

120 PERISTALTIC PUMPS

NEW

Small, Simple, Precise



The new 120 peristaltic pumps

- Compact footprint saves bench space
- Exceptional speed control and accuracy
- New flip-top 114 pumphead up to 190 ml/min
- Simple: minimum key presses, intuitive operation



For biopharm, science, research and OEM

Fermentation

The 120 is the perfect pump for maximizing yield in fermentation and cell culture applications. Ultra-compact and stackable for multiple feeds like pH control, antifoam, nutrient and buffer addition, the



120 offers the ideal combination of size and technology to optimize your process.

Single-use systems

The new 120 pump is perfectly suited to singleuse systems where no contamination can be accepted. Error-free tube change takes only seconds, with tubing automatically clamped and tensioned to ensure repeatable performance.



Process validation

The biopharm process requires accurate and repeatable pumping which is easy to validate. With an exceptional 2,000:1 speed range and a selection of USP Class VI tubes, the 120 delivers the flexibility and purity so vital to drug trials. A keypad lock secures your pumping parameters for constant and repeatable performance.





Small, simple, precise

Compact footprint

The compact, stackable 120 pump saves valuable space in cleanroom, LAF and biosafety cabinet installations.



Flexible control

The 120 range of fixed speed, manual control or auto control pumps all guarantee ±1% accuracy, considerably better than the nearest competitive peristaltic pumps. For ultimate flexibility, the 120U delivers 2,000:1 speed control.



High accuracy flows

The flip-top 114DV pumphead assures trouble-free tube loading in seconds for high accuracy and repeatable flow, and long tube life.



Intuitive use

The 120 pump's intuitive interface makes the pump easy and quick to setup, with fewer key presses for fewer mistakes. The pump brings maximum efficiency to your process.



Hygienic

The pump case has no sharp edges to tear gloves and no bug traps. Rated to NEMA 2, it is ideally suited for ethanol wipe-down.



Process security

Two of the 120 models feature a keypad lock. The security of your process and product is safe with a 120 pump.



The Watson-Marlow family of pumps

Watson-Marlow value

Our pumps combine simple operation with sophisticated control and flow accuracy – available next day and backed by an outstanding warranty and knowledgeable global support. Our products deliver real value with minimum maintenance, maximum performance and the lowest lifecycle cost.

Three-year warranty

Demonstrating total confidence in our reliability and our commitment to customer satisfaction, Watson-Marlow 120 pumps carry a three-year warranty. Your production is safe with us.

The perfect pump

Low-shear peristaltic pumping is created by compressing a tube with rollers, which progress the fluid forward. This simple dynamic effect requires no seals or valves to leak, clog or replace. The fluid is totally contained within the tube, eliminating contamination risks and simplifying validation. The pump handles delicate or viscous fluids with precision, and pumps suspended solids and live cells with integrity.



PROCESS UPSCALING The 120 is the latest model in the world's most widely respected biopharm pumps range

Full scale production



120 for flows up to 190 ml/min, pressures up to 30 psi

323 for flows up to 2,000 ml/min, pressures up to 30 psi

520 for flows up to 3,500 ml/min, pressures up to 100 psi

620 for flows up to 18 liter/min, pressures up to 60 psi

720 for flows up to 66 liter/min, pressures up to 30 psi

Choose your pump

Three drives



Fixed speed

The 120F is offered in five fixed flow rate versions: 10, 17, 31, 52 and 220 rpm. Pumphead options are the 114DV and the 120R.



Manual variable speed

The manual control, variable speed 120S offers 1-200 rpm operation in 1 rpm

increments. It features speed scrolling, priming and keypad lock. All pumpheads are available.



Automatic control

The 0.1 to 200 rpm 120U offers manual remote control of the pump in 0.1 rpm increments or automatic control via 4-20mA or 0-10V

inputs. All pumpheads are available.

Five pumpheads



114**DV**

The flip-top, 114DV singlechannel pumphead assures trouble-free continuous tube loading in seconds, high accuracy and repeatable flow.

It accepts tubing in bores sizes 0.5mm to 4.8mm.



102R

The 102R single-channel pumphead with two-roller rotor is suitable for silicone tubing in bore sizes 0.5mm to 4.8mm.



400 series

The single-channel 400D1 accepts tubing from 0.5mm to 3.2mm. The multi-channel 400DM2 and 400DM3 pumpheads use three-bridge manifold tubing.

