



ZIGGIOTTO®

FBA

Pillar dry hydrant

Type "C"

***MAINTENANCE,
INSTALLATION AND
FUNCTION MANUAL***

CSICERT



UNI EN ISO 9001



SINCERT

FISA



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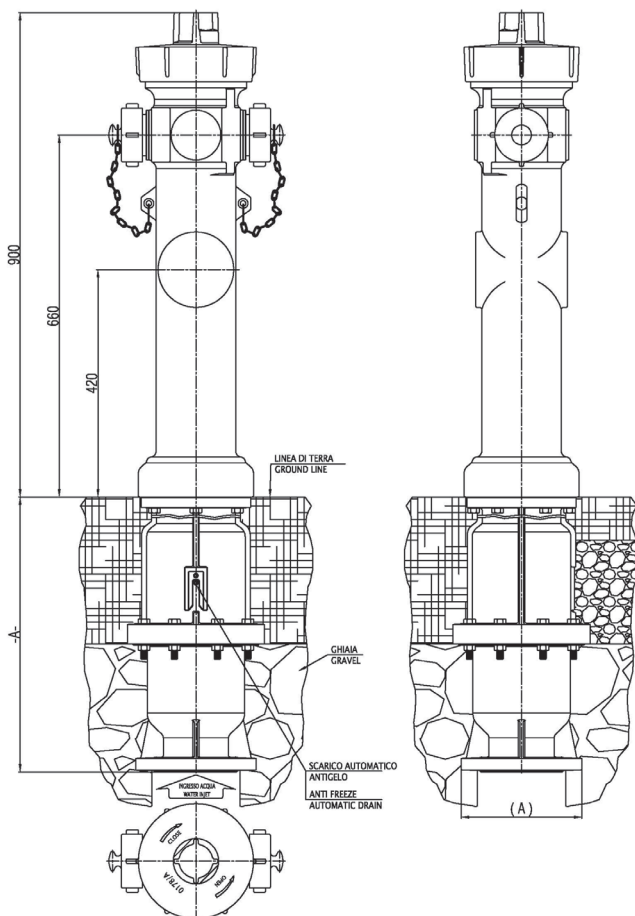
"FBA" PILLAR DRY HYDRANT Tipo C

General Description

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

Classified as type "C", with anti-freeze drain system, pre-set break off point and automatic shut off in case of breakage to prevent water escape.

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)

CARATHERISTICS

- MAXIMUM PRESSURE : 1,6 MPa
- "ESY REPAIR" SYSTEM
- TEST PRESSURE: 2,5 MP
- ABOVE GROUND HEIGHT: 900mm
- UNDERGROUND DEPTH: AVAILABLE 500 - 700 - 1000mm
- OUTLET HEIGHT: 660 mm
- INLET FLANGE PN16 ACCORDING TO EN 1092-2 PN16

VERNICIATURA

- ABOVE GROUND PART: EPOSSIDIC RED RAL 3000
- UNDERGROUND PART: EPOSSIDIC BLACK 9005



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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.

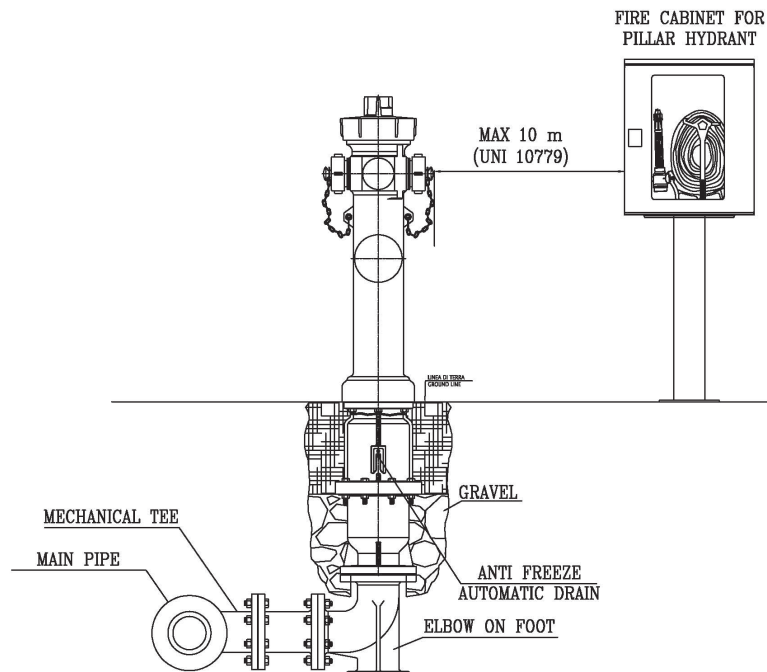
CAUTION: in corispondence of the anti-freeze discharge of the yhydrant and its emptying when it is closed.

