



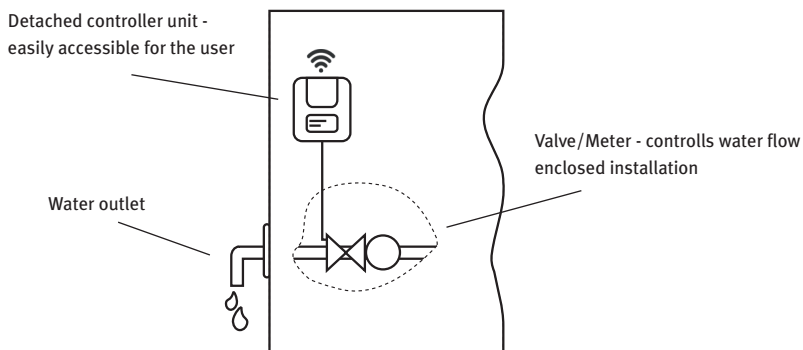
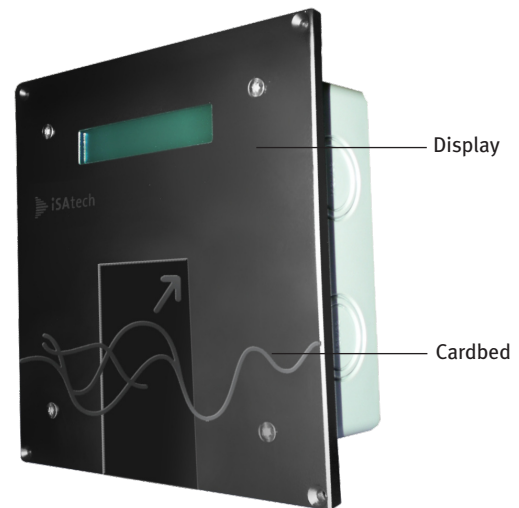
Dispensing Unit

Dispensing Unit of Prepaid Metering System

The Dispensing Unit can be installed detached of the water technology easily accessible for the user. If the system is used with Prepaid cards, here the cards are applied and consumption is written to the card according to the assigned rate. If online system is chosen the Dispensing Unit serves as local control of the supply and is connected by GSM/UMTS or WiFi router respectively via the Internet to the server system. The Controller Unit is connected to the meter and the valve.

Pay as you Use

If the user disposes of valid Pay as you Use credit, the supply system is opened and the volume is measured and accounted for.

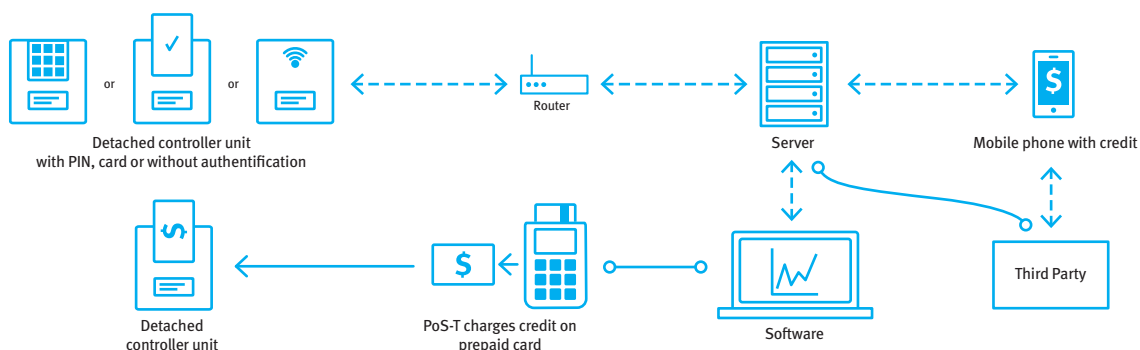


Power supply and mobil network

The power supply of the supply unit can be realized by an external power source (for example solar) or by a rechargeable battery. If the supply unit is fitted with an optional radio module, all consumption data can be transferred via GSM/UMTS or WiFi router by Internet to the server where it can be analyzed.

Charging of credit via Internet or by prepaid card

Prepaid credit can be purchased via a NFC-prepaid card or mobile over the Internet. With the charged card the valve is opened. If the credit is purchased via the Internet, the valve opens either immediately or an identification by card or PIN might be requested.





Dispensing Unit

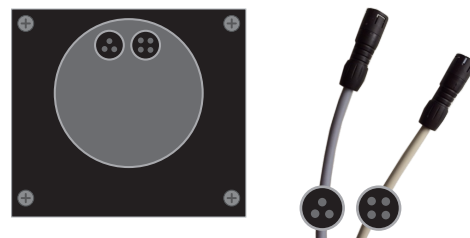
Technical Data



Charging	Prepaid Card Mobile Network / Internet
Technology	NFC/RFID Card ISO/IEC 15693-2,-3; 18000-3 433MHz / 868 MHz / 2,4 GHz*
Profile	Domestic Public Water (Kiosk) Water quantities Time based supply
Functions	Supply of water/ electricity/ heat/ gas Counting, accounting, logging Supply by NFC-card Supply by Internet / Mobile net- work
Power	3,6 V battery (up to 8 years), 7,2 V rechargeable battery or external power 14-32 VDC
Connectivity	Reed switch or impulse and bistable valve 9VDC (impulse), valve N.C. (12VDC, 1A max.) or electro-magnetic contactor configurable (i.g. 1l, 10l, 1kwh)
Pulse	Graphical LCD (55 mmx 18 mm)
Display	AES-256
Security	CE-Sign
Conformity	R&TTE-Directive 1999/5/EG

Protection	up to IP67
Temperature	0 to 55° Degrees Celsius
Humidity	0 to 95%
Dimensions	97mm x 97mm x 27mm (without connecting plugs) 150mm x 150 mm x 30 mm * optional

Possible configurations

Energy	Battery (up to 8 Years)	Rechargeable battery	External Power (14-32 VDC)
Valve	bistable valve (9 VDC impulse)		forced piloted operated valve (12 W)



-  External power / rechargeable battery connection
-  Connection to Water Tap (valve and meter)