Tubing



Pumpsil

Pumpsil platinum-cured silicone tubing is Animal Derived Content Free (ADCF) and laser-etched to make it lot traceable, and is post-cured to

reduce leachables to near zero. It is manufactured in our own dedicated tubing plant, and carries full USP Class VI and ISO 10993 certification, is FDA compliant and is fully validated.



PureWeld XL

Fully weldable ADCF and heat-sealable PureWeld XL thermoplastic elastomer gives excellent pumping performance and produces

virtually no internal spallation. It is USP Class VI and FDA compliant, and is fully validated.



Bioprene

Bioprene thermoplastic elastomer offers the best combination of purity, chemical compatibility and long pumping life. It is

manufactured in our own dedicated tubing plant. It is USP Class VI certified and FDA compliant, and is fully validated.

STA-PURE PCS

GORE STA-PURE PCS is a composite of silicone in an ePTFE lattice. It offers 18 times the pumping life of silicone. It is USP Class VI approved.

STA-PURE PFL

GORE STA-PURE PFL is a composite of ePTFE and a highgrade fluoroelastomer, offering extraordinary chemical resistance and long life. It is USP Class VI approved.

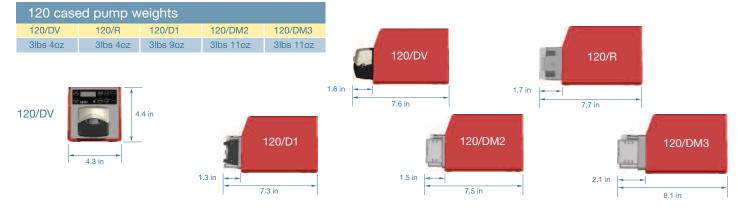
Performance information

Tube bore and flow rates 114D	V, 102R and 400D1 (m	ıl/min)					
Model and Speed	0.5mm	0.8mm	1.6mm	2.4mm	3.2mm	4.0mm	4.8mm
20F/DV 10 rpm	0.2	0.4	1.4	2.9	4.7	6.7	8.5
20F/DV 17 rpm	0.3	0.7	2.4	4.9	8.0	11	14
120F/DV 31 rpm	0.6	1.2	4.3	9.0	15	21	26
120F/DV 52 rpm	1.0	2.1	7.3	15	24	35	44
120F/DV 220 rpm	4.4	8.8	31	64	100	150	190
120S/DV 1-200 rpm	0.02-4.0	0.04-8.0	0.14-28	0.29-58	0.47-94	0.67-130	0.85-170
120U/DV 0.1-200 rpm	0.002-4.0	0.004-8.0	0.014-28	0.029-58	0.047-94	0.067-130	0.085-17
120F/R 10 rpm	0.3	0.5	2.1	-	8.5	-	17
120F/R 17 rpm	0.5	0.9	3.6	-	14	-	29
120F/R 31 rpm	0.9	1.6	6.5	-	26	-	52
120S/R 1 - 32 rpm	0.03-0.9	0.05-1.6	0.21-6.7	-	0.85-27	-	1.6-54
120U/R 0.1 - 32 rpm	0.003-0.9	0.005-1.6	0.02-6.7	-	0.09-27	-	0.16-54
120S/D1 1-200 rpm	0.01-2.2	0.03-5.8	0.11-23	0.24-49	0.41-81	0.59-120	_
120U/D1 0.1 - 200 rpm	0.001-2.2	0.003-5.8	0.011-23	0.024-49	0.041-81	0.059-120	-
Tube bore and flow rates 400D	M2 and 400DM3 (ml/r	nin)					
Model and Speed	0.13mm	0.19mm	0.25mm	0.38mm	0.50mm	0.63mm	0.76mm
120S/DM2 1-100 rpm	0.001-0.1	0.002-0.2	0.004-0.4	0.008-0.8	0.014-1.4	0.022-2.2	0.031-3.
120U/DM3 0.1-100 rpm	0.0001-0.1	0.0002-0.2	0.0004-0.4	0.0008-0.8	0.001-1.4	0.002-2.2	0.003-3.
	0.88mm	1.02mm	1.14mm	129mm	1.42mm	1.52mm	1.65mm
120S/DM2 1-100 rpm	0.043-4.3	0.055-5.5	0.070-7.0	0.089-8.9	0.110-11	0.120-12	0.140-14
120U/DM3 0.1-100 rpm	0.004-4.3	0.006-5.5	0.007-7.0	0.009-8.9	0.011-11	0.012-12	0.014-14
	1.85mm	2.05mm	2.29mm	2.54mm	2.79mm		
120S/DM2 1-100 rpm	0.180-18	0.210-21	0.260-26	0.31-31	0.360-36	_	_
120U/DM3 0.1-100 rpm	0.018-18	0.021-21	0.026-26	0.031-31	0.036-36	_	_

