

**M-3904 NON-FREEZE SANITARY POST/YARD HYDRANT**

**FUNCTION:** Used where an above ground water outlet is required in areas which are subject to freezing temperatures and where water is not allowed to drain from the casing into the ground. Freezing is prevented by burying the valve housing below the frost line and draining water from the casing after shut-off into the sealed canister. The hydrant is engineered to be fully self contained and easily serviced in the field.

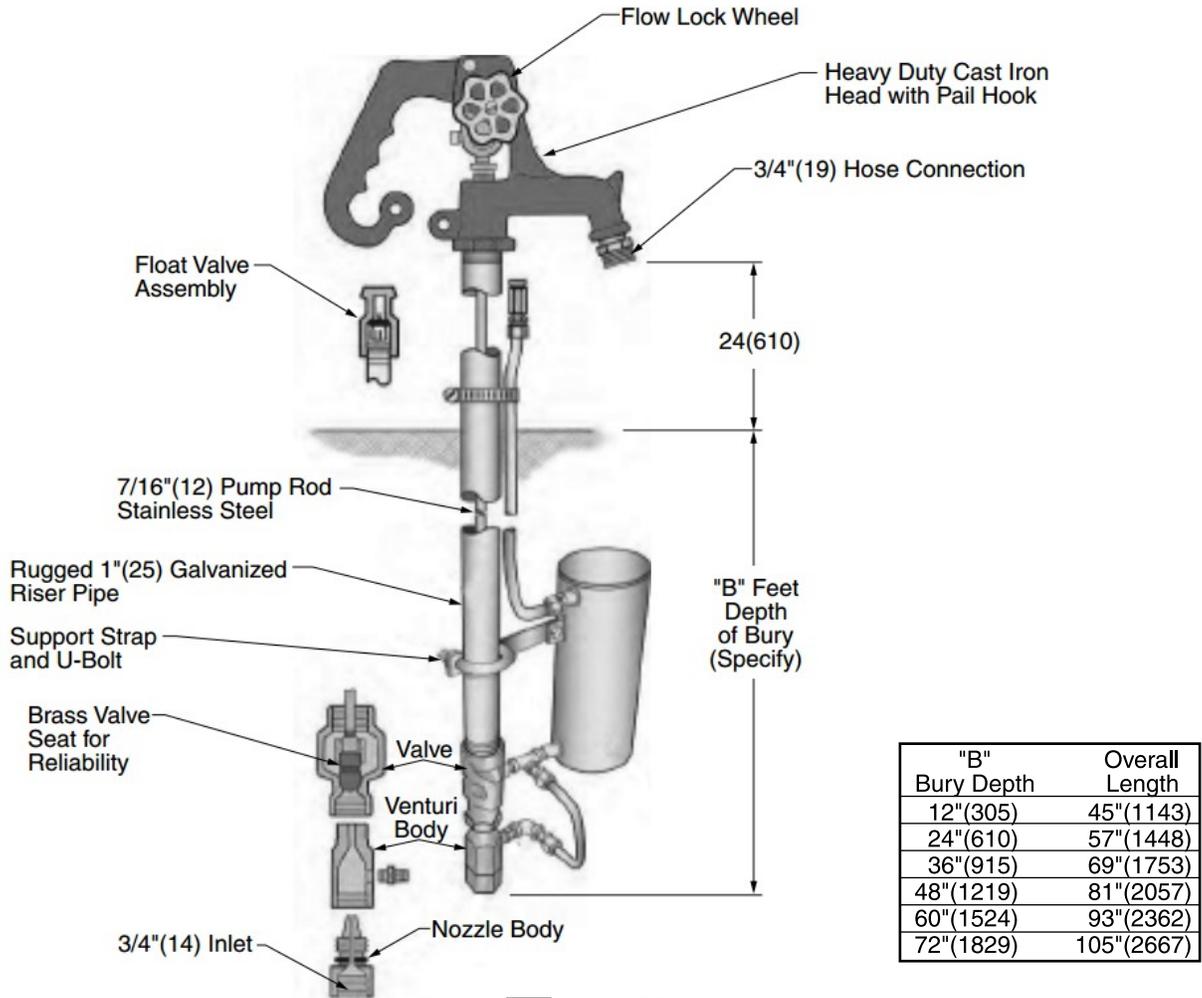


FIG. M-3904

**REGULARLY FURNISHED:**

Non-Freeze Post Hydrant with Galvanized Casing Adjustable Flow Wheel Lock Handle, Stainless Steel Underground Cannister and Nozzle with Venturi Adapter.

