

# PF7+

PF7 Series peristaltic filling machines

## Features and benefits

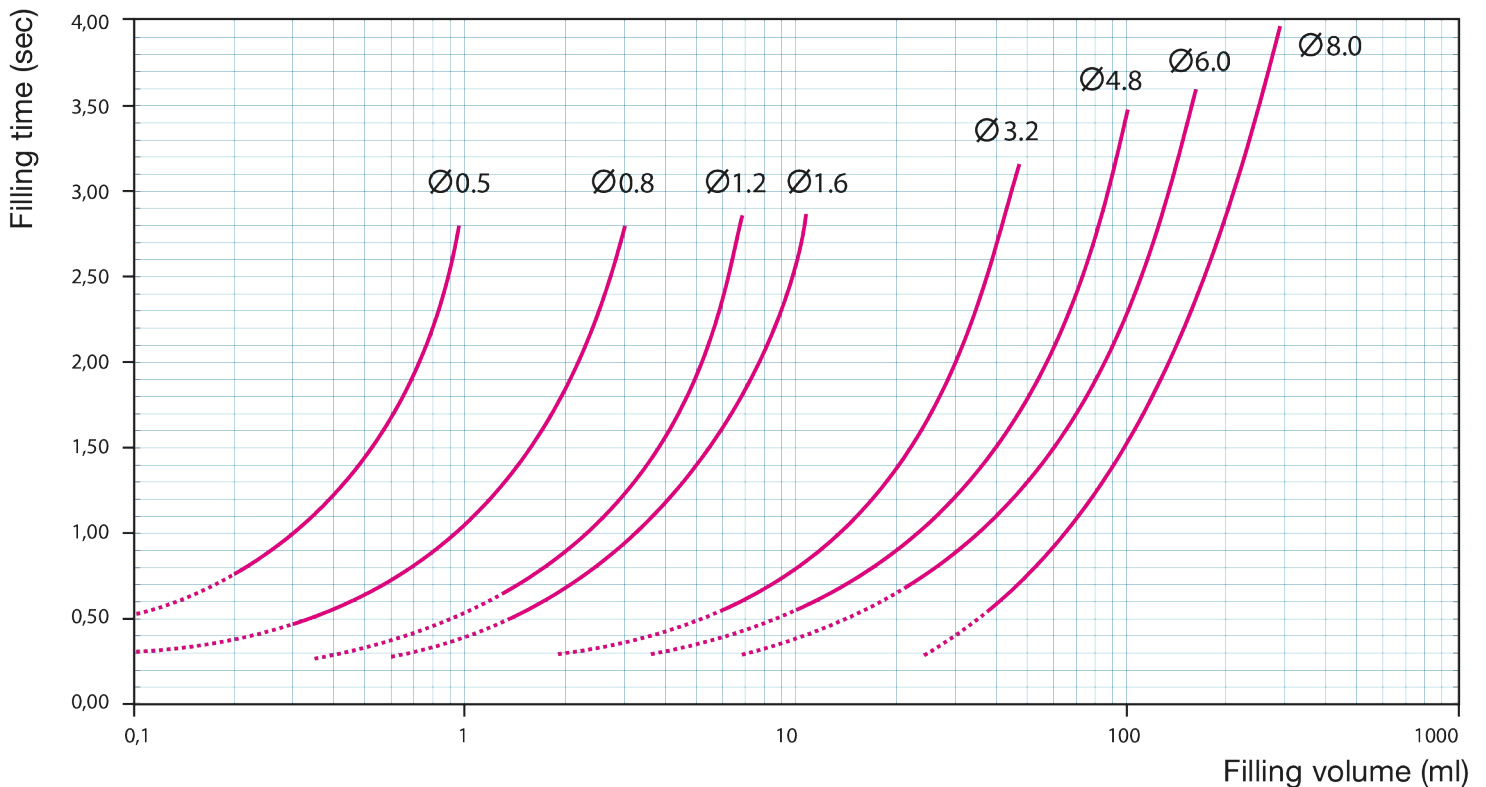
- Precision filling from micro-volumes
- Repeatable filling accuracies of better than  $\pm 0.5\%$  to prevent costly over filling
- No foaming, splashing or dripping
- User-programmable 'recipes' where users can define filling parameters
- Easy-to-clean surfaces with no entrapment areas and an ergonomic design for operation on the bench or in biosafety cabinets (BSC) and LAF units
- Clear and intuitive colour display with large keypad for easy use when gowned up in cleanroom environments
- IQ/OQ documentation available
- 5-year warranty



