

GROUND BOX HYDRANT



Approval Date

Customer Approval

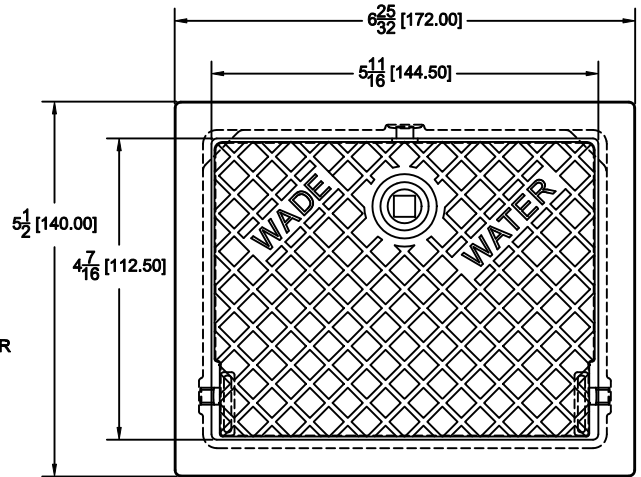
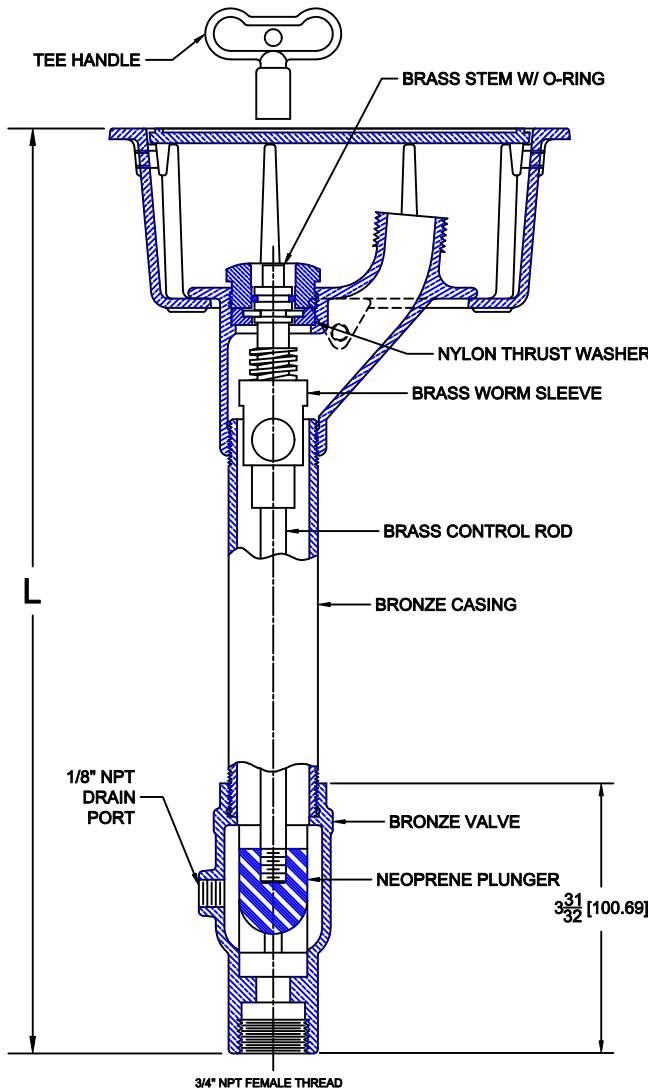
Job Location

Job Name

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

8602

NON-FREEZE GROUND BOX HYDRANT WITH ALL BRONZE INTERNAL PARTS, BRONZE CASING, SATIN FINISH NICKEL BRONZE BOX WITH SCORIATED HINGED LID, 3/4" (19) NPT PIPE THREAD INLET, TEE HANDLE KEY AND 1/8" NPT THREADED DRAIN PORT.



