

# PF7+

PF7 Series peristaltic filling machines

## Features and benefits

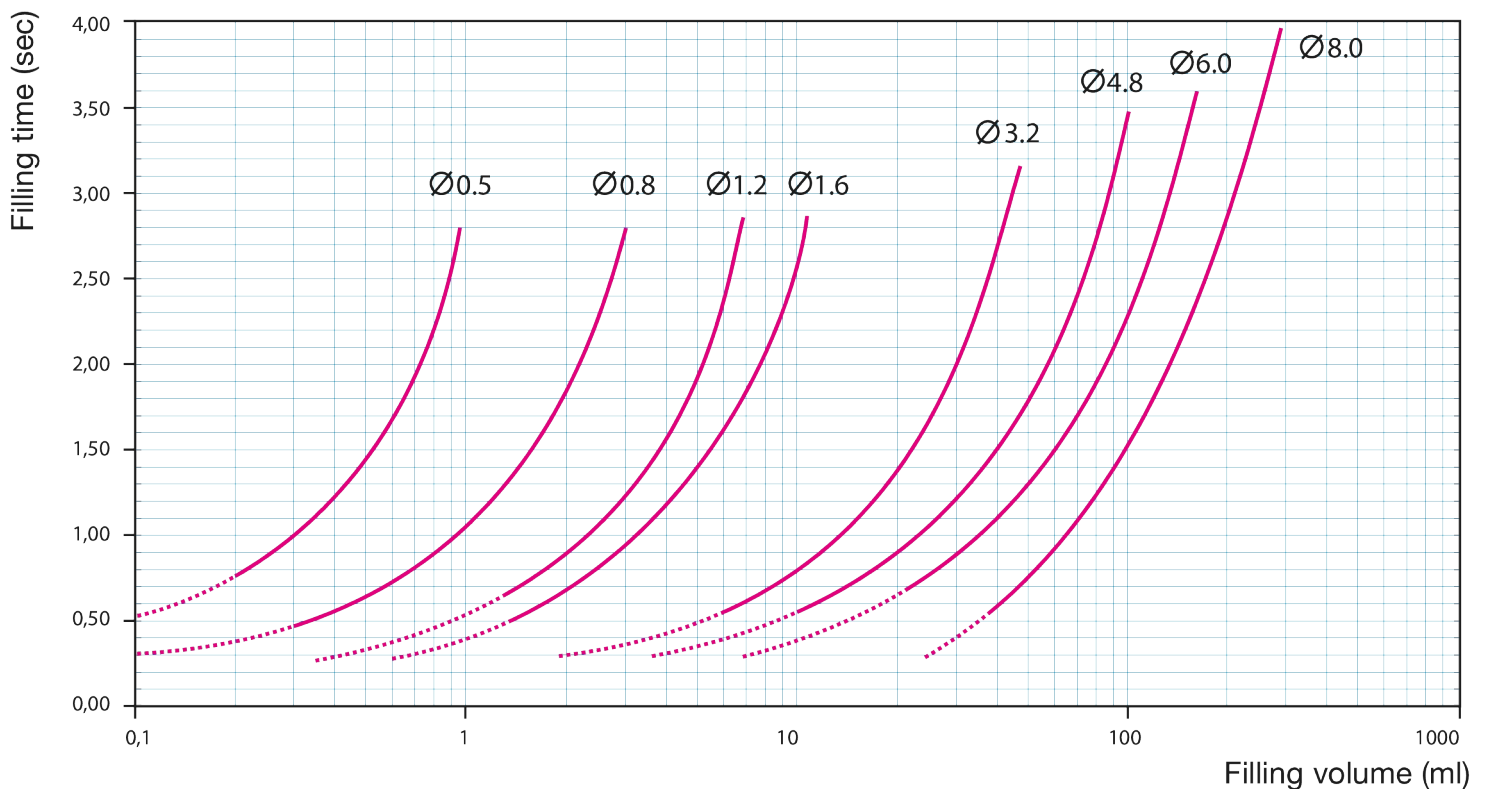
- Precision filling from micro-volumes
- Repeatable filling accuracies of better than  $\pm 0.5\%$  to prevent costly over filling
- No foaming, splashing or dripping
- User-programmable 'recipes' where users can define filling parameters
- Easy-to-clean surfaces with no entrapment areas and an ergonomic 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



