

HYDROGEO SYSTEMS LTD

BULGARIA 3060 KRIVODOL, 3, PENIO PENEV STREET

VAT NO: BG201931854

CONNECTION KIT – details technical :

Details general :

- Kit branch home with anchor base is prefabricated and INCLUDES all ELEMENTS REQUIRED branching individual water ;
- HDPE water meter manhole with diameter 540 mm, height 1000 mm and anchorage base ;
- Monobloc body – made by method EDUCAtIoN rotational ;
- Fireplace cover watermeter thermal insulation : foam rigid polyurethane minimum 3 cm;
- Construction made of PE 100 RC Type 2 Triple-Ply D. 25 SDR 17 and fittings electroweldable ;
- stopcocks : valves V17 type passage with steel lever , with gland , section total ;
- counter with mechanism wet , class C, DN 15, M 24 or 25 mounted at a maximum of 40 cm from the elevation the land ;

HDPE water meter manhole with anchoring base :

FEATURES HDPE raw material :

RAW MATERIAL CHARACTERISTICS: HDPE	important
CHEMICAL RESISTANCE	1.5 < pH < 14
WEIGHT	940 - 960 kg/m ³
VISCO-ELASTICITY	SLIDING OF MOLECULAR CHAINS WITHOUT BREAKING
FLEXIBILITY	E ≥ 600 Mpa
SHOCK RESISTANCE, FREEZE	TEMPERATURES: -23°C and 52°C
THERMAL CONDUCTIVITY	≈ 0.430 W/m/°K
THERMAL EXPANSION	≈ 0.17 mm/m °K Representing (+ or -): ≈23 mm at Δ10°C at ≈30 m pipe
FLASH	COMBUSTION TEMPERATURE: 371°C
ABRASION RESISTANCE	COMPACT MOLECULAR STRUCTURE
UV RESISTANCE	BLACK SMOKE CONTENT: 2 - 2.5 %



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HDPE chimneys are made single - layer , with stiffening ribs , without welds , fillings or additions subsequent nerves . must to be so horizontal as well as vertical for a resistance mechanics superior .

FEATURES materiality cover insulator :

RIGID POLYURETHANE FOAM CHARACTERISTICS	important
SOLIDS CONTENT	100% - VOLUMETRIC PERCENTAGE
LIQUID MIXTURE DENSITY	38 ± 1 kg/m ³
EXPANDED FOAM DENSITY	34 ± 1 kg/m ³
TWO-COMPONENT MIXING RATIO	1:1 (VOLUME)
GELLING PERIOD	9 ± 2 (sec)/at temperature components (A/B) = 10°C
EXPANSION PERIOD	20 ± 3 (sec) / at temperature components (A/B) = 10°C
THERMAL CONDUCTIVITY	< 0.024 (W/ mK); 0.016 (kcal/ mh°C)
COMPRESSIVE RESISTANCE	$> 0.3 \pm 1$ (N/mm ²)
FLAMMABILITY	DOES NOT PROPAGATE FLAME

construction COVER it is monobloc, made of a single piece piece , foam filling rigid polyurethane will be made through a hole left to manufacture Filling it . foam cover rigid polyurethane will be made by dosage in one stage . Degree of foam filling must be at least 98% of the volume his .



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size and construction HDPE manhole water meter

CHIMNEY BODY DIAMETER	540mm
CHIMNEY BASE DIAMETER	420mm
ANCHORAGE BASE	540mm
COVER HEIGHT	90mm
HEIGHT OF THE FIREPLACE BASE	300mm
ANCHORAGE BASE HEIGHT	40mm
NUMBER OF HORIZONTAL REINFORCEMENTS	4
HEIGHT OF THE FIREPLACE	990 / 1200 MM

construction water meter housing with anchoring base is designed water connections and has the role of protecting reinforcements and the water meter from water infiltration , dust , extreme temperatures and to extend operating time . The water meter chamber with the anchoring base is made MONOLAYER to allow the temperature at the level EARTH saddle heat / cool PRECINCT its . The cover foam insulated The rigid polyurethane has the role of isolate thermal and minimize temperature losses from the premises home . In this way, it will be achieve a temperature constant regardless of the conditions atmospheric .