Catalog No.	Hose Size	'L' (Length)
<input type="checkbox"/> 8610-L2	3/4 (19)	2' (610)
<input type="checkbox"/> 8610-L3	3/4 (19)	3' (914)
<input type="checkbox"/> 8610-L4	3/4 (19)	4' (1219)
<input type="checkbox"/> 8610-L5	3/4 (19)	5' (1524)
<input type="checkbox"/> 8610-L6	3/4 (19)	6' (1829)
<input type="checkbox"/> 8602-L7	3/4 (19)	7' (2134)

OPTIONS

Suffix	Description
<input type="checkbox"/> 89	VACUUM BREAKER W/ DEEP BOX

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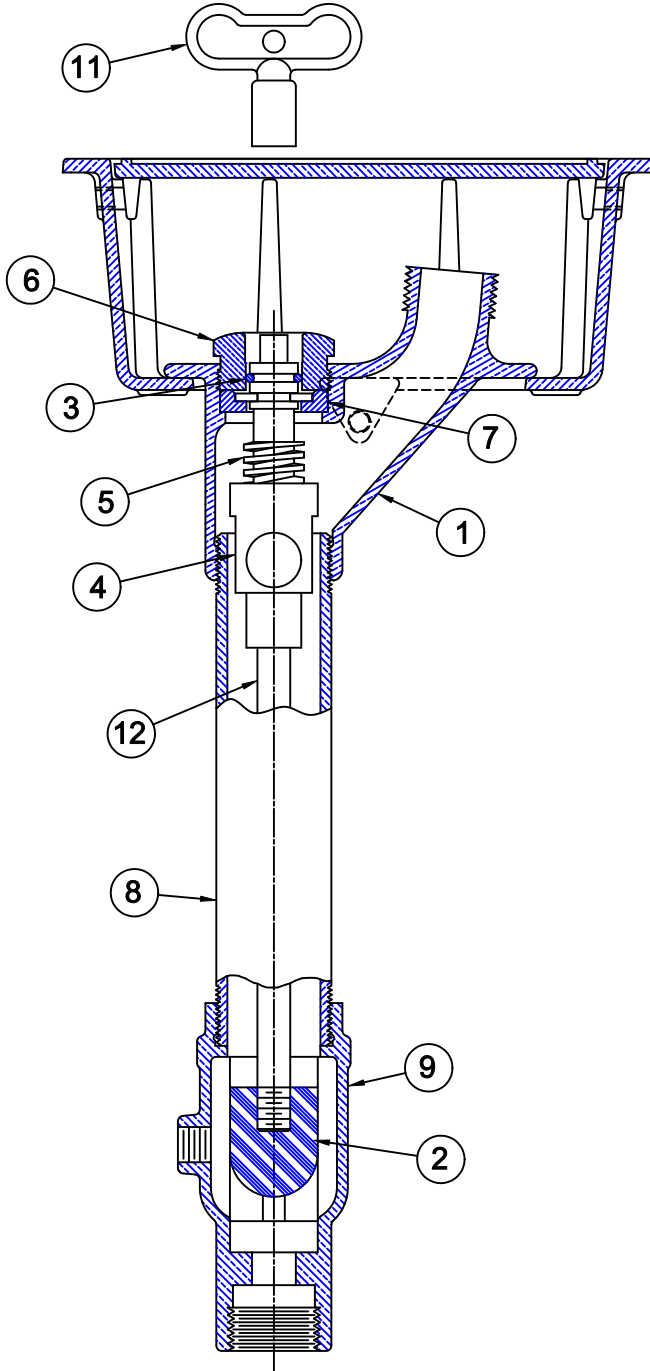
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NO.	DESCRIPTION
1	HYDRANT HEAD
2	PLUNGER
3	O-RING (OPERATING STEM)
4	DRIVE SLEEVE
5	OPERATING STEM
6	STEM BUSHING NUT
7	THRUST WASHER
8	CASING
9	VALVE BODY
10	OPERATING KEY
11	CONTROL ROD (L2)
	CONTROL ROD (L3)
	CONTROL ROD (L4)
	CONTROL ROD (L5)
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