Product ordering

	des						
Pump	Specificati	on	Pumphead				Product code
120F/DV	10 rpm		114DV pump	114DV pumphead, continuous tubing, max 22.5 psi			
	17 rpm			114DV pumphead, continuous tubing, max 22.5 psi			
	31 rpm		114DV pump	head, continuous tubir	ng, max 22.5 psi		010.6113.DA0
	52 rpm		114DV pump	head, continuous tubir	ng, max 22.5 psi		010.6114.DA0
	220 rpm		114DV pump	114DV pumphead, continuous tubing, max 22.5 psi			
120F/R	10 rpm		102R pumph	102R pumphead, continuous tubing, max 7.5 psi			
	17 rpm		102R pumph	ead, continuous tubing	g, max 7.5 psi		010.6112.R00
	31 rpm			ead, continuous tubing			010.6113.R00
120S/DV	1-200 rpm			114DV pumphead, continuous tubing, max 30 psi			
120S/R	1-32 rpm			ead, continuous tubing			010.6131.R00
120S/D1	1-200 rpm			head, continuous tubir			010.6131.010 010.6131.M20
120S/DM2	1-100 rpm			400DM2 pumphead, manifold tubing, max 30 psi			
120S/DM3	1-100 rpm			400DM3 pumphead, manifold tubing, max 30 psi			
120U/DV	0.1-200 rpm			114DV pumphead, continuous tubing, max 30 psi			
120U/R	0.1-32 rpm			ead, continuous tubing			010.6141.R00 010.6141.010
120U/D1	0.1-200 rp			400D1 pumphead, continuous tubing, max 30 psi			
120U/DM2	0.1-100 rp			400DM2 pumphead, manifold tubing, max 30 psi 400DM3 pumphead, manifold tubing, max 30 psi			
120U/DM3	0.1-100 rp	m	400DM3 pun	npnead, manifold tubin	g, max 30 psi		010.6141.M30
Pumpheads							
Pumphead	Specification						Product code 013.6000.00A
114DV		•	epts continuous tubing o	•			
102R		•		nuous Pumpsil silicone tubing only			
400D1				ots continuous tubing only, 3.2mm (1/8in) bore maximum			
400DM2	2-channel pumphead. Accepts m						
400DM3			Accepts manifold tubing				043.001D.D3C
	g for 114DV, ⁻	102R and 400	D1 pumpheads 1.6mm (1/16in) thin wall tubing			
Bore	0.5mm	0.8mn		2.4mm (3/32in)	3.2mm	4.0mm	4.8mm
Pumpsil	(#112, 1/50ir				(#16, 1/8in) 913.A032.016	(5/32in) 913.A040.016	(#25, 3/16in) 913.A048.016
	913.A005.016 913.A008.016		1000.010 313.7010.0	10 310.7024.010	310.7002.010	310.7040.010	310.7040.010
Rionrene			003 0016 003 0016 0	16 903 0024 016	903 0032 016	903 0040 016	903 0048 016
Bioprene	903.0005.0	903.0	903.0016.0		903.0032.016	903.0040.016	903.0048.016
STA-PURE PCS	903.0005.0		960.0016.0	16 –	960.0032.016	-	960.0048.016
STA-PURE PCS STA-PURE PFL	903.0005.0	016 903.0 - -		16 – 16 –			
STA-PURE PCS STA-PURE PFL PureWeld XL	903.0005.0 - - 941.0005.0	016 903.0 - - - 016 -	960.0016.0 965.0016.0 941.0016.0	16 – 16 –	960.0032.016 965.0032.016	-	960.0048.016 965.0048.016
STA-PURE PCS STA-PURE PFL PureWeld XL Manifold tubing fo	903.0005.0 - - 941.0005.0 or 400DM2 ar	016 903.0 - - 016 - nd 400DM3 pu	960.0016.0 965.0016.0 941.0016.0 umpheads	16 – 16 – 16 –	960.0032.016 965.0032.016 941.0032.016	-	960.0048.016 965.0048.016 941.0048.016
