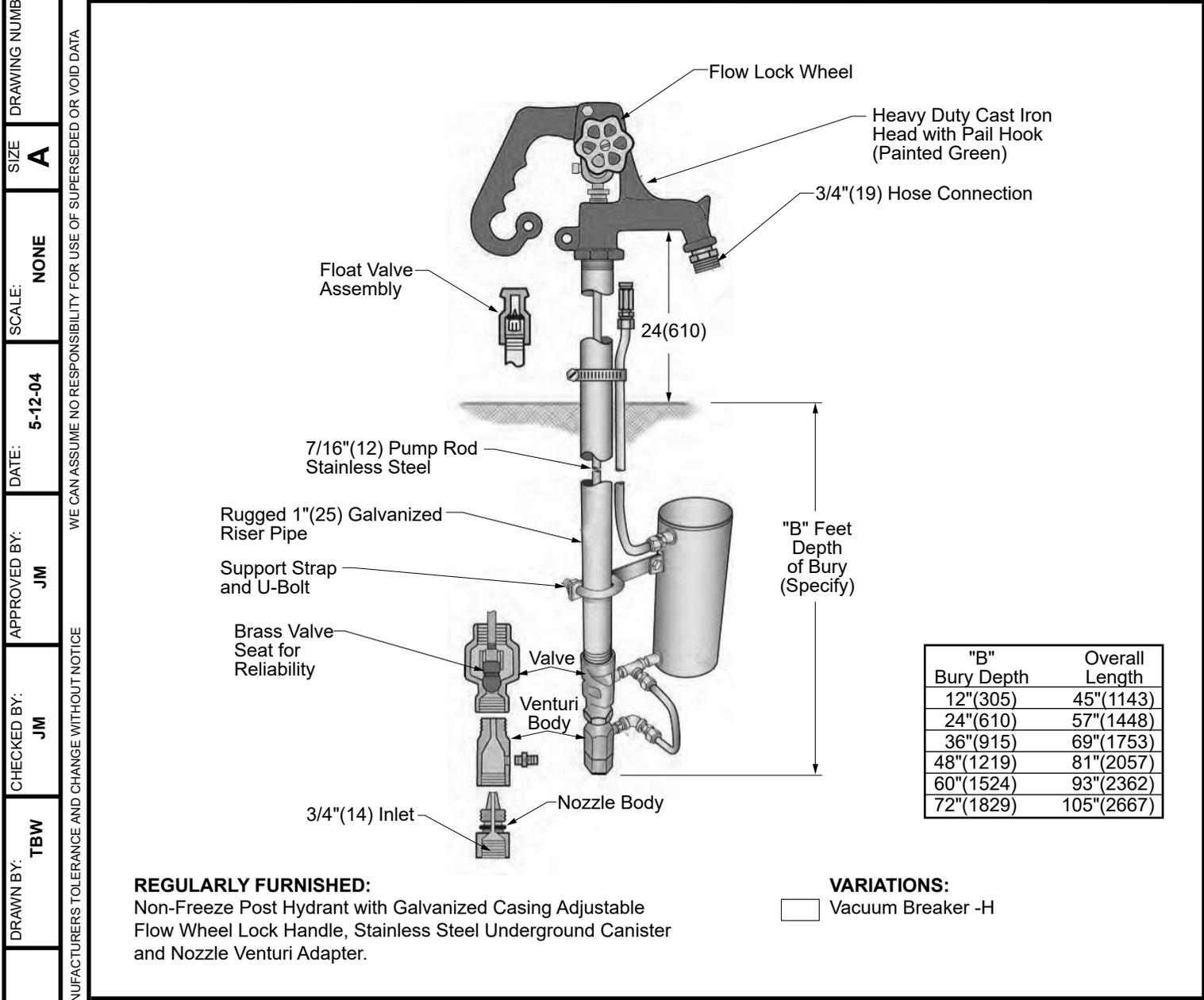


NON-FREEZE SANITARY POST/YARD HYDRANT



NOTES:

- 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.
- 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.
- Dimensions shown in parentheses are in millimeters.
- FOR IRRIGATION PURPOSES ONLY.**
- Temperature Range: 33.0°F to 140.0°F (0.6°C to 60.0°C).

(See back of sheet for parts list)