## PF7+ performance

Performance		
Fill volume / ml	Bore / mm (in)	Typical fill time / s
0.2	0.5 (1/32)	0.75
1.0	0.8 (1/32)	1.10
1.4	1.2 (1/8)	0.75
1.8	1.6 (1/16)	0.60
8.0	3.2 (1/8)	0.70
15.0	4.8 (3/16)	0.80
24.0	6.0 (1/4)	0.80
50.0	8.0 (5/16)	0.80

PF7 – capacity diagram (based on water)



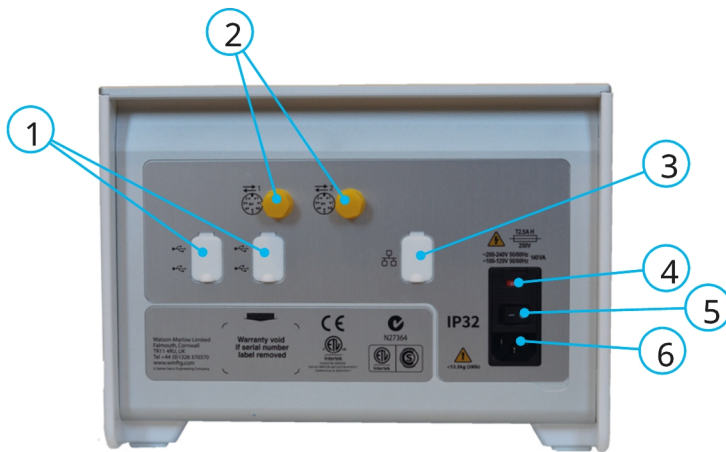
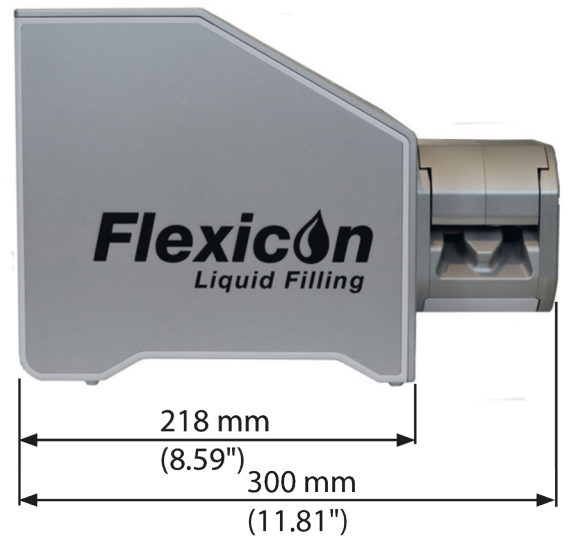
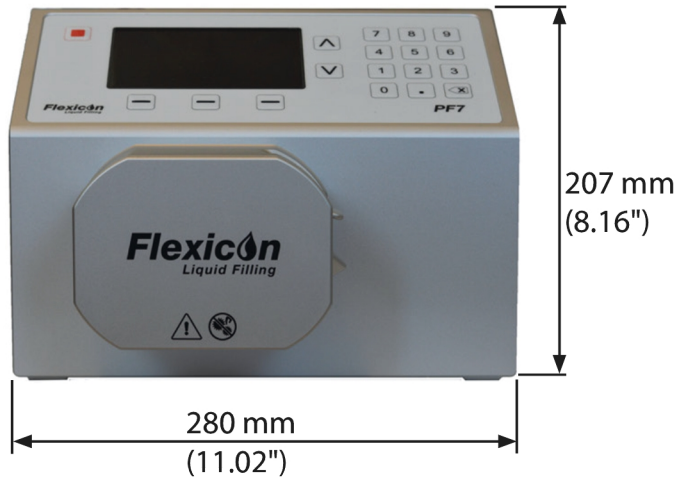
## Technical specifications

