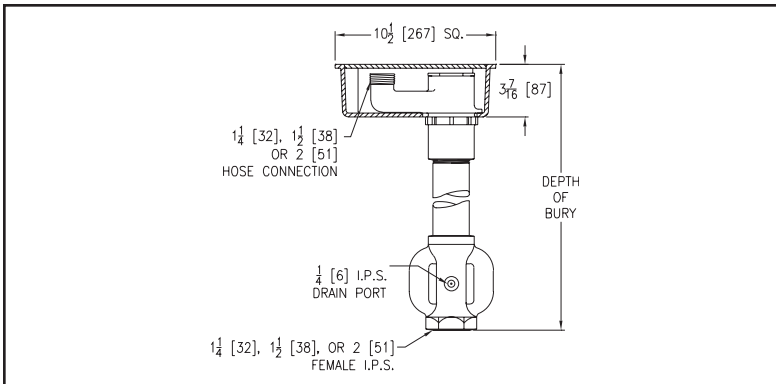


Z1365 GROUND HYDRANT – Encased, Flush Type, Non-Freeze



ENGINEERING SPECIFICATION: ZURN Z1365 Encased, non-freeze ground hydrant for flush with grade or finished floor installation. Complete with bronze casing, all bronze interior parts, bronze seat and replaceable seat washer, and non-turning operating rod with free-floating compression closure valve with 1-1/4" [32 mm], 1-1/2" [38 mm], or 2" [51 mm] connection. Dura-Coated cast iron box and hinged scoriated cover with operating "T" handle key lock and "WATER" cast on cover. Hydrant is equipped with a tapped 1/4" [6 mm] drain port in valve housing.

Depth of Bury Feet [mm]	2' [610]	3' [914]	4' [1219]	5' [1524]	6' [1829]	7' [2134]	8' [2438]
Approx. Weight Lbs. [Kg]	41 [19]	45 [20]	49 [22]	53 [24]	57 [26]	61 [28]	65 [29]

Z1365 Ground Hydrant

The Z1365 is an encased, non-freeze ground hydrant designed for applications such as parks, recreational areas, and industrial facilities.

Hydrant Features

- **Certification** – IAPMO® listed.
- **Valve Seat** – Removable bronze valve seat with circular seating surface.
- **Valve** – One-piece assembly, replaceable, free-floating compression closure valve plunger operates the water flow and drainage with a maximum of three and one-quarter (3-1/4) turns.
- **Casing** – Threaded brass pipe nipple.
- **Operating Screw** – Brass operating screw secured with polished brass face nut.
- **Operating Rod** – 1/2" [13 mm] solid brass.
- **Box and Cover** – Dura-Coated cast iron box and hinged, scoriated cover with "WATER" stamping.
- **Key** – Loose "T" handle key opens the box cover and operates the hydrant valve assembly.
- **Drainage** – Tapped, siphon-resistant drain port located in valve housing prevents sub-surface water contamination from entering the hydrant. **Important: Hydrant must be opened one complete turn to seal drain port during use.**
- **Depth of Bury** – Available from two (2) feet [610 mm] to eight (8) feet [2438 mm] in one (1)-foot [30 m] increments.
- **Operating Pressures** – Minimum running pressure 8 psi. Maximum static pressure 125 psi.
- **Water Temperature Range** – Minimum 33°F. Maximum 130°F.

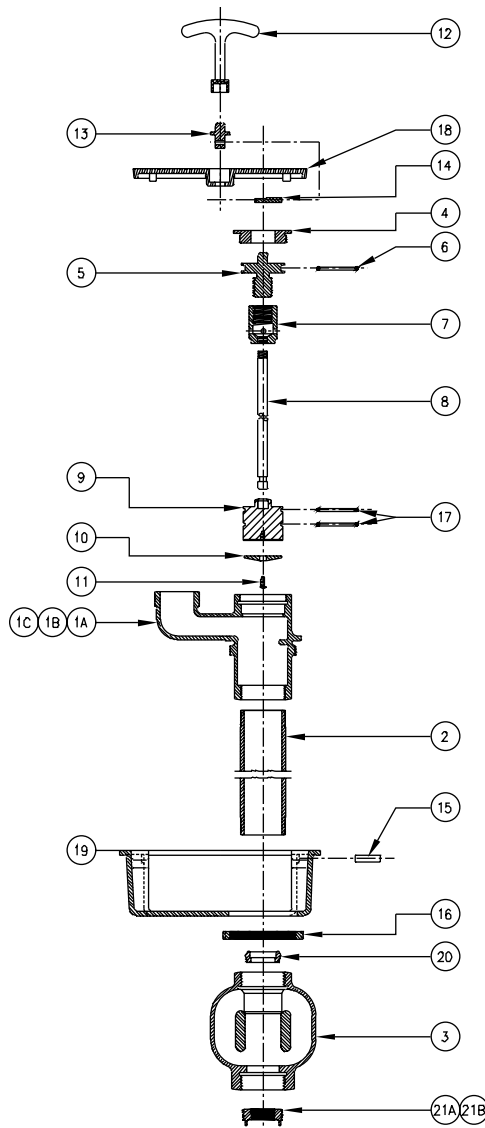
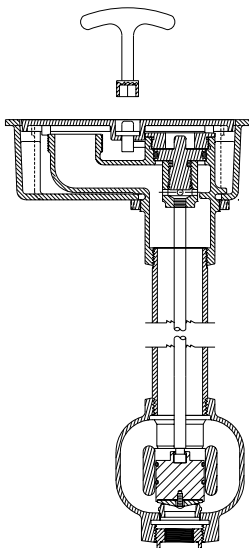
OPTIONS