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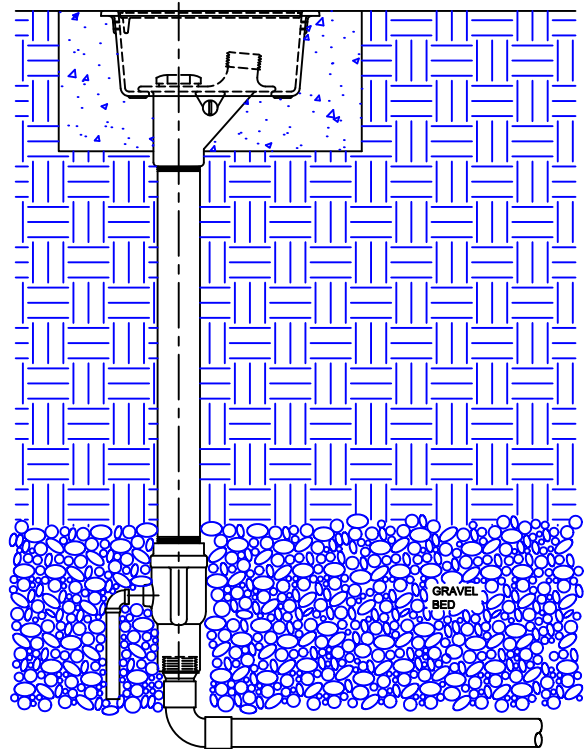
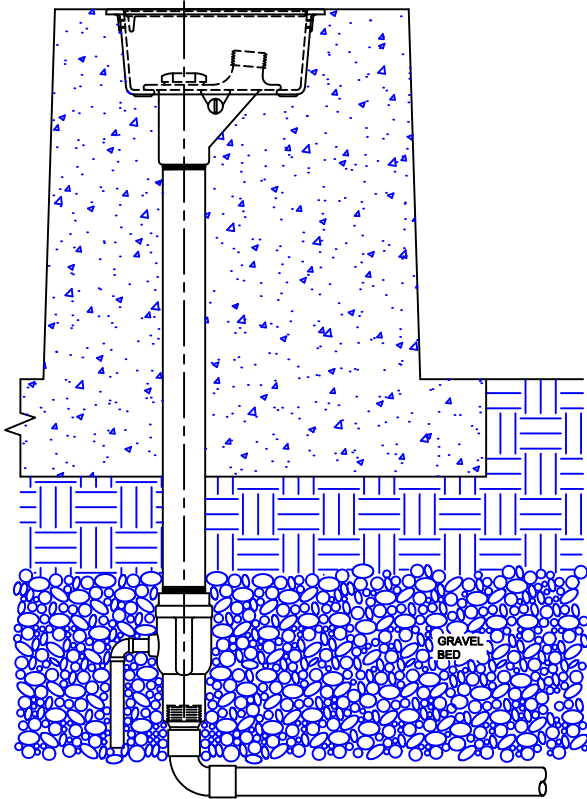
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The Wade 8602 ground hydrant provides a non-freeze water supply in any type of commercial, recreational, industrial or residential application. The box with a key operated lid prevents unwanted usage or vandalism. The tee handle key opens the box and operates the hydrant. 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 box at ground level, or if installed in areas subject to traffic, a concrete mounting base can be utilized.

