

NON-FREEZE POST HYDRANT



Approval Date

Customer Approval

Job Location

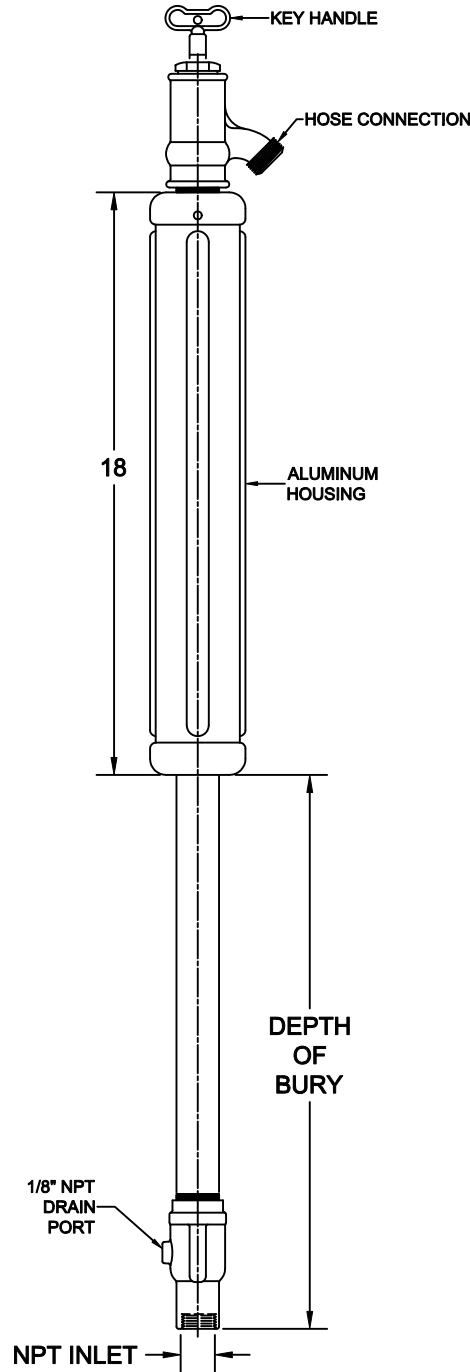
Job Name

Wade Division / Tyler Pipe Assumes No Responsibility For Superseded or Voided Data

Dimensional Data (Inches/mm) are Subject to Manufacturers Tolerance and Change Without Notice.

8610

NON-FREEZE POST HYDRANT WITH BRONZE INTERIOR PARTS, KEY OPERATOR, IPS THREADED INLET, BRONZE CASING, NEOPRENE PLUNGER AND CAST ALUMINUM HOUSING.



OPTIONS

Catalog No.	Hose Size	'L' (Length)	Suffix	Description
<input type="checkbox"/> 8610-L2	3/4 (19)	2' (610)	<input type="checkbox"/> 97	1" INLET / HOSE CONNECTION
<input type="checkbox"/> 8610-L3	3/4 (19)	3' (914)	<input type="checkbox"/> 98	1-1/4" INLET / HOSE CONNECTION
<input type="checkbox"/> 8610-L4	3/4 (19)	4' (1219)	<input type="checkbox"/> 99	1-1/2" INLET / HOSE CONNECTION
<input type="checkbox"/> 8610-L5	3/4 (19)	5' (1524)	<input type="checkbox"/> 100	2" INLET / HOSE CONNECTION
<input type="checkbox"/> 8610-L6	3/4 (19)	6' (1829)		

