



**ZIGGIOTTO®**  
**GARDA EN**  
**Pillar dry hydrant**  
**EN 14384**  
**Type "A"**

**MAINTENANCE,  
INSTALLATION AND  
FUNCTION MANUAL**

CSICERT



UNI EN ISO 9001



SINCERT

FISA



# "GARDA EN" PILLAR DRY HYDRANT EN 14384 TYPE A

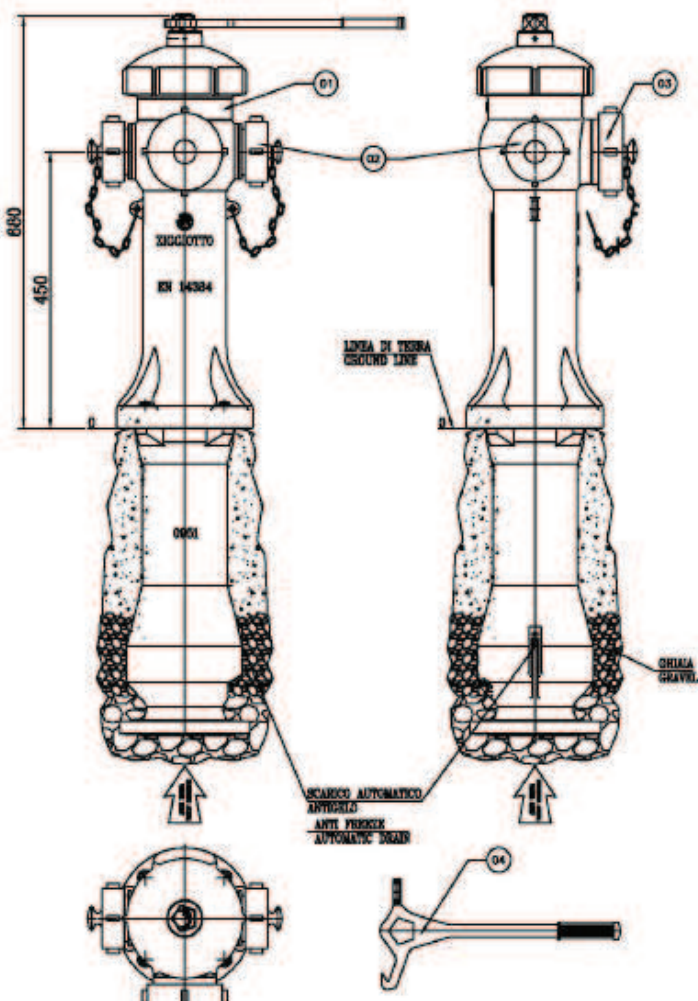
## ZIGGIOTTO

### General Description

Pillar dry hydrant conforming to the normative "UNI EN 14384".

Classified as type "A", with anti-freeze drain system,

Opening and closing are possible only with apposite wrench.



### LEGEND

PILLAR DRY HYDRANT

1. NO. 2 OUTLETS DN70 COMPLETE WITH CAP AND CHAIN
2. NO. 1 OUTLET DN100 COMPLETE WITH CAP AND CHAIN

OPENING WRENCH ( OPTIONAL )

### CARACTERISTICS

- MAXIMUM PRESSURE : 1,6 MPa
- TEST PRESSURE: 2,5 MP
- ABOVE GROUND HEIGHT: 680/980mm
- UNDERGROUND DEPTH: AVAILABLE 500 - 700 - 1000mm
- OUTLET HEIGHT: 450 mm/620 mm
- INLET FLANGE PN16 ACCORDING TO EN 1092-2 PN16
- HYDRANT BODY IN CAST IRON EN GJL 250 ACCORDING TO UNI EN 1503-3

### VERNICIATURA

- ABOVE GROUND PART: EPOSSIDIC RED RAL 3000
- UNDERGROUND PART: EPOSSIDIC BLACK



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### System specifications, installation

#### **POSITIONING**

The hydrant must be positioned with the quote at 10-15 mm from the fitting flange between the red part and the black one, in order to permit the disassembly in case of repair.

It can be anchored with plain concrete in the black part.

**CAUTION:** in corrispondence of the anti-freeze discharge of the hydrant and its emptying when it is closed.

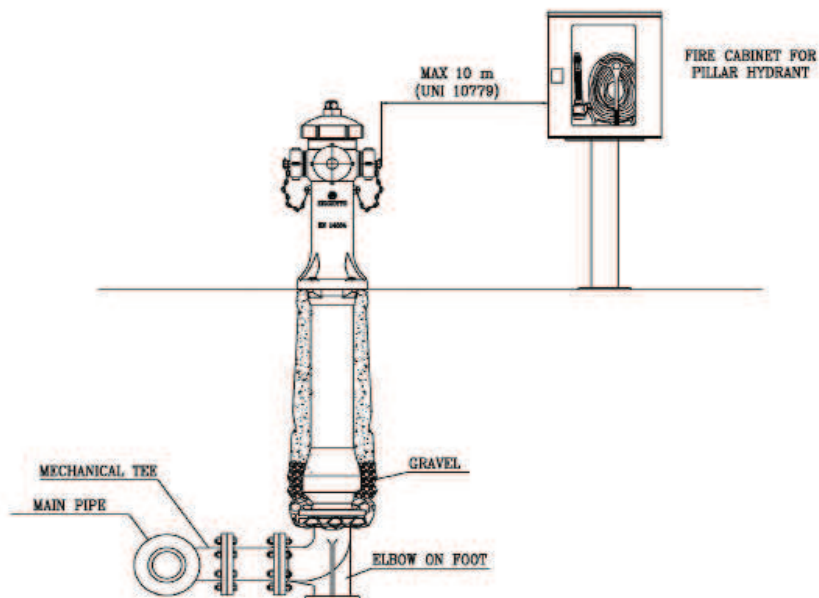
#### **CLEANING**

You have to be sure of the perfect cleaning of the flange before fixing the hydrant.

