



Z1349 Trouble-shooting Guide

PROBLEM	CAUSE	SOLUTION
Hydrant will not operate when turned on	Water supply is shut off to the hydrant	Turn on water supply
	Water supply is shut off at the hydrant head	Turn on water supply
Cannot turn the hydrant on with key	Hydrant hasn't been used for a long time – "O" ring has adhered to operating plunger and head	Follow steps 1-6 of the Service Guide and lubricate "O" ring as in step 4
Cannot shut the water off at the hydrant head shut off (shut off will not turn)	Hydrant hasn't been used for a long time – "O" ring has adhered to stop plunger and head	Follow steps 7, 2, 8, 9, 5 and 10 of the Service Guide and lubricate "O" ring as in step 9
Water does not shut completely off when hydrant is turned off with key	Teflon washer is worn out	Follow steps 1-6 of the Service Guide
Water does not shut completely off when hydrant is turned off with key and the hydrant head shut off	Teflon washers are worn out	Follow steps 7, 2-4, 8, 9, 5 and 10 of the Service Guide
Hydrant exhibits low flow	Water supply to hydrant is restricted	Check water supply to ensure that all upstream valves are fully open

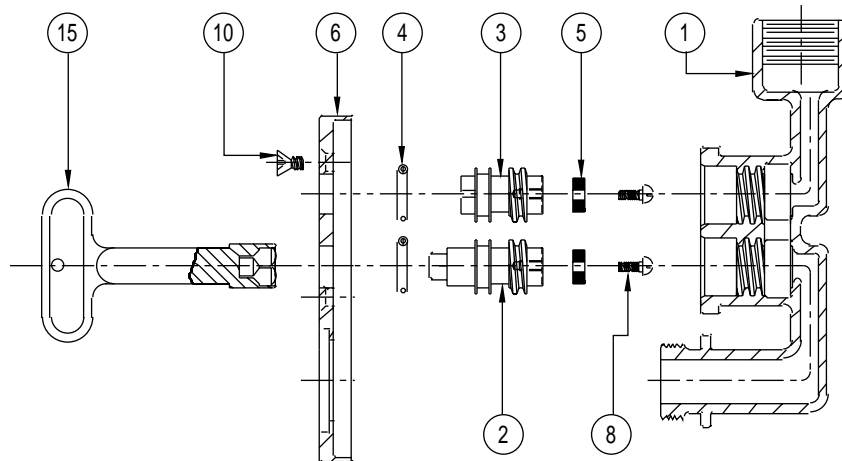
Z1349 Narrow Wall Hydrant

Exposed • Moderate Climate

Maintenance and Service Instructions



The Zurn Hydrant has been engineered to provide reliable performance year after year. However, if servicing is required, it is recommended that you consult the trouble-shooting guide at the left. The trouble-shooting guide was developed to reduce maintenance time by providing the user with appropriate service instructions.



Step 1: Shutting Off the Water Supply at the Hydrant Head

Using a flat screwdriver, shut off the water supply by turning the stop plunger assembly (3) clockwise until the water supply is off.

Step 2: Removing the Faceplate and Adjacent Components

Using 1/8 Allen wrench, remove the four faceplate screws (10) from head (1) by turning counter clock-wise. Remove the faceplate (6),

Step 3: Removing the Internal Operating Plunger Assembly

The internal operating plunger assembly (2, 4, 5 and 8) can be removed by using the key (15) on the square end of the operating plunger (2) and turning counter clockwise until the operating plunger assembly (2) is unscrewed from head (1). Discard the operating plunger assembly

Step 4: Replacing the Operating Plunger Assembly

Insert the new operating plunger assembly (2) into the head (1), and using the key (15) turn clockwise until seated snug. (By hand only.) (Note: Lubricate the "O" Ring (4) with Lubriplate FGL-2 if needed).

Step 5: Replacing the Faceplate

Place the faceplate (6) onto head (1), and using the 1/8" Allen wrench and the four screws (10) rotate the screws clockwise until screws are snugged tight. (By hand only.)

Step 6: Turning on the Water Supply at the Hydrant Head

Using a flat screwdriver, turn on the water supply by turning the stop plunger assembly (3) counter clockwise until the water supply is on.

Step 7: Shutting off the Water Supply to the Hydrant

Locate the supply shut off valve and rotate until water supply is shut off.

Step 8: Removing the Internal Stop Plunger Assembly

The internal stop plunger assembly (3, 4, 5 and 8) can be removed by using a flat screwdriver and turning counter clockwise until the stop plunger assembly (3) is unscrewed from head (1). Discard the stop plunger assembly.