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Construction indoor fireplace HDPE water meter with anchoring base :

COMPONENT ELEMENTS	TECHNICAL CHARACTERISTICS/RECOMMENDATIONS
HDPE PIPE D. 25 SDR 17	PE 100RC TYPE 2 - TRIPLE-LAYERED, VIRGIN MATERIAL, DRINKING WATER
ELECTRO-FUSABLE CONNECTOR D. 25*3/4"	SDR 11, APA
BALL VALVE TYPE V17 1/2 WITH LEVER	HOUSING AND BALL MATERIAL: CW617N BRASS NOMINAL PRESSURE UP TO 40 BAR DRINKING APPROVAL DOUBLE O-RING SEAL - TEFLON PTFE GLAND GLAND (COMPENSATION NUT) TOTAL PASSAGE SECTION 15 YEAR WARRANTY
SEMI-DUTCH WATER METER CONNECTION	PROVIDED WITH WATER METER SEAL RING
SCREW + NUT	PLASTIC
BRASS FITTINGS	FI-FE ELBOW $\frac{3}{4}$ INTERIOR EXTERIOR REDUCTION $\frac{3}{4}$ - $\frac{1}{2}$

Single-jet water meter cold , with mechanism wet , used for measurement individual consumption :

- ring brass seal hot forged ;
- numbered steel shaft stainless steel ;
- glass secured
- the total , the numbers fractionation and the serial number is in Department dry and I remain ever legible
- versions refurbished with pulse transmitter keep BOTH the glass dial mineral , how much and the inscription ;
- serial number is marked on the dial , both in numbers How and in barcode format. Also is graven and on the closing ring
- components are made of materials Arts hygroscopic , anti- scaling and wear - resistant ;
- installation : horizontal or vertical . Does not require pipe fitting straight downstream and upstream ;
- hydraulic tests performed at three flow rates (Q 1, Q2, Q3) for 100% of production .
- Testing laboratories respect ISO 4064/3 and ISO 4185 (EN 14154/3) standards and are approved by the European certified body ;



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- turbine resistance to limescale deposits ;
- magnetic shield against fields magnetic exterior ;
- COUNTER is certified according to MID 2004/22/EC

Construction outside fireplace HDPE water meter with anchoring base :

COMPONENT ELEMENTS	TECHNICAL CHARACTERISTICS/RECOMMENDATIONS
PEHD PIPE PE100 RC Type 2 Triple-walled D. 25 SDR 17	DVGW certification or similar; PAS 1075 – Type 2 certification ;
ELECTRO-FUSABLE CONNECTOR D.25*3/4 FE	WRAS certification or similar
ELECTRICAL SOLDERING SOCKET D.25	DVGW certification or similar
CONCESSION VALVE 3/4 PN16 EQUIPPED	<ul style="list-style-type: none">- body and casing GJS500 faucet ;- drawer : bronze + EPDM;- shaft: AISI 420;- rod : bronze- covering protective 250µm WRAS certification or similar
PROTECTION TUBE 450N D.75	- for the roadway protection area
ELECTROFUSABLE TEE KIT ADJUSTABLE D. pipe distribution *25	- 360° rotatable

Water meter housing with anchoring base must be provided with sealing gaskets at the joints and passes :

- at the level the lid ;
- at the crossings connecting pipes ;
- at the crossings plastic screws .

water meter will mount at a maximum of 40 cm from the elevation natural of the earth to facilitate operating operations and maintenance . The HDPE manhole with the anchoring base will be install in traffic areas pedestrian , spaces green . If the canvas ground is WHOLESale The installation will be done by embedding the fireplace anchor base in concrete



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