STA-PURE PCS STA-PURE PFL PureWeld XL Manifold tubing fo Color code	903.0005.0 - - 941.0005.0 or 400DM2 ar Wall mm	016 903.0 - 016 - nd 400DM3 pu	960.0016.0 965.0016.0 941.0016.0 umpheads Autoclavable Marpre	16 – 16 – 16 –	960.0032.016 965.0032.016 941.0032.016 PVC	-	960.0048.016 965.0048.016
STA-PURE PCS STA-PURE PFL PureWeld XL Manifold tubing fo Color code Orange/black	903.0005.0 - - 941.0005.0 or 400DM2 ar Wall mm 0.8	016 903.0 - 016 - 016 - 016 - 017 Bore mm 0.13	960.0016.0 965.0016.0 941.0016.0 umpheads	16 – 16 – 16 –	960.0032.016 965.0032.016 941.0032.016 PVC 981.001	3.000	960.0048.016 965.0048.016 941.0048.016
STA-PURE PCS STA-PURE PFL PureWeld XL Manifold tubing fo Color code Orange/black Orange/red	903.0005.0 - - 941.0005.0 or 400DM2 ar Wall mm 0.8 0.8	016 903.0 - 016 - 016 - 018 Pore mm 0.13 0.19	960.0016.0 965.0016.0 941.0016.0 umpheads Autoclavable Marpre	16 – 16 – 16 – 16 – Marprene – –	960.0032.016 965.0032.016 941.0032.016 PVC 981.001 981.001	- - - 3.000 9.000	960.0048.016 965.0048.016 941.0048.016 Silicone
STA-PURE PCS STA-PURE PFL PureWeld XL Manifold tubing fo Color code Orange/black Orange/red Orange/blue	903.0005.0 - - 941.0005.0 or 400DM2 ar Wall mm 0.8 0.8 0.8	016 903.0 - 016 - 016 - 018 0.13 0.19 0.25	960.0016.0 965.0016.0 941.0016.0 umpheads Autoclavable Marprel 979.0025.00+	16 – 16 – 16 – 16 – 16 – 17 Marprene – 18 – 19 979.0025.000	960.0032.016 965.0032.016 941.0032.016 PVC 981.001 981.001 981.002	- - - 3.000 9.000 5.000	960.0048.016 965.0048.016 941.0048.016
STA-PURE PCS STA-PURE PFL PureWeld XL Manifold tubing for Color code Orange/black Orange/red Orange/blue Orange/blue Orange/green	903.0005.0 941.0005.0 or 400DM2 ar Wall mm 0.8 0.8 0.8 0.8	016 903.0 - 016 - 016 - 0.13 0.19 0.25 0.38	960.0016.0 965.0016.0 941.0016.0 umpheads Autoclavable Marpre - - 979.0025.00+ 979.0038.00+	166 – 166 – 16 – 16 – 17 Marprene 18 – 19 979.0025.000 19 979.0038.000	960.0032.016 965.0032.016 941.0032.016 PVC 981.001 981.001 981.002 981.003	- - - 3.000 9.000 5.000 8.000	960.0048.016 965.0048.016 941.0048.016 Silicone
STA-PURE PCS STA-PURE PFL PureWeld XL Manifold tubing for Color code Orange/black Orange/red Orange/folue Orange/green Orange/green Orange/yellow	903.0005.0 	016 903.0 - 016 - 016 - 0.13 0.19 0.25 0.38 0.50	960.0016.0 965.0016.0 941.0016.0 umpheads Autoclavable Marprel - - 979.0025.00+ 979.0038.00+ 979.0050.00+	ne Marprene - 979.0025.000 979.0038.000 979.0050.000	960.0032.016 965.0032.016 941.0032.016 PVC 981.001 981.001 981.002 981.003	3.000 9.000 5.000 8.000 0.000	960.0048.016 965.0048.016 941.0048.016 Silicone
STA-PURE PCS STA-PURE PFL PureWeld XL Manifold tubing for Color code Orange/black Orange/red Orange/lolue Orange/green Orange/yellow Orange/white	903.0005.0 	016 903.0 - 016 - 016 - 0.13 0.19 0.25 0.38 0.50 0.63	960.0016.0 965.0016.0 941.0016.0 umpheads Autoclavable Marprei - 979.0025.00+ 979.0038.00+ 979.0050.00+ 979.0063.00+	ne Marprene 979.0025.000 979.0038.000 979.0063.000	960.0032.016 965.0032.016 941.0032.016 PVC 981.001 981.001 981.002 981.003 981.005 981.005	3.000 9.000 5.000 8.000 0.000 3.000	960.0048.016 965.0048.016 941.0048.016 Silicone 983.0063.000