Step 9: Replacing the Stop Plunger Assembly

Insert the new stop plunger assembly (3) into the head (1), and using the flat screwdriver, turn clockwise until seated snug. (By hand only.) (Note: Lubricate the "O" Ring (4) with Lubriplate FGL-2 if needed.)

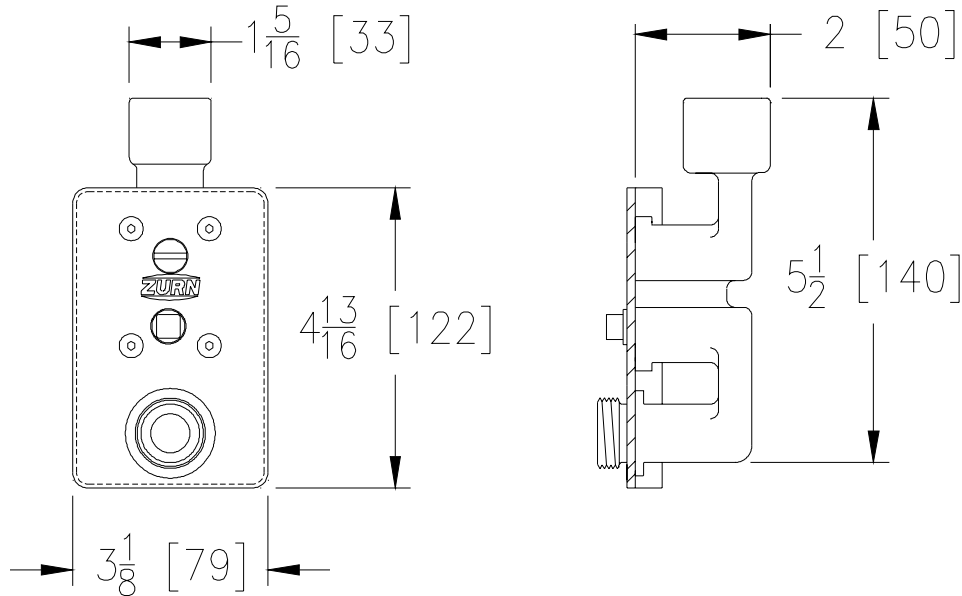
Step 10: Turning on the Water Supply to the Hydrant

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



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Dimensional Data (inches and [mm]) are Subject to Manufacturing Tolerances and Change Without Notice



Wall Thickness In Inches	Approx. Wt. Lbs. [kg]
N/A	2 [1]

ENGINEERING SPECIFICATION: Z1349 Exposed moderate climate, wall hydrant for narrow wall installation, complete with bronze body, all bronze interior parts, replaceable seat washer, screwdriver-operated stop valve in supply, key-operated control valve, 3/4 [19] female IP inlet connection standard, and 3/4 [19] male hose connection. Includes operating key.

OPTIONS (Check/specify appropriate options)

SUFFIXES

- ___ -34FS 3/4 [19] Female Solder Inlet Adapter
- ___ -34UN 3/4 [19] IP 90° Inlet Elbow with Union Nut
- ___ -VB 3/4 [19] Adapter Vacuum Breaker
- ___ -RK Hydrant Parts Repair Kit



Z1349 and Z1350 Narrow Wall Hydrants 3/4" Hose Connection

The information provided is presented in two ways; chart and graph form. Once the hydrant and proper hose connection is established, all of the information can be obtained through the corresponding graph.

Choose a Static Inlet Pressure on the graph. Next draw a vertical line from this point until an intersection is made with the curve. Drawing a horizontal line from this intersection to the left axis will give the corresponding Running Inlet Pressure. The values listed above the curve indicate the Pressure Drop Across the Unit, and the values below the curve list the Flow Rate of the unit.

Note: All data was collected with the hydrant opened to its full capacity.

Example: At a static pressure of 29 psi, it can be found that the running inlet pressure of the unit is approximately 24.4 psi. The flow rate of the unit is between 2.9 and 3.8 gpm (approximately 3.7 gpm) and the pressure drop across the unit is between 15.6 and 24.9 psi (approximately 24.0 psi).

Z1349 and Z1350 Narrow Wall Hydrants



Z1349, Z1350 Narrow Wall Hydrant – 3/4" Hose Connection				
Static Pressure (psi)	Running Inlet Pressure (psi)	Running Outlet Pressure (psi)	Flow Rate (gpm)	Pressure Drop Across Unit (psi)
10	6.3	0.1	1.5	6.2
20	15.8	0.2	2.9	15.6
30	25.3	0.4	3.8	24.9
40	34.9	0.6	4.6	34.2
50	43.4	0.9	5.1	42.5
60	52.1	1.2	5.7	51.0
70	63.9	1.5	6.3	62.4
80	72.6	1.7	6.7	70.9
90	81.4	1.9	7.1	79.5