	PF7+
Accuracy	Better than $\pm 0.5\%$
Ingress Protection	IP32, NEMA 2
Operating temperature range	5 °C to 40 °C
Operating temperature range	41 °F to 104 °F
Speed control ratio	570:1
Humidity	(Non-condensing) 80 % up to 31 °C (88 °F) decreasing linearly to 50 % at 40 °C (104 °F)
Noise	<70db (A) at 1m
Standards	CAN/CSA C22.2 No 61010-1, CE, cETLus, UL 61010-1
Power supply	50/60 Hz, Filtered 100 V to 120 V/200 V to 240 V, Single-phase
Power consumption	140 VA
Weight	12.5 kg
Weight	27.6 lbs
Full load current	<0.6 A at 230 V, <1.25 A at 115 V
Fuse rating	2.5 amps
Accessories	Foot switch, filling stand, Advanced filling kit (AFK)
Compatible tubing size	0.5 to 8.0 mm ID

## Materials of construction

	PF7+
Casework	ABS plastic, Anodised aluminium
Keypad/HMI	Polycarbonate (PC), Polyester
Pumphead roller assembly	Stainless steel 316
Tube bridge	Anodised aluminium EN AW-5754

## PF7+ dimensions



Rear panel	
Feature	Description
1	USB 2.0
2	M12 connectors
3	RJ45 10/100 Mbps (For export capability from pump only, not control use. Not designed for use with EtherNet/IP™. Not designed for use with PROFINET)
4	Voltage selector
5	Power switch
6	Power supply socket

## Product codes

Pump product codes	
Description	Partcode
PF7+ Peristaltic Filler	91-068-14X*
PF7/PF7+ Foot Pedal Switch	88-210-040
PF7+ Filling Stand	88-200-200
PF7+ IQOQ Protocol for 1 unit	74-156-440
PF7+ IQOQ Execution	74-156-441
PF7+ IQOQ Additional units	74-156-442
PF7/QC14	91-060-14X
PF7/QC12	91-060-00X
PF7 Filling Stand	81-100-200
PF7 IQOQ Protocol	74-156-443
PF7 IQOQ Execution	74-156-444
FlexFeed 15	92-160-300
FlexFeed 20	92-170-100
FlexFeed 30	Contact local sales office
Advanced Filling Kit (up to 30R vials)	88-208-00X*
Advanced Filling Kit (50R-100R vials)	88-208-22X*
Wireless Cleanroom Keyboard	88-100-001
Field replaceable parts	
QC14 pumphead for PF7+/PF7	87-068-000
QC14 tubebridge for PF7+/PF7	87-068-047
QC14 complete tubelock set	87-068-500
QC14 replacement access tray	87-068-055
Weigh pan set for Advanced Filling Kit	87-208-001

*Plug options	
U:	UK mains plug
E:	EU mains plug
A:	American mains plug
K:	Australia mains plug
R:	Argentina mains plug
C:	Swiss mains plug
D:	India/South Africa mains plug
B:	Brazilian mains plug
J:	Israel mains plug

Accusil platinum-cured tube ordering codes			
Bore / mm (in)	Wall / mm (in)	Length / m (ft)	Part code
0.5 ( $\frac{1}{32}$ )	1.6 ( $\frac{1}{16}$ )	10 (32.8)	84-103-005
		150 (492.1)	84-104-005
0.8 ( $\frac{1}{16}$ )	1.6 ( $\frac{1}{16}$ )	10 (32.8)	84-103-008
		150 (492.1)	84-104-008
1.2 ( $\frac{1}{8}$ )	1.6 ( $\frac{1}{16}$ )	10 (32.8)	84-103-012
		150 (492.1)	84-104-012
1.6 ( $\frac{1}{8}$ )	1.6 ( $\frac{1}{16}$ )	10 (32.8)	84-103-016
		150 (492.1)	84-104-016
3.2 ( $\frac{1}{4}$ )	1.8 ( $\frac{1}{16}$ )	10 (32.8)	84-103-032
		150 (492.1)	84-104-032
4.8 ( $\frac{3}{16}$ )	2.0 ( $\frac{10}{127}$ )	10 (32.8)	84-103-048
		125 (410.1)	84-104-048
6.0 ( $\frac{1}{5}$ )	2.1 ( $\frac{10}{127}$ )	10 (32.8)	84-103-060
		90 (290.3)	84-104-060
8.0 ( $\frac{5}{16}$ )	2.2 ( $\frac{1}{25}$ )	10 (32.8)	84-103-080
		65 (213.2)	84-104-080

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