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 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

SECTIONING DEVICE - ONLY FOR TYPE C

In case of accidental impact the hydrante is preset for a sectioning that allows the reinstatement with the simple replacement of the semiflange in cast iron and the central articulation of the control shaft in brass. For this operation it is available a reinstatement kit called " easy repair kit" (semiflange, brass articulation, gasket and nuts). In case of the damage is greater, please contact the supplier.

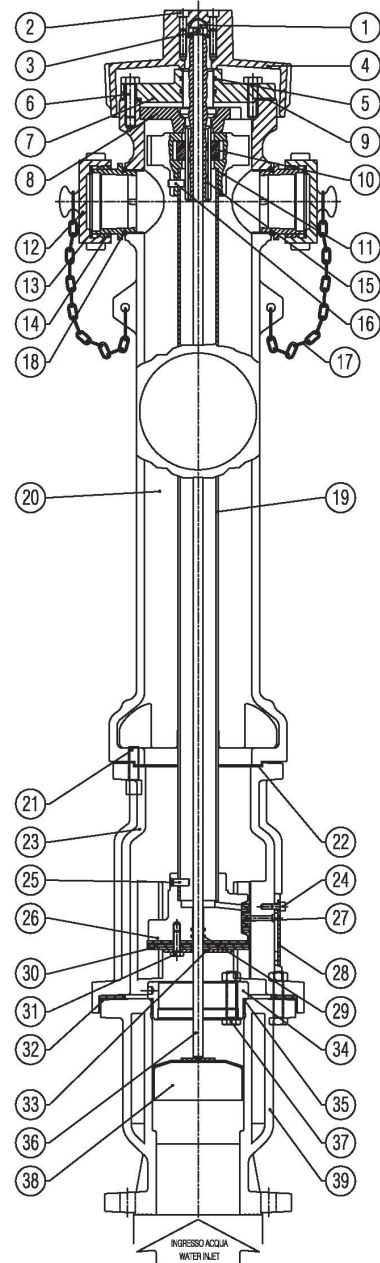


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LIST:

39	Box for Automatic Stop Valve	GG25 or GGG50	1
38	Throttle Valve	UNI 6900 X5 CR	1
37	Hex Head Screw M12 x 55	Galvanized Steel	8
36	ASTA COMANDO SEZIONAMENTO	UNI 6900 X5 CR	1
35	O-RING 4325	N.B.R.	2
34	Ring Nut Automatic	B14	1
33	Plate of tight	A2 Stainless Steel	1
32	Seal	N.B.R.	1
31	Hex Head Screw M8 x 25	B14	1
30	Seal	N.B.R.	1
29	O-RING 115	N.B.R.	2
28	Drain Cover	Galvanized Steel	1
27	Seal 25x35x10	N.B.R.	1
26	Closure Valve	GG25 or GGG50	1
25	Parallel Pin 8x20	A2 Stainless Steel	1
24	Hex Head Screw M6 x 12	Galvanized Steel	1
23	Lower Section	GG25 or GGG50	1
22	Seal	N.B.R.	1
21	Hex Head Screw M12x40	Galvanized Steel	4
20	Upper Section	G20 Uni 5007-69	1
19	Lower Control Rod	Galvanized Steel	1
18	Parallel Pin 8x20	A2 Stainless Steel	1
17	O-RING 172	N.B.R.	2
16	Cap Chain	Galvanized Steel	2
15	Shaft Screw Thread	B 14	1
14	Out Let UNI 810	B14	2
13	Seal	N.B.R.	2
12	Cap UNI 70	GG25 or GGG50	2
11	Shaft Guide	GG25 or GGG50	1
10	Lead Nut	B 14	1
9	Seal	N.B.R.	1
8	Shaft Guide	GG25 or GGG50	1
7	Flange	GG25 or GGG50	1
6	Hex Head Screw M12X40	Galvanized Steel	5
5	O-RING 4143	N.B.R.	2
4	Fire Hydrant Cap	GG25 or GGG50	1
3	Parallel Pin 5x20	A2 Stainless Steel	1
2	Hex Head Screw M8x45	A2 Stainless Steel	2
1	Nut M12	B 14	1
N	DESCRIPTION	Material	Q.ty



SPARE PARTS:

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