



TUOREN MEDICAL



Reho Solutions Ltd

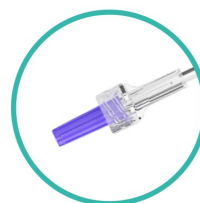
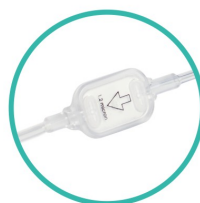
75 Zion St., Ashkelon, Israel
Email: info@rehosolutions.com

For further contact, visit
www.reho-med.com

Contact us: 972-53-7203872

Infusion Pump

Safety and Accuracy



TUORen

Reho-Med
Laboratory equipment & medical devices



Infusion Pump

TUORen infusion pump is disposable elastomeric pumps with a hard case. It is used for the application of medication

The pump has a specially designed balloon-like reservoir that is filled with the drug or fluid intended for infusion. This balloon exerts mechanical pressure thereby administering the liquid-based medication through a flow restrictor creating the pre-determined flow rate for patients, either at hospitals, clinics or homecare.

The device is designed to deliver the nominal volume within $\pm 10\%$ of the nominal infusion time.



- ①Protecting Case
- ②Elastomeric Reservoir
- ③Checking Valve Filling Port
- ④Flow-stopping clip
- ⑤Medicine Fliter
- ⑥Flow Limit Device
- ⑦Self-controlled Device
- ⑧Patient end Cap

Application Scope:

The disposable infusion pumps are designed for patients requiring Intravenous, Percutaneous, Subcutaneous, Intraoperative sites, Epidural administration of medications.

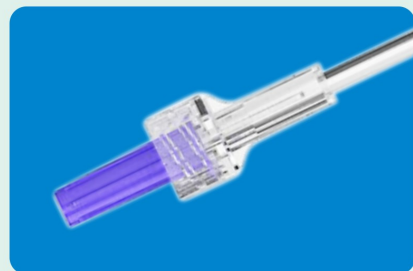
Medications that can be infused include

- Analgesics
- Chemotherapeutics
- Antibiotics
- Antiviral drugs
- Infusion for re-hydration

Features:



The particle filter: 0.2μ, 1.2μ and 5μ are available.



Patient end cap is a patent design. The air can be dissipated without removing the cap. It could reduce the risk of contamination.



Patent design: Safe. The key cannot be taken out until it's in the right place.

Benefits for Clinical Workers

- Silicone reservoir allows air to dissipate
- Particle filter
- Extendable telescopic core
- Accuracy: $\pm 10\%$
- Easy filling and use
- Versatile use for
 - Analgesia/pain treatment
 - Antibiotic treatment
 - Chemotherapy
 - Desferal therapy
 - Rehydration
- DEHP-free
- Latex-free
- Hard case
- No battery or power supply required
- Tyvek Package easy for EO aeration and safe for clinical workers

Benefits for Patients



- Comfortable for patients
- Different types available:
 - Continuous Basal Infusion (CBI type)
 - Patient-Controlled Analgesia (CBI+PCA type)
 - Multi-rates
- Patients can self-control the additional dose according to their own feeling to pain
- No battery or power supply required allows patients to move;
- Portable design, therapy not limited by body position and space
- DEHP-free
- Latex-free
- Disposable and Safe

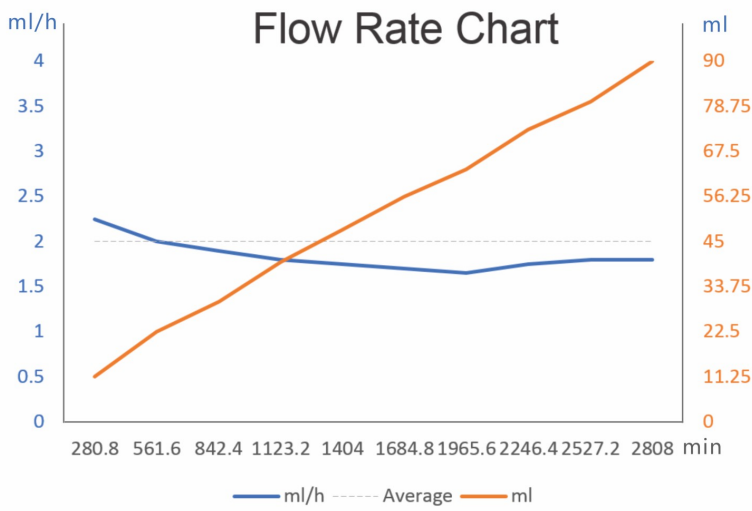
Research whether silicone reservoir allows air to dissipate

The air will be exuded via the reservoir wall slowly, which improved the efficiency.