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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 long 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 vise-grip 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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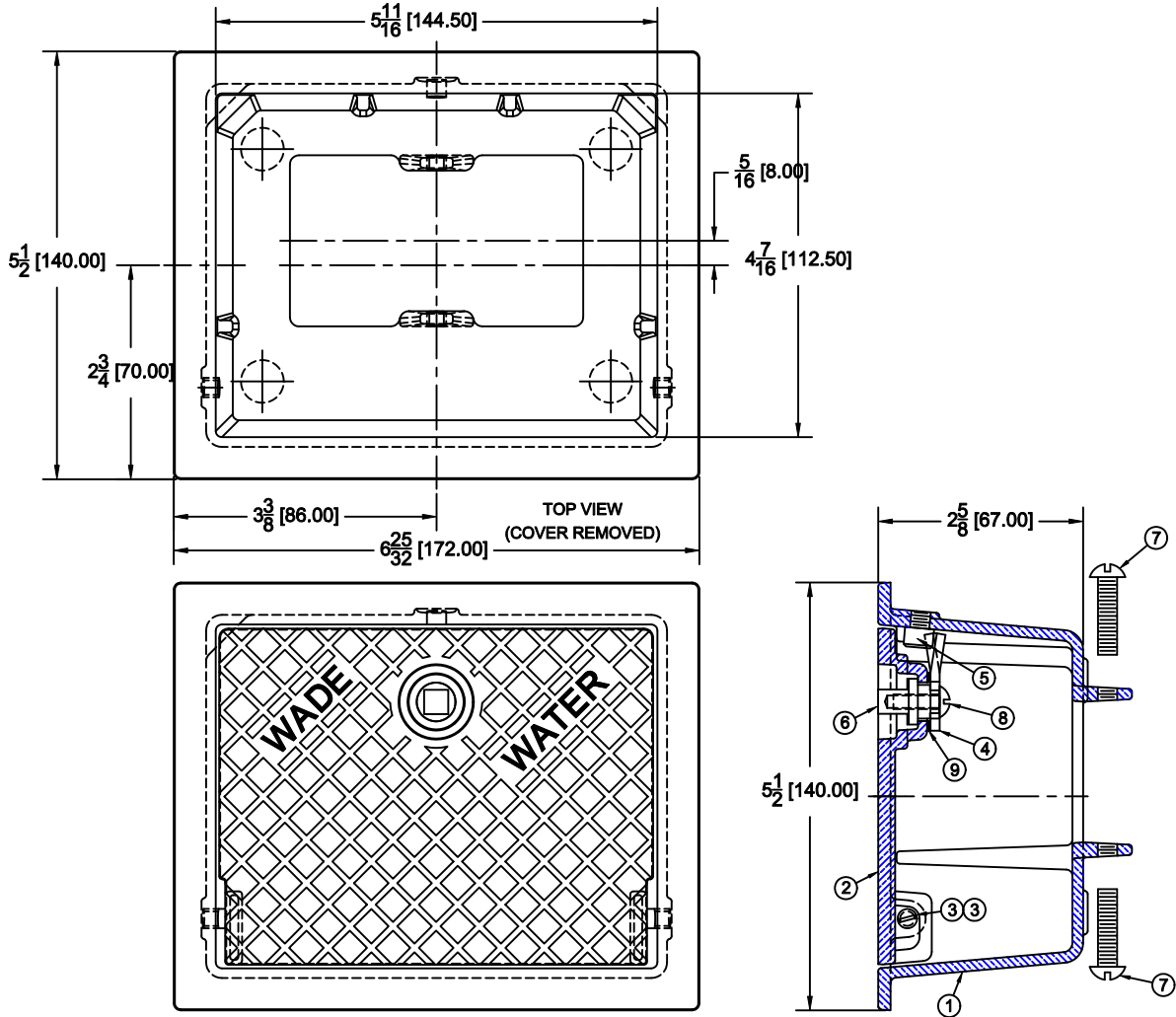
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ITEM	QTY	DESCRIPTION	UPC (670610)	PART NO.
1	1	BOX (NICKEL BRONZE)	446903	8600-B2
2	1	LID (NICKEL BRONZE)	446910	8600-C2
3	2	HINGE PIN (BRASS)	232308	HD-9082-C
4	1	LATCH PAWL	429241	HD-2236-B
5	1	CATCH SCREW (BRASS)	232452	HD-9080-A
6	1	LATCH STEM (BRASS)	232278	HD-9081-B
7	2	BRASS SCREW 1/4-20NC x 1" LONG	226321	BD-32R
8	2	BRASS SCREW 10-24NC x 1/2" LONG	232292	HD-9511-B
9	2	PLASTIC WASHER	232285	HD-2236-A

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