## 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)



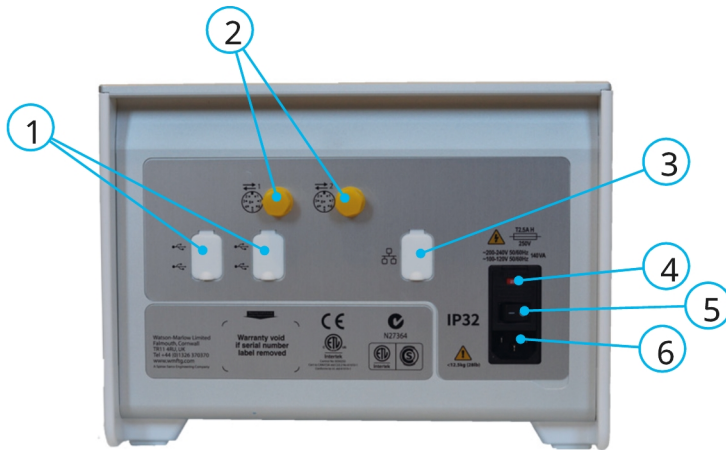
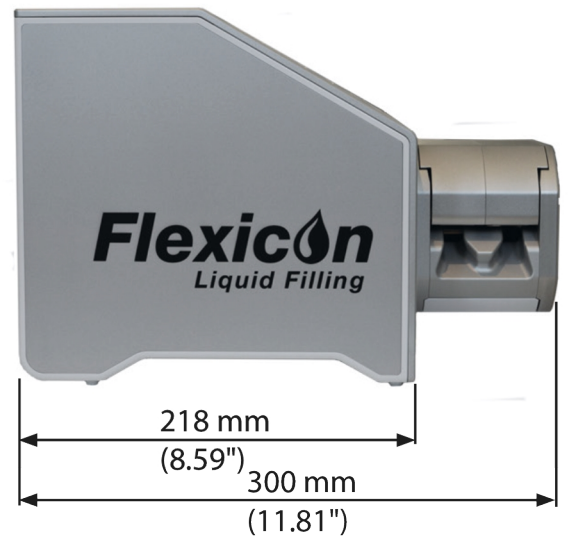
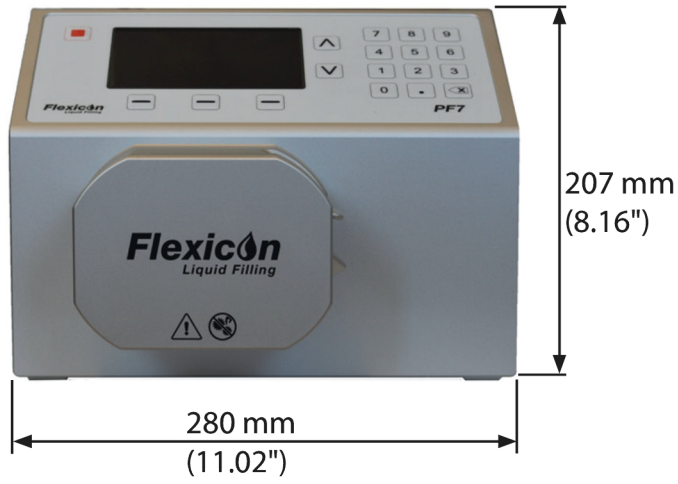
## Technical specifications

	PF7+
Ingress Protection	IP32, NEMA 2
Operating temperature range	5 to 40 °C
Operating temperature range	41 to 104 °F
Speed control ratio	570:1
Humidity	(Non-condensing) 80% up to 31°C (88°F), decreasing linearly to 50% at 40C (104F)
Standards	CAN/CSA C22.2 No 61010-1, CE, cETLus, UL 61010-1
Power supply	50/60 Hz, Filtered 100 to 120 V/200 to 240 V, Single-phase
Power consumption	140 VA
Weight	12.5 kg
Weight	27.6 lbs
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, Anodized aluminum
Keypad/HMI	Polycarbonate (PC), Polyester
Pumphead roller assembly	Stainless steel 316
Tube bridge	Anodized aluminum 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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