5904	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">N</td> <td style="width: 10%;">2-4-25</td> <td style="width: 40%;">Revised Notes</td> <td style="width: 10%;">HS</td> <td style="width: 10%;">BW</td> </tr> <tr> <td>L</td> <td>10-22-24</td> <td>Revised Notes</td> <td>HS</td> <td>CL</td> </tr> <tr> <td>K</td> <td>8-4-23</td> <td>Removed Function</td> <td>HS</td> <td>CL</td> </tr> <tr> <td></td> <td>3-22-23</td> <td>Revised Note 2</td> <td>KK</td> <td>JT</td> </tr> </table>	N	2-4-25	Revised Notes	HS	BW	L	10-22-24	Revised Notes	HS	CL	K	8-4-23	Removed Function	HS	CL		3-22-23	Revised Note 2	KK	JT	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">WEIGHT POUNDS</td> <td style="width: 50%;">VOLUME CUBIC FEET</td> </tr> <tr> <td style="height: 20px;"> </td> <td style="height: 20px;"> </td> </tr> </table>	WEIGHT POUNDS	VOLUME CUBIC FEET			FIGURE NUMBER	5904
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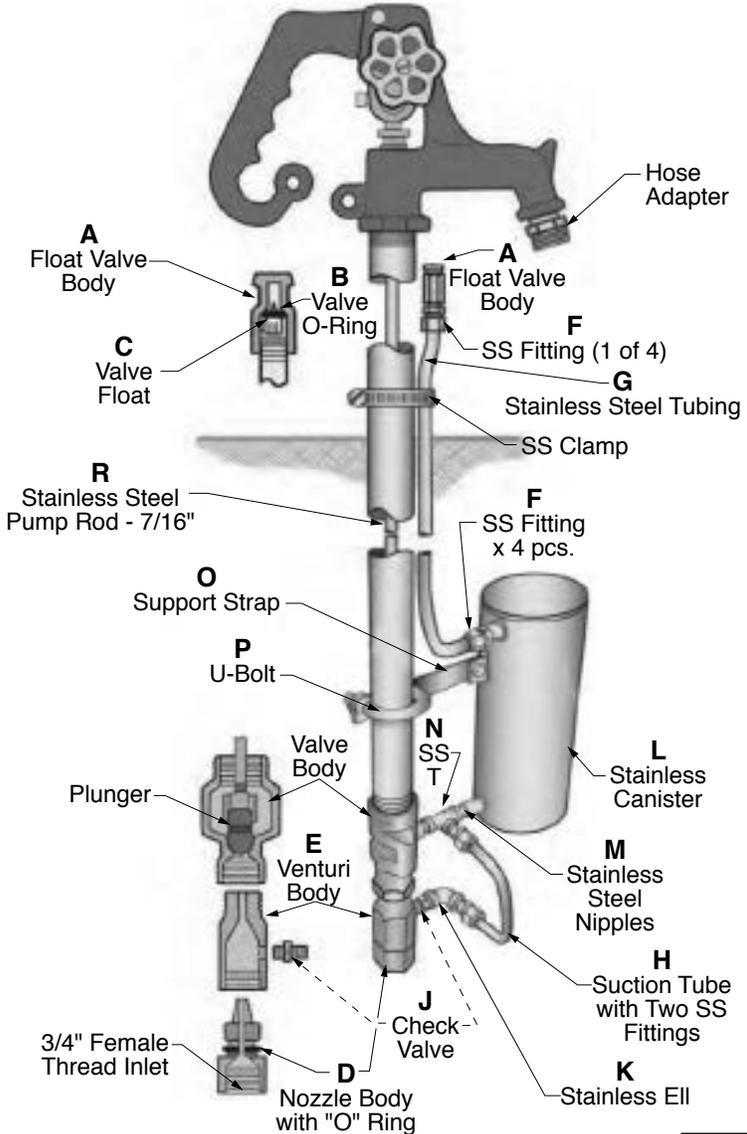
NON-FREEZE SANITARY POST/YARD HYDRANT

OPERATION: The hydrant incorporates a nozzle-venturi adaptor (located above ground for serviceability), and a stainless steel underground canister. When the hydrant is turned off, the plunger seals against the valve seat and stops the flow. The remaining water in the casing (riser) drains back into the canister which is buried below the frost level. When the hydrant is activated, flow through the nozzle creates a vacuum which empties the canister through the venturi adapter at the nozzle. Upon activating, hydrant should be discharged fully open a minimum of 30 seconds. Since the hydrant drains into a sealed canister and not into the ground through a drainage outlet, the water never comes in contact with the soil. This avoids possible contamination of the water supply. Minimum operating line pressure should be 25 psi for proper operation.

SPECIAL INSTRUCTIONS: The brass packing nut located on the head of the sanitary post/yard hydrant has been factory adjusted. If leakage should occur upon installation or after usage, it may be necessary to slightly tighten the brass packing nut.

"CAUTION": Do not overtighten the brass packing nut. Damage will occur to the inner O-rings. Do not leave hose attached in freezing temperatures as it may prevent proper drainage of the riser pipe to the canister. To prevent unauthorized use, the handle can be locked by inserting padlock into holes provided in handle and head.

DRAWING NUMBER: S5904BS
 SIZE: A
 SCALE: NONE
 DATE: 5-12-04
 APPROVED BY: JIM
 CHECKED BY: JIM
 DRAWN BY: TBW
 FIGURE NUMBER: 5904BS
 DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE
 WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA



Sanitary Yard Hydrant Parts

Ref.	Name of Part
A	Valve Float Body
B	O-Ring for Valve
C	Valve Float
D	Nozzle
E	Venturi
F	3/8 x 1/8NPT x 4 Fittings 3-Pc. Compression Fitting
G	3/8" Stainless Steel Tubing
R	7/16" Stainless Steel pump Rod
H	Suction Tube
J	Check Valve
K	1/8" Stainless Steel Ell
L	Stainless Steel Canister
M	1/8" Stainless Steel Nipple
N	1/8" Stainless Steel Tee
O	Support Strap
P	U-Bolt

REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
D C B A	2-11-15 12-18-14 9-10-13 6-8-12	Revised Operation Revised Text Rev. Instructions, Hydrant Parts Rev. Drawing, Table	TBW TBW TBW TBW	CL CL CL CL			5904BS