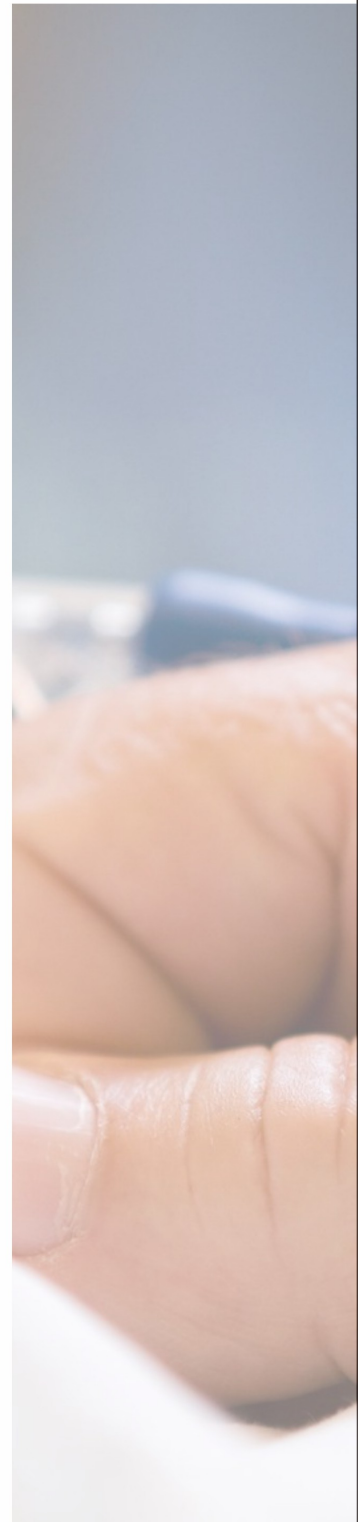


Conclusion: Infusion pumps with the type of CBI, 100ml, 2ml/h are tested and the air disappears totally after 4 hours

Accuracy: $\pm 10\%$



Note: Test object is the infusion pump with the type of CBI, 100ml, 2ml/h and the accuracy of the flow rate is $\pm 10\%$.



CBI Type (Continuous Basal Infusion)

- The CBI type has a micro-flow control tube to control the flow rate.

CBI					
Volume	Flow Rate	Cat. No	Volume	Flow Rate	Cat. No
60ml	0.5ml/h	CBI06005	300ml	1ml/h	CBI30010
	1ml/h	CBI06010		2ml/h	CBI30020
	2ml/h	CBI06020		4ml/h	CBI30040
	5ml/h	CBI06050		5ml/h	CBI30050
	0.5ml/h	CBI10005		450ml	10ml/h
1ml/h	CBI10010	20ml/h	CBI450200		
2ml/h	CBI10020	50ml/h	CBI450500		
4ml/h	CBI10040	100ml/h	CBI4501000		
5ml/h	CBI10050	500ml	10ml/h		CBI500100
6ml/h	CBI10060		20ml/h	CBI500200	
10ml/h	CBI100100		50ml/h	CBI500500	
50ml/h	CBI100500		100ml/h	CBI5001000	
100ml/h	CBI1001000		250ml/h	CBI5002500	
150ml	1ml/h	CBI15010	550ml	10ml/h	CBI550100
	2ml/h	CBI15020		20ml/h	CBI550200
	4ml/h	CBI15040		50ml/h	CBI550500
	5ml/h	CBI15050		100ml/h	CBI5501000
	1ml/h	CBI20010		600ml	1ml/h
2ml/h	CBI20020	2ml/h	CBI60020		
4ml/h	CBI20040	4ml/h	CBI60040		
5ml/h	CBI20050	5ml/h	CBI60050		
200ml/h	CBI2002000	10ml/h	CBI600100		
275ml	1ml/h	CBI27510	600ml	20ml/h	CBI600200
	1.5ml/h	CBI27515		50ml/h	CBI600500
	2ml/h	CBI27520		100ml/h	CBI6001000
	4ml/h	CBI27540		200ml/h	CBI6002000
	5ml/h	CBI27550			
	10ml/h	CBI275100			

*The volume and flow rate could be customized.

