

RACCOON

RACCOON Precise Fluid Dispenser DR-2

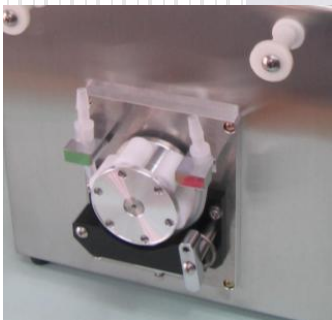
- Best fit for formulation of pharmaceuticals and milk preparation
- Adoption of the newly developed "syringe dispensing mode"

Ultra-precision dispenser linked with the electronic scale : DR-2-S model

Ultra-precision dispenser using the pulse motor: DR- 2-SP model

RACCOON Precise Fluid Dispenser Unit "DR-2" is specially designed adopting a pump tubing system. The rollers attached to the rotating machine on the peristaltic pump (tube pump) squeeze the silicone tube to deliver liquid from pots into feeding bottles.

This unit is free from liquid leakage and contamination by foreign objects and is especially suitable for formulation of pharmaceuticals and milk preparation. In addition to standard dispensing applied to medicinal solutions and milk, dispensing into syringes with or without syringe filters or suppository molds can be executed. Compared to conventional fluid dispensers, higher dispensing accuracy and easier operation using a color touch panel and a built-in computer can be achieved. Attachment and detachment of tubes are also easily made.