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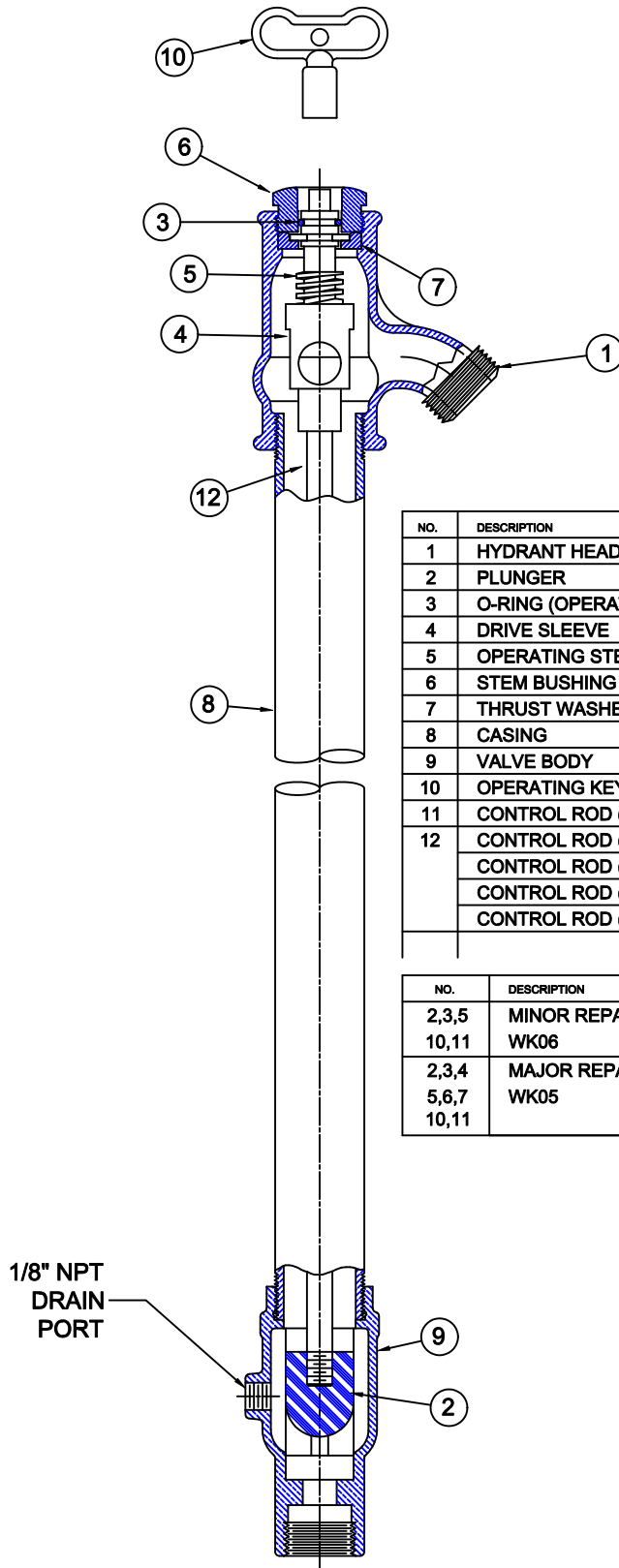
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NO.	DESCRIPTION
1	HYDRANT HEAD
2	PLUNGER
3	O-RING (OPERATING STEM)
4	DRIVE SLEEVE
5	OPERATING STEM
6	STEM BUSHING NUT
7	THRUST WASHER
8	CASING
9	VALVE BODY
10	OPERATING KEY
11	CONTROL ROD (L2)
12	CONTROL ROD (L3)
	CONTROL ROD (L4)
	CONTROL ROD (L5)
	CONTROL ROD (L6)