CBI+PCA Type (Patient-controlled Analgesia)

- The CBI+PCA type has an additional bolus function, so that the patient can self-administer an extra dosage according to pain situation.

CBI+PCA 0.5ml (Bolus Volume)/ 15min (Lockout Time)					
Volume	Flow Rate	Cat. No	Volume	Flow Rate	Cat. No
60ml	1ml/h	PCA06010-0515	200ml	1ml/h	PCA20010-0515
	2ml/h	PCA06020-0515		2ml/h	PCA20020-0515
100ml	1ml/h	PCA10010-0515		4ml/h	PCA20040-0515
	2ml/h	PCA10020-0515		5ml/h	PCA20050-0515
	4ml/h	PCA10040-0515	275ml	1ml/h	PCA27510-0515
5ml/h	PCA10050-0515	2ml/h		PCA27520-0515	
150ml	1ml/h	PCA15010-0515		4ml/h	PCA27540-0515
	2ml/h	PCA15020-0515	5ml/h	PCA27550-0515	
	4ml/h	PCA15040-0515			
	5ml/h	PCA15050-0515			

*PCA 300ml volume, 0.5ml/10min, 1ml/15min and 2ml/15min specifications are also available.



100ml



400-600ml



15 flowrates CBI Type

- Basal flow rate can be adjusted among 15 flow rates.
- The lockout key ensures the flow rate control safety.

Volume	Flow Rate	Cat. No
60ml	0/1/2/3/4/5/6/7/8/9/10/11/12/13/14/15ml/h	MCBI150601
	0/0.5/1/1.5/2/2.5/3/3.5/4/4.5/5/5.5/6/6.5/7/7.5ml/h	MCBI150602
100ml	0/1/2/3/4/5/6/7/8/9/10/11/12/13/14/15ml/h	MCBI151001
	0/0.5/1/1.5/2/2.5/3/3.5/4/4.5/5/5.5/6/6.5/7/7.5ml/h	MCBI151002
150ml	0/1/2/3/4/5/6/7/8/9/10/11/12/13/14/15ml/h	MCBI151501
	0/0.5/1/1.5/2/2.5/3/3.5/4/4.5/5/5.5/6/6.5/7/7.5ml/h	MCBI151502
200ml	0/1/2/3/4/5/6/7/8/9/10/11/12/13/14/15ml/h	MCBI152001
	0/0.5/1/1.5/2/2.5/3/3.5/4/4.5/5/5.5/6/6.5/7/7.5ml/h	MCBI152002
275ml	0/1/2/3/4/5/6/7/8/9/10/11/12/13/14/15ml/h	MCBI152751
	0/0.5/1/1.5/2/2.5/3/3.5/4/4.5/5/5.5/6/6.5/7/7.5ml/h	MCBI152752
300ml	0/1/2/3/4/5/6/7/8/9/10/11/12/13/14/15ml/h	MCBI153001
	0/0.5/1/1.5/2/2.5/3/3.5/4/4.5/5/5.5/6/6.5/7/7.5ml/h	MCBI153002

*Type for 15 flowrates CBI +PCA is also available.



UV CBI Type

- UV protection is designed to minimize the property change of medicine for cancer treatment.

Volume	Flow Rate	Cat. No	Volume	Flow Rate	Cat. No
100ml	0.5ml/h	UCBI10005	200ml	1ml/h	UCBI20010
	1ml/h	UCBI10010		2ml/h	UCBI20020
	2ml/h	UCBI10020		4ml/h	UCBI20040
	4ml/h	UCBI10040		5ml/h	UCBI20050
	5ml/h	UCBI10050		275ml	1ml/h
150ml	1ml/h	UCBI15010	1.5ml/h		UCBI27515
	2ml/h	UCBI15020	2ml/h		UCBI27520
	4ml/h	UCBI15040	4ml/h		UCBI27540
	5ml/h	UCBI15050	5ml/h		UCBI27550

*PCA, Multi-rate and 15 flowrates specifications are also available.



The order Option

- *Carry Bag*

- *Product Customization*



TUOREN MEDICAL



Reho Solutions Ltd

75 Zion St., Ashkelon, Israel
Email: info@rehoslutions.com

For futher contact, visit
www.reho-med.com

Contact us: 972-53-7203872