Check, moreover, the missing of foreing parts in the pipe.

Parts of stones, wood or other material could damage in a irreparable way the valve system and gaskets.

### TYPICAL INSTALLATION



#### **TECHNICAL CHARACTERISTIC:**

Underground part must be at list  
300 mm deep from ground level to  
automatic drainage





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### **hydrant use**

#### **OPENING**

*The opening of the valve must be always carried out till the end.( 12-13 turns ). With only 2/3 turns the water fills the hydrant but the close gasket of the anti-freeze discharge can't close the hole, for this reason it can lose water.*

*The opening must be done in the following way:*

- 2/3 “dead turns”
- opening with necessary stress in order to win the pressure ( 1 turn )
- 9/10 turns in order to open completely the valve and close the anti-freeze discharge.

*During the hydrant, keep 1 union open in order to facilitate the defluxion of water.*

#### **CLOSING**

*The closing must be done without practising stress on the control shaft. The valve closes with the pressure, for this reason it is enough to lean it on its place in brass.*

*After the closing the water starts to go out the water finishes after 10/15 minutes.*

*CAUTION: instruction the personell carefully, especially during testing phase in order to avoid the excessive tight because the water goes out from the anti-freeze discharge damaging the rubber of the valve and the nut screw of the control shaft.*

#### **KEY**

*Use only the specific control shaft, our operating key CH0037 to avoid the practise and excessive and undsefull stress with the risk of damaging the break of the internal components of the control system.*

### **MAINTENANCE AND TEST**

*The hydrants is free form the maintenance. In normal use coniditions it mustn't be oiled and ypu can't replace the o-ring.*

*It is advisable at last 1 test per year in order to check the correct functioning*

- *Open 1 outlet*
- *Apply a fire hose*
- *Open the hydrant*
- *Keep it open for 2/3 minutes*
- *close the hydrant*

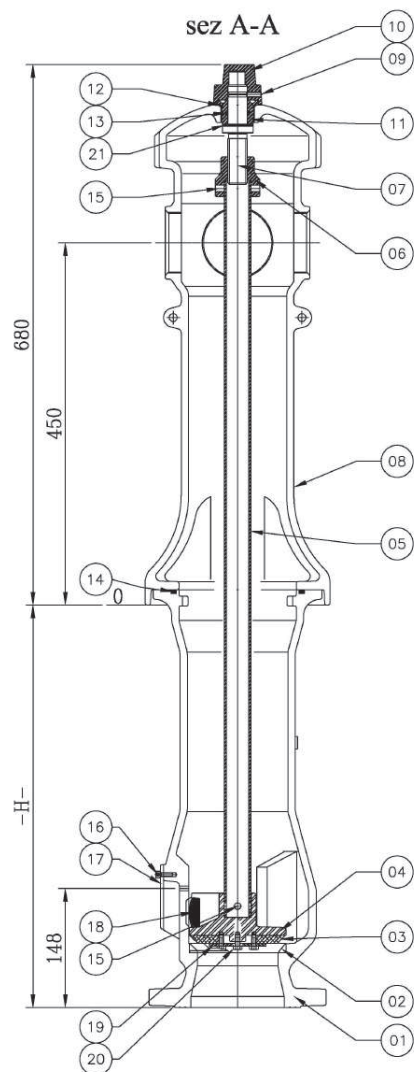


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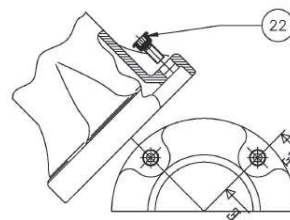
## ZIGGIOTTO

### LIST:

Pos.	Description	Q.tà
1	INFERIOR BODY	1
2	CLOSURE RING FOR VALVE	1
3	SEAL VALVE	1
4	STAND VALVE	1
5	PIPE AD	1
6	NUT SCREW	1
7	SCREW CLOSING HYDRANT NEW ZIG	1
8	BODY UPPER	1
9	SCREW UNI5927	1
10	MALE PENTAGON	1
11	BUSCH	1
12	O-RING	1
13	O-RING	1
14	O-RING	1
15	PARALLEL PIN	2
16	SCREW TCEI	1
17	COVER FOR DRAIN HOLE	1
18	SEAL	1
19	WASHER INOX	1
20	SCREW TE INOX	1-3
21	WASHER TEFLON	1
22	SCREW TCEI	4



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### SPARE PARTS:

For eventual damages, or malfunction,  
use only original spare parts available by  
the supplier.