SUFFIXES

- DP14** 1/4" [6 mm] IP Drain Port in Box
- NB** Polished Nickel Bronze Face
- PB** Polished Bronze Face
- RB** Plain Bronze Face
- RK** Hydrant Parts Repair Kit

Z1365 GROUND HYDRANT Parts Assembly, Parts List, and Operating Rod Assemblies

Z1365 Parts Assembly

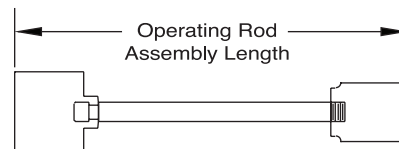


Z1365 Parts List

Item	Description	Qty.	Part No.
1A	Head – 1-1/4" Hose Connection	1	25518-003
1B	Head – 1-1/2" Hose Connection	1	25518-002
1C	Head – 2" Hose Connection	1	25518-001
2	Casing	1	25515-XXX
3	Valve Housing	1	25517-003
4	Face Nut	1	25505-001
*5	Operating Screw	1	25506-001
*6	O-Ring	1	23750-037
*7	Operating Coupling	1	25507-001
8	Operating Rod	1	25516-XXX
9	Washer Guide	1	31436-001
*10	Washer	1	25520-001
*11	Screw #10-24 NC	1	14853-042
*12	Key	1	11600-001
13	Locking Pin Mounting	1	25514-001
14	Locking Pin	1	25513-001
15	Hinge Pin	2	45553-010
16	Locknut	1	29895-001
*17	O-Ring	2	23750-040
18	Hydrant Cover	1	25511-001
19	Hydrant Body	1	25512-001
*20	Removable Seat	1	25510-001
21A	1-1/2" x 2" Bushing	1	23471-007
21B	1-1/4" x 2" Bushing	1	23471-009

Operating Rod Assemblies

2' Bury	20-1/2"
3' Bury	32-1/2"
4' Bury	44-1/2"
5' Bury	56-1/2"
6' Bury	68-1/2"
7' Bury	80-1/2"
8' Bury	92-1/2"



*Items are available in -RK Repair Kit Option bag (#66955-200-9).

Z1365 GROUND HYDRANT Troubleshooting Guide

Z1365 Troubleshooting Guide

PROBLEM	CAUSE	SOLUTION
Hydrant will not operate when turned on.	Water supply is shut off.	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 the operating screw and head.	Follow steps 1-2, 4, and 7-8 of the Service Guide.
Water does not shut off completely when hydrant is turned off.	Debris between seat and washer.	Follow steps 1-3 and 6-8 of the Service Guide. Clean by turning water supply on and flush hydrant.
	Washer is worn out.	Follow steps 1-3 and 5-8 of the Service Guide.
	Wire draw in seat.	Replace seat.
Water is flowing out of the hydrant drainage port when the hydrant is turned on.	Washer guide O-Rings are broken or missing.	Follow steps 1-3 and 5-8 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.

⚠ **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

Z1365 GROUND HYDRANT Service Guide

Z1365 Service Guide

Step 1: Shutting Off the Water Supply to the Hydrant

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

Step 2: Removing the Face Nut and Adjacent Components

Using crescent wrench or 1-1/2 inch open-end wrench, remove the face nut (4) from head (1) by turning counterclockwise.

Step 3: Removing the Internal Operating Assembly

The internal operating assembly (5-11 and 17) can be removed by gripping the square end of the operating screw (5) with a pair of pliers and pulling straight out.

If the operating screw O-Ring was not the reason for service – skip to step 5.

Step 4: Replacing the Operating Screw O-Ring

Remove the operating screw (5) from operating coupling (7) by turning clockwise and slip the old O-Ring (6) off, and replace with new O-Ring (6). Reinstall operating screw (5) into operating coupling (7) by turning counterclockwise. (**Note:** Lubricate the operating screw (5) threads and the O-Ring (6) with Lubriplate FGL-2 if needed.)

If the hydrant shutoff washer and washer guide O-Rings were not the reason for service – skip to step 8.

Step 5: Replacing the Hydrant Shutoff Washer and Washer Guide O-Rings

Remove #10-24 NC x 3/8 screw (11) using a flat screwdriver and turning screw (11) counterclockwise, remove washer (10) and replace with new washer (10) and new screw (11) turning screw clockwise until tight. Remove old O-Rings (17) and replace with new O-Rings (17). (**Note:** Lubricate the O-Rings (17) with Lubriplate FGL-2 if needed.)

Step 6: Replacing the Internal Operating Assembly

There is a flat or a V-notched boss inside of the hydrant head (1) that keeps the operating coupling (7) from rotating when hydrant is turned on and off. With operating screw (5) turned counterclockwise into operating coupling (7) until it stops, and making sure that a flat side or corner of operating coupling (7) lines up with appropriate boss, reinsert the internal operating assembly into the hydrant.

Step 7: Replacing the Face Nut

Insert face nut (4) into head (1), and rotate clockwise until hand tight, then using a crescent wrench or 1-1/2 inch open end wrench, snug nut (4) tight.

Step 8: Turning On the Water Supply

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