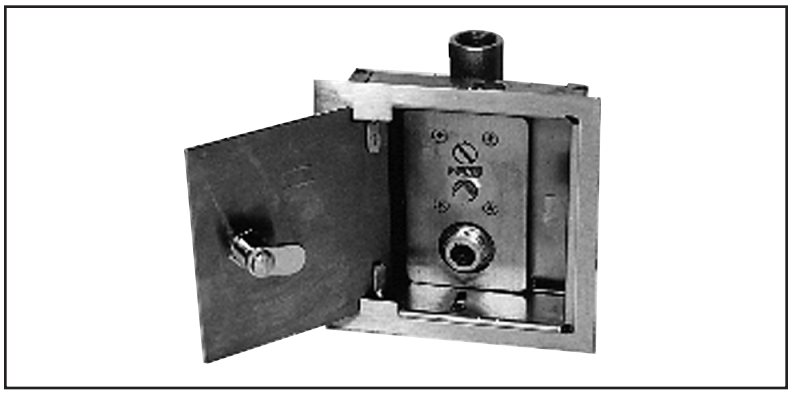
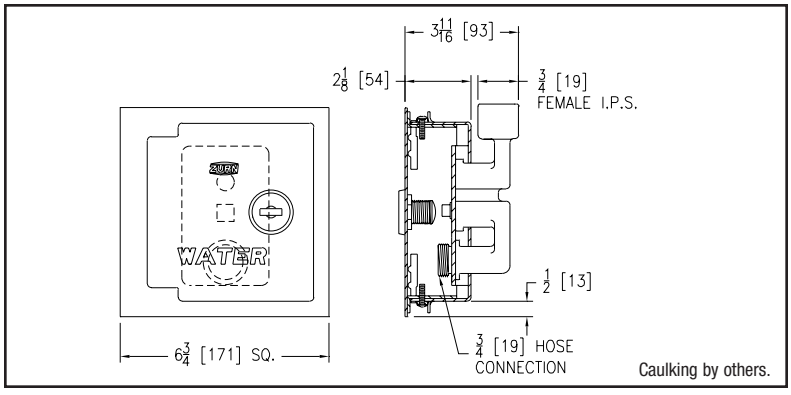
Z1350 NARROW WALL HYDRANT – Encased, Moderate Climate





ENGINEERING SPECIFICATION: ZURN Z1350 Encased 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, and 3/4" [19 mm] IP female inlet and 3/4" [19 mm] male hose connection standard. Stainless steel box and hinged cover with cylinder lock and "WATER" stamped on cover. **Note:** Caulking of inside joints by others.

Z1350 Narrow Wall Hydrant

The Z1350 is an encased moderate climate wall hydrant designed for narrow wall installation. This hydrant is ideal for commercial and multi-family apartments and thin wall construction.

Hydrant Features

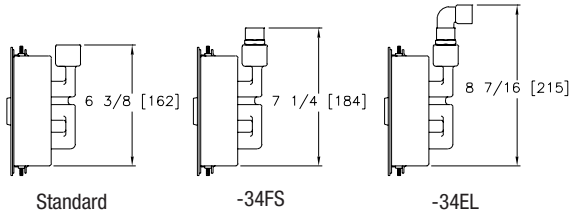
- ***Certification*** – IAPMO® listed.
- ***Stop Valve*** – Sealed, screwdriver-operated stop valve assembly with chrome-plated brass stem, O-Ring, and teflon washer provide positive shut-off to the hydrant operating valve with a maximum of one and one-quarter (1-1/4) turns.
- ***Control Valve*** – Key operated control valve assembly with chrome-plated brass stem, O-Ring, and teflon washer controls the water flow with a maximum of one and one-quarter (1-1/4) turns. No adjustments are necessary.
- ***Faceplate*** – Brass construction with polished finish.
- ***Box and Cover*** – Stainless steel box and hinged cover with "WATER" stamping.
- ***Approximate Shipping Weight*** – 4 lbs. [2 kg]
- ***Operating Pressures*** – Minimum running pressure 8 psi. Maximum static pressure 125 psi.
- ***Water Temperature Range*** – Minimum 33°F. Maximum 130°F.