NO.	DESCRIPTION	UPC 670610
2,3,5	MINOR REPAIR KIT	362142
10,11	WK06	
2,3,4	MAJOR REPAIR KIT	230731
5,6,7	WK05	
10,11		

1/8" NPT DRAIN PORT

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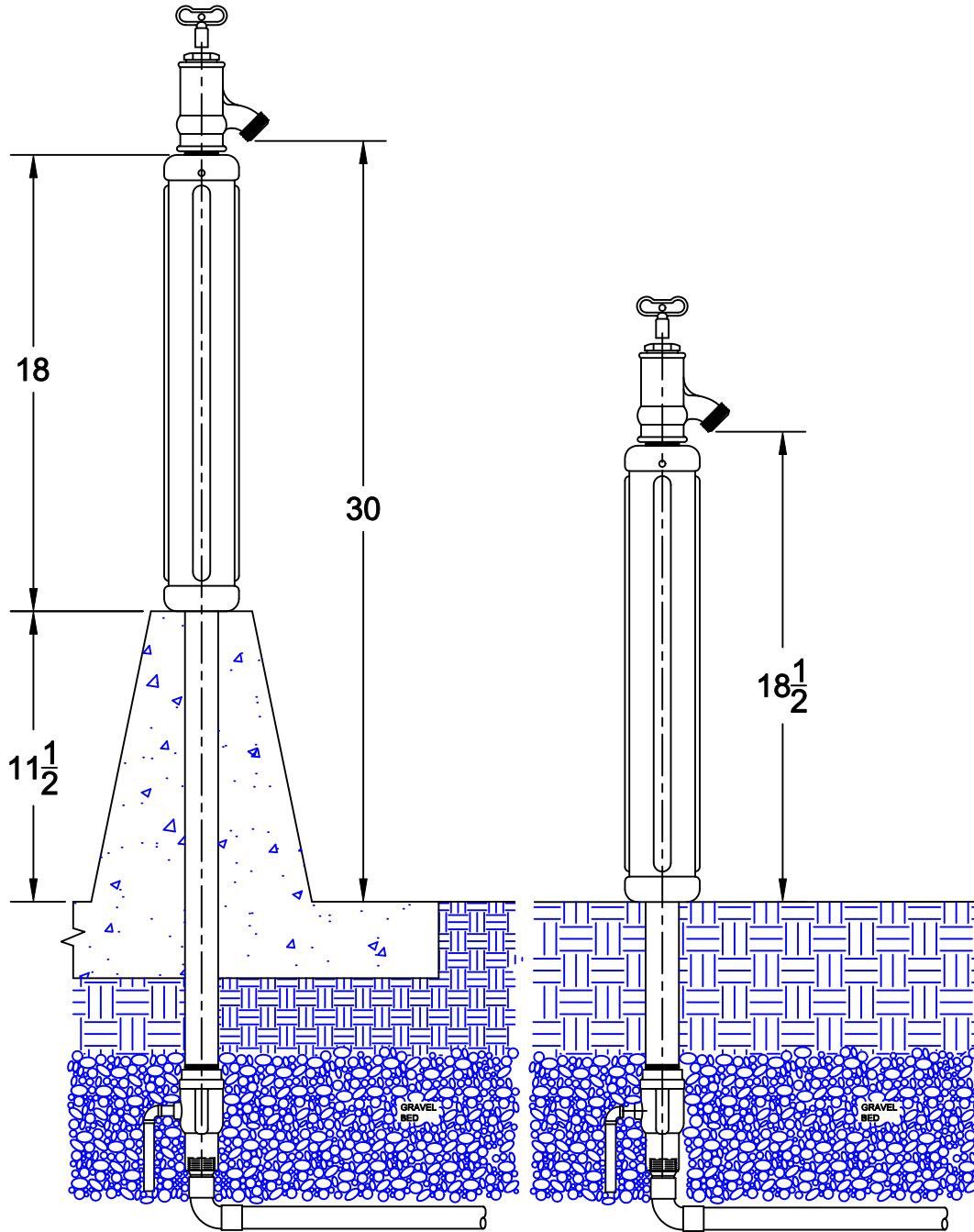
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The Wade 8610 post hydrant features an aluminum housing designed for aesthetic appeal. In the off position the plunger is seated in the valve body clearing the drain port to permit drainage into the gravel bed surrounding the tailpiece. The drain port is tapped for 1/8" NPT drain piping connection by others. When the hydrant is turned on, the plunger raises to seal off the drain port and allows full flow to the hose connection. The hydrant can be installed with the housing at ground level, or if installed in areas subject to traffic, a concrete mounting base is recommended.

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Troubleshooting Guide

PROBLEM	CAUSE	SOLUTION
Hydrant will not operate when turned on	Water supply is off	Turn water supply on
Cannot turn the hydrant on with the key	Hydrant has not been operated for a log period - O-ring has adhered to stem and head	See service guide steps 1-2, 4-5 and 8-10
Water sprays from around the key operator when the hydrant is on	Operating coupling o-ring is damaged	See service guide steps 1-4
Hydrant will not shut off completely	Plunger assembly is loose or damaged	See service guide steps 1-4
Hydrant has low flow	Water supply to the hydrant is restricted	Check water supply to ensure that all upstream valves are fully open

Service Guide

Step 1: Shut Off Water Supply to Hydrant.

Locate the supply shut-off valve and actuate until water supply is off.

Step 2: Removing Internal Components

Use a wrench of appropriate size to remove the stem bushing nut by turning counterclockwise.

With a key operator, turn the drive screw 3 to 4 turns clockwise to let the drive screw assembly protrude slightly from the hydrant face. Using (2) screwdrivers or visegrip pliers, pull to release the internal operating assembly.

Step 3: Replacing Operating Stem and Internal Seals

Unscrew the plunger assembly from the operating rod. Screw a new plunger or cartridge assembly onto the rod.

Reassemble the drive screw, drive sleeve, operating rod, plunger.

Insert assembly into the hydrant with the square drive sleeve aligned with its square bore.

Unscrew the drive screw from the sleeve and install the nylon thrust washer / seal and stem bushing nut.

Operate the hydrant fully open and closed to check for normal operation.

Step 4: Turn On the Water Supply

Locate the water supply valve and actuate open. Open and close the hydrant to ensure it works correctly.

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