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【Specifications】

Name	RACOON Precise Fluid Dispenser	RACOON Weight Type Precise Fluid Dispenser	RACOON Low Volume Precise Fluid Dispenser
Model	DR-2	DR-2-S	DR-2-SP
Size	W200 × D200 × H345 (mm)	W200(w/support450) × D200 × H345 (mm)	W200(w/support450) × D200 × H345 (mm)
Weight	8 Kg	8 Kg	10 Kg
Purpose	Measuring liquid volume of medicinal solutions and milk	Measuring liquid volume of medicinal solutions and milk	Measuring liquid volume of medicinal solutions and milk
Pump	Peristaltic Pump (Tube Pump)	Peristaltic Pump (Tube Pump)	Peristaltic Pump (Tube Pump)
Motor	Speed controllable motor	Speed controllable motor	Pulse motor
Dispensing timer	Indication and preset by touch panel	Indication and preset by touch panel	Indication and preset by touch panel
Pause timer	Indication and preset by touch panel	Indication and preset by touch panel	Indication and preset by touch panel
Counter	Indication and reset by touch panel	Indication and reset by touch panel	Indication and reset by touch panel
Touch panel	Color touch panel	Color touch panel	Color touch panel
Control	Microcomputer control	Microcomputer control	Microcomputer control
Tube	Silicon rubber tube φ 6mm × φ 10mm (can be extended to φ 10mm × φ 14mm)	Silicon rubber tube φ 6mm × φ 10mm (can be extended to φ 10mm × φ 14mm)	Silicon rubber tube φ 4mm × φ 8mm
Quantity preset	To be able to preset by touch panel max. 192 points(standard<high speed: 48points, low speed 48points), Syringe 96points), Option(high speed 1ml unit, low speed 0.1ml unit)	To be able to preset by touch panel max. 192 points(standard<high speed: 48points, low speed 48points), Syringe 96points), Option(high speed 1ml unit, low speed 0.1ml unit)	To be able to preset by touch panel max. 48points, 0.1ml unit
Dispensing Quantity adjustment	To be able to adjust digitally	To be able to adjust digitally	To be able to adjust digitally
Method	Foot switch, Push button	Foot switch, Push button	Foot switch, Push button
Dispensing method	Standard Dispensing Mode 5ml ~ 31000 ml (31 L) Dispensing speed(φ 6mm tube, 60HZ) High speed 200 ml/9 seconds Low speed 40 ml/7 seconds Accuracy High speed ± 2 % (50 ml and more) Low speed ± 2 % (5ml ~ less than 50ml) Syringe Dispensing Mode(option) 5 ml ~ 50 ml Dispensing speed(φ 6mm tube, 60HZ) 50 ml/6 seconds Accuracy ± 5 % (5ml ~ less than 50 ml) (Allowable error of commercially-supplied syringes < ± 4 % > should be considered)	Standard Dispensing Mode 5ml ~ 31000 ml (31 L) Dispensing speed(φ 6mm tube, 60HZ) High speed 200 ml/9 seconds Low speed 40 ml/7 seconds Accuracy High speed ± 2 % (50 ml and more) Low speed ± 2 % (5ml ~ less than 50ml) Weight Type Dispensing Mode 5ml ~ 31000 ml (31 L) Under max. scalable weight on the electronic scale Dispensing speed(φ 6mm tube, 60HZ) High speed 200 ml/12 seconds Low speed 40 ml/9 seconds Accuracy ± 1.0g Syringe Dispensing Mode(option) 5 ml ~ 50 ml Dispensing speed(φ 6mm tube, 60HZ) 50 ml/6 seconds Accuracy ± 5 % (5ml ~ less than 50 ml) (Allowable error of commercially-supplied syringes < ± 4 % > should be considered)	Low Volume Precise Dispensing Mode(Pulse motor) 1ml ~ 200 ml Dispensing speed(φ 4mm tube) 10 ml/3.7 seconds 5 ml/2 seconds Accuracy ± 1 % (50 ml から 200 ml) ± 2 % (1ml ~ less than 50ml) min. ± 0.05ml Possible for dispensing into a syringe with a syringe filter: A filter with 0.22 μ or more can be used. Some solvent may not be used.
Operation mode	Standard Dispensing Mode ① Repeated automatic operation repeat dispensing and pause, foot switch or push button to start or stop ② Consecutive operation foot switch/ push button to start or stop ③ Single time operation foot switch/ push button to start or stop Syringe Dispensing Mode(option) ① Consecutive operation 2 stage foot switch, push button to start or stop (flow rate variable by foot switch) ② Single operation foot switch/push button to start or stop	Standard Dispensing Mode Weight Type Dispensing Mode(linked with electronic scale) ① Repeated automatic operation repeat dispensing and pause, foot switch or push button to start or stop ② Consecutive operation foot switch/ push button to start or stop ③ Single time operation foot switch/ push button to start or stop Note: For Weight Type Dispensing Mode, a pass/fail indication of the weight can be given Syringe Dispensing Mode(option) ① Consecutive operation 2 stage foot switch, push button to start or stop (flow rate variable by foot switch) ② Single operation foot switch/push button to start or stop	Low Volume Precise Dispensing Mode(Pulse motor) ① Repeated automatic operation repeat dispensing and pause, foot switch or push button to start or stop ② Consecutive operation foot switch/ push button to start or stop ③ Single time operation foot switch/ push button to start or stop
Power	AC100V, 50/60Hz, 100W	AC100V, 50/60Hz, 100W	AC100V, 50/60Hz, 100W
Drip-proof	Yes	Yes	Yes
Accessories	Silicon rubber tube φ 6 × φ 10 × 2m Guide tube(φ 6mm) 1 piece Connector PP 2 pieces Nozzle(Teflon) 1piece Weight(SUS-304) 1 piece Foot switch 1 piece Cable 1 piece Syringe adopter(option) 1 piece	Electronic scale PJ-320 (linkable with other electronic scales, option) Silicon rubber tube φ 6 × φ 10 × 2m Guide tube(φ 6mm) 1 piece Connector PP 2 pieces Nozzle(middle, Teflon) 1piece Weight(middle, SUS-304) 1 piece Dispensing funnel 1 piece(option) Power grip clamp 1piece(option) Grip head 1 pieces Free clamp 3 pieces SUS supporting pipe 2 pieces SUS pipe 1 piece Foot switch 1 piece Cable 1 piece Syringe adopter(option) 1 piece	Silicon rubber tube φ 4 × φ 8 × 2m Guide tube(φ 6mm) 1 piece Connector PP 2 pieces Nozzle(small, Teflon) 1piece Weight(small, SUS-304) 1 piece Dispensing funnel 1 piece(option) Power grip clamp 1piece(option) Grip head 1 pieces Free clamp 3 pieces SUS supporting pipe: 2 pieces SUS pipe: 1 piece Foot switch 1 piece Cable 1 piece