

# FCS KA3

25K flip-top peristaltic pump with Stepper Motor.



## Technical Data

### Flow per Revolution

ID Ø 2.4 mm (x 1.6 mm wall)	0.60 / 0.55 ml per revolution (3 / 4 rollers)
ID Ø 3.2 mm (x 1.6 mm wall)	1.10 / 1.00 ml per revolution (3 / 4 rollers)
ID Ø 4.8 mm (x 1.6 mm wall)	2.50 / 2.10 ml per revolution (3 / 4 rollers)
ID Ø 6.4 mm (x 1.6 or 2.4 mm wall)	3.50 / 3.00 ml per revolution (3 / 4 rollers)
ID Ø 8.0 mm (x 1.6 or 2.4 mm wall)	4.20 / 3.50 ml per revolution (3 / 4 rollers)

### Max Flow / Speed

ID Ø 2.4 mm (x 1.6 mm wall)	480 ml at 800 rpm / 440 ml at 800 rpm (3 / 4 rollers)
ID Ø 3.2 mm (x 1.6 mm wall)	660 ml at 600 rpm / 600 ml at 600 rpm (3 / 4 rollers)
ID Ø 4.8 mm (x 1.6 mm wall)	1250 ml at 500 rpm / 1050 ml at 500 rpm (3 / 4 rollers)
ID Ø 6.4 mm (x 2.4 mm wall)	1750 ml at 500 rpm / 1025 ml at 400 rpm (3 / 4 rollers)
ID Ø 8.0 mm (x 2.4 mm wall)	2100 ml at 500 rpm / 1130 ml at 400 rpm (3 / 4 rollers)

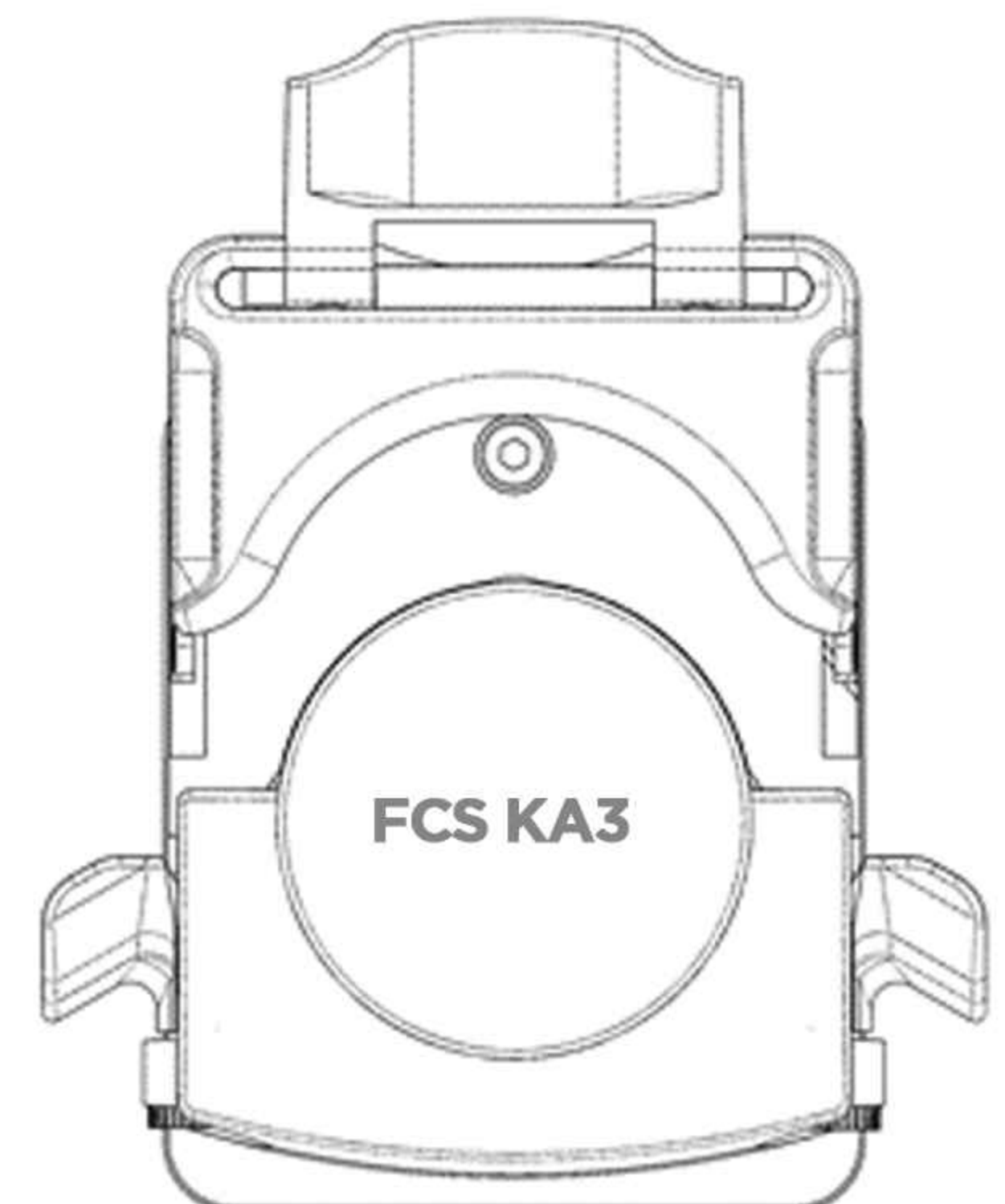
### ID Ø 6.4 mm and 8.0 mm with 1.6 mm wall has reduced max flow / speed:

ID Ø 6.4 mm (x 1.6 mm wall)	1050 ml at 300 rpm / 900 ml at 300 rpm (3 / 4 rollers)
ID Ø 8.0 mm (x 1.6 mm wall)	1260 ml at 300 rpm / 840ml at 300 rpm (3 / 4 rollers)

### Optional Sensors

Optical speed sensor	12 pulses per revolution
Reed speed / stall sensor	Contacts close once per revolution
Reed lid sensor (to confirm tube clamp is in the locked position)	Contacts close in locked position

All data measured with 'run-in' Pharm-a-line tubing and H2O.



### General Data

Max pressure	2.0 bar
Max suction height (dry)	9 m H <sub>2</sub> O
Motor life	>10000 hour
Weight (without driver)	1425g

### Power Consumption

(including A4 driver)	15 to 24
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### Tube Materials

Pharm-a-line / Silicone / Lagoprene / ED-Plex