



MANAS

Energy Management
Itron Turkey Distributor



Retrokit

ELECTRONIC CONTROLLED PRE-PAYMENT MODULE FOR GAS METERS

Retrokit series pre-payment module is the latest technology shut-off valve which was developed to convert diaphragm, rotary and turbine type gas meters to the prepaid system. Retrokit can be used with any meter size and brand. It has the compact design and it can be mounted on the output of gas meter as flanged or threaded. Meter index can be read digitally by virtue of its LCD screen.

Features and Benefits

- Eliminates the collection problems on subscribers who over consume without regular payments. This, in fact, will reduce the revenue losses of utilities/gas distribution companies.
- Faster return on investment since the revenue is collected in advance.
- Retrokit eliminates both meter reading personnel and vehicle costs. Gas utilities/distribution companies will also reduce revenue losses arise due to errors done by meter reading personnel.
- Retrokit eliminates the cost such as meter reading personnel and vehicle costs.
- End user controls consumption & debt.
- Multi-channel vending option gives flexibility to the end users which in fact increases customer-satisfaction.
- If required, it can be produced as Pre-paid GPRS and Pre-paid RF.
- If requested, it can be converted to post-prepayment system on the site.
- It keeps the last 12 months consumption data.
- Encrypted data transmission enables the safety/security of the customers consumption data.
- Retrokit is compatible with Itron's Eclipse Enterprise Edition.



Retrokit 0

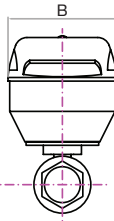
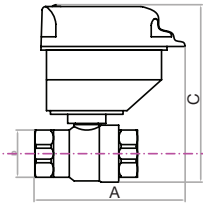


Retrokit 0

A	124 mm
B	103 mm
C	146 mm
D	DN25

Retrokit 0

A	145 mm
B	103 mm
C	205 mm
D	DN50

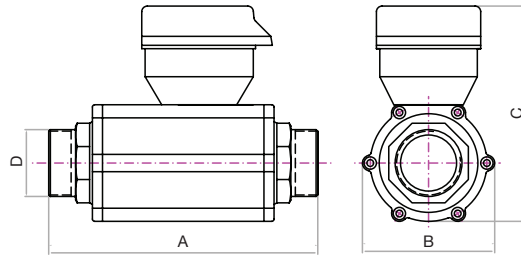


Retrokit Uno



Retrokit Uno

A	240 mm
B	118 mm
C	192 mm
D	DN50 - G 2"



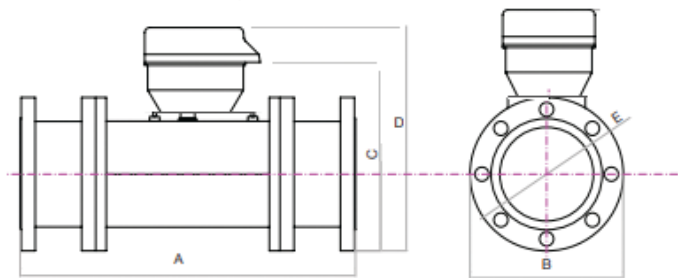
Definitions	Retrokit 0	Retrokit-Uno	Retrokit 2
Valve Type	Ball	Cam mechanism, spring loaded stop valve	Cam mechanism, double clack system, stop valve
Operation Voltage Range	3Vdc - 4Vdc		
Nominal Voltage	3,6 Vdc		
Body Material	Brass (CUZn40Pb2)	Aluminium+GGG40	GGG40
Connection Size	DN25-DN50 Threaded	DN50 - Threaded	DN100 - Flanged
Meter Range Used	G4, G6, G10...G40	G10.....G40	G65.....G250
Cam - Stem Mechanism	-	Stainless Steel	
Cam	-	Stainless Steel	Stainless Steel
Max. Pressure Loss	2mbar	2mbar	3mbar
Battery Life	Minimum 10 years battery life time; based on once a week turn on/ shut off valve operation and as well as once a day smart card transaction.		
Communication	Smart Card; options are Pre-paid GPRS, Pre-paid RF, LoRa, NB-IoT		
LCD	LCD 10 digits / Alphanumeric Display		
IP Protection Class	IP 54		
Pressure Class	MOP1		
Electronics	ATEX (Ex II3G Ex ic II A T5 Gc)	ATEX (Ex II3G Ex ic II A T5 Gc)	Can be obtained if requested

Retrokit 2



Retrokit 2

A	487 mm
B	218 mm
C	270 mm
D	300 mm
E	DN100



MNS/Retrokit Brochure EN R.004 09/05/2018

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