**VARIATIONS:**

Vacuum Breaker -H

**NOTES:**

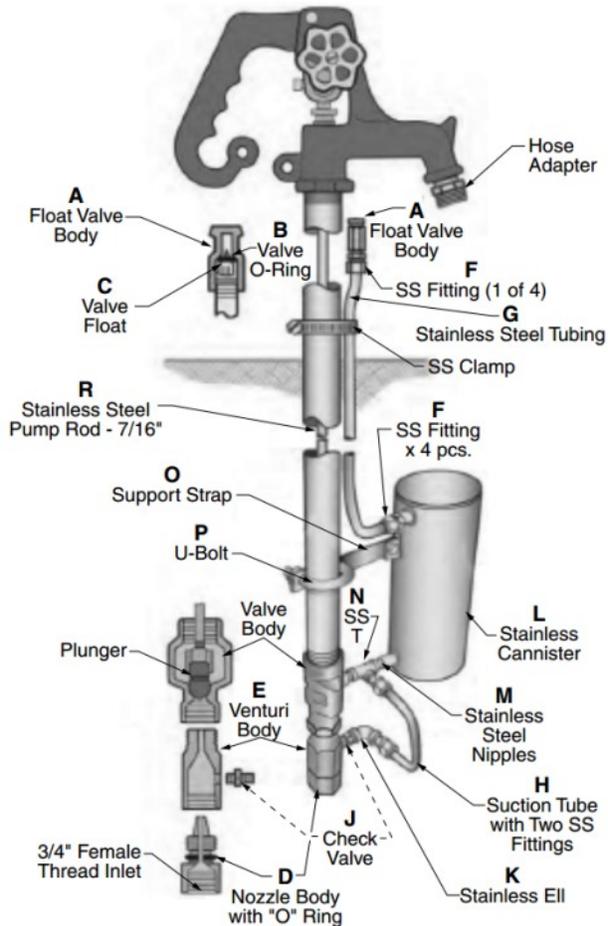
1. Addition of vacuum breaker will not allow draining of the casing. Not responsible for any casings that burst or related incidents if the hydrant is supplied with a vacuum breaker.
2. The AB1953, California Lead Law, and NSF/ANSI Standard 61-2008 - Drinking Water System Components are not applicable to hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
3. Do not leave hose attached in freezing temperatures as it may prevent proper drainage of the shut-off valve/casing.
4. Dimensions shown in parentheses are in millimeters.
5. FOR IRRIGATION PURPOSES ONLY

**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**Hydrant Part List**

NON-FREEZE  
SANITARY POST  
YARD HYDRANT

*Sanitary Yard  
Hydrant Parts*



Ref.	Name of Part
A	Valve Float Body
B	O-Ring for Valve
C	Valve Float
D	Nozzle
E	Venturi / Hose Adapter
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 Cannister
M	1/8" Stainless Steel Nipple
N	1/8" Stainless Steel Tee
O	Support Strap
P	U-Bolt

**OPERATION:** The hydrant incorporates a nozzle-venturi adaptor (located above ground for serviceability), and a stainless steel underground cannister. 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 cannister which is buried below the frost level. When the hydrant is activated, flow through the nozzle creates a vacuum which empties the cannister through the venturi adapter at the nozzle. Since the hydrant drains into a sealed cannister 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.

**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 over tighten 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.

<b>SELECTION SUMMARY &amp; APPROVAL FOR MANUFACTURING</b>	Model Number & Options _____	Quantity _____	All dimensions are subject to manufactures tolerance of plus or minus 1/2" nominal and subject to change without notice. Murdock assumes no responsibility for use of void or superseded data. Dimensions may change with the addition of optional accessories. Murdock Mfg.™, Member of Morris Group International™. Please visit <a href="http://www.murdockmfg.com">www.murdockmfg.com</a> for most current specifications.
	Company _____		
	Contact _____	Title _____	
	Signature (Approval for Manufacturing) _____	Date _____	