OPTIONS

SUFFIXES

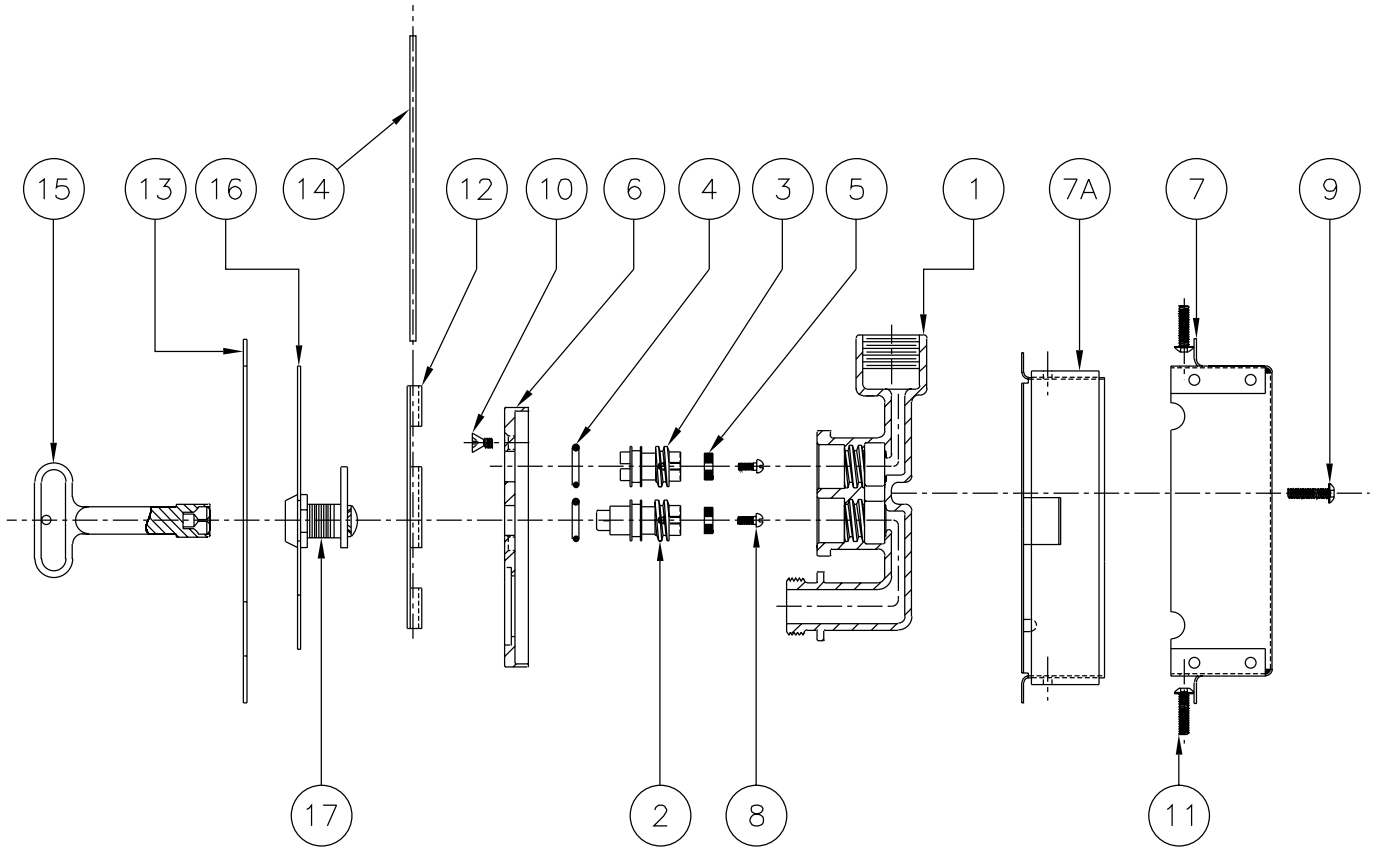
–RK Hydrant Parts Repair Kit
–VB 3/4" [19 mm] Adapter Vacuum Breaker
–34EL 3/4" [19 mm] 90° Inlet Elbow Adapter
–34FS 3/4" [19 mm] Solder Female Inlet Adapter

Inlet Descriptions



Z1350 NARROW WALL HYDRANT Parts Assembly and Parts List

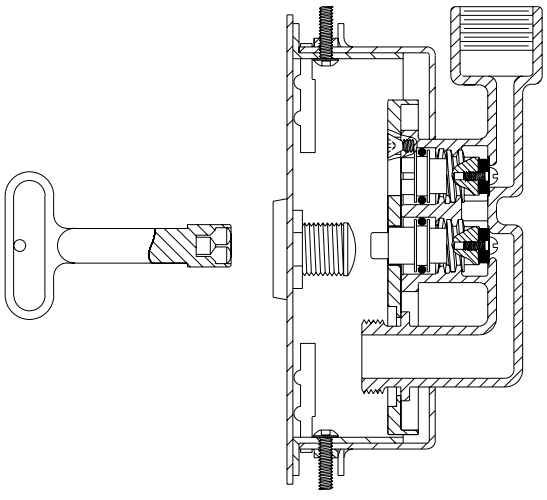
Z1350 Parts Assembly



Z1350 Parts List

Item	Description	Qty.	Part No.
1	Head	1	56488-001
*2	Operating Plunger	1	56512-001
*3	Stop Plunger	1	56512-002
*4	O-Ring	2	23750-313
*5	Teflon Washer	2	56513-001
6	Faceplate	1	56479-001
7	Body Bottom	1	56983-001
7A	Sleeve	1	56731-001
*8	Screw #6-32 NC	2	14853-016
9	Screw #10-24 NC	2	14853-041
10	Faceplate Screw	4	22698-047
11	Screw #10-24 NC	2	56988-002
12	Hinge Bracket	1	58482-001
13	Frame	1	56185-001
14	Hinge Pin	1	58483-001
*15	Key	1	59546-001
16	Cover	1	56187-006
17	Cylinder Lock Assembly	1	47153-001

*Items are available in -RK Repair Kit Option bag (#66955-208-9).



Z1350 NARROW WALL HYDRANT Troubleshooting Guide

Z1350 Troubleshooting 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 off completely when hydrant is turned off with key.	Teflon washer is worn out.	Follow steps 1-6 of the Service Guide.
Water does not shut off completely when hydrant is turned off with key and the hydrant head is 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.

Z1350 NARROW WALL HYDRANT Service Guide

Z1350 Service Guide

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 counterclockwise. 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 counterclockwise 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) counterclockwise 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 counterclockwise 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.

⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov
⚠ **ADVERTENCIA:** Cáncer y daño reproductivo - www.P65Warnings.ca.gov
⚠ **AVERTISSEMENT:** Cancer et effets néfastes sur la reproduction - www.P65Warnings.ca.gov

Z1350 NARROW WALL HYDRANT 3/4" Hose Connection Chart and Graph

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