STA-PURE PCS STA-PURE PFL PureWeld XL Manifold tubing for Color code Orange/black Orange/red Orange/plue Orange/green Orange/green Orange/white Black/black	903.0005.0 	016 903.0 - 016 - 016 - 0.13 0.19 0.25 0.38 0.50 0.63 0.76	960.0016.0 965.0016.0 941.0016.0 umpheads Autoclavable Marprei 979.0025.00+ 979.0038.00+ 979.0050.00+ 979.0063.00+ 979.0076.00+	ne Marprene 979.0025.000 979.0038.000 979.0063.000 979.0063.000 979.0076.000	960.0032.016 965.0032.016 941.0032.016 PVC 981.001 981.001 981.002 981.003 981.005 981.006	3.000 9.000 5.000 8.000 0.000 3.000 6.000	960.0048.016 965.0048.016 941.0048.016 Silicone 983.0063.000 983.0076.000
STA-PURE PCS STA-PURE PFL PureWeld XL Manifold tubing for Color code Orange/black Orange/red Orange/blue Orange/green Orange/yellow Orange/white Black/black Orange/orange	903.0005.0 941.0005.0 or 400DM2 ar Wall mm 0.8 0.8 0.8 0.8 0.8 0.8 0.8	016 903.0 - 016 - 016 - 0.13 0.19 0.25 0.38 0.50 0.63 0.76 0.88	960.0016.0 965.0016.0 941.0016.0 941.0016.0 umpheads Autoclavable Marpre 979.0025.00+ 979.0038.00+ 979.0063.00+ 979.0063.00+ 979.0076.00+ 979.0088.00+	ne Marprene 979.0025.000 979.0038.000 979.0063.000 979.0063.000 979.0076.000 979.0088.000	960.0032.016 965.0032.016 941.0032.016 PVC 981.001 981.002 981.003 981.005 981.006 981.007 981.007	3.000 9.000 5.000 8.000 0.000 3.000 6.000 8.000	960.0048.016 965.0048.016 941.0048.016 Silicone 983.0063.000 983.0076.000 983.0088.000
STA-PURE PCS STA-PURE PFL PureWeld XL Manifold tubing for Color code Orange/black Orange/red Orange/green Orange/green Orange/white Black/black Orange/orange White/white	903.0005.0 941.0005.0 or 400DM2 ar Wall mm 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	016 903.0 - 016 - 016 - 018 0.13 0.19 0.25 0.38 0.50 0.63 0.76 0.88 1.02	960.0016.0 965.0016.0 941.0016.0 941.0016.0 umpheads Autoclavable Marpre 979.0025.00+ 979.0038.00+ 979.0063.00+ 979.0076.00+ 979.0088.00+ 979.0102.00+	ne Marprene - 979.0025.000 979.0038.000 979.0063.000 979.0063.000 979.0088.000 979.0088.000 979.0102.000	960.0032.016 965.0032.016 941.0032.016 PVC 981.001 981.002 981.003 981.003 981.005 981.006 981.007 981.008	3.000 9.000 5.000 8.000 0.000 3.000 6.000 8.000 2.000	960.0048.016 965.0048.016 941.0048.016 Silicone 983.0063.000 983.0076.000 983.0088.000 983.0102.000
STA-PURE PCS STA-PURE PFL PureWeld XL Manifold tubing for Color code Orange/black Orange/plack Orange/gred Orange/green Orange/yellow Orange/white Black/black Orange/orange White/white Red/red	903.0005.0	016 903.0 - 016 - 016 - 018 0.13 0.19 0.25 0.38 0.50 0.63 0.76 0.88 1.02 1.14	960.0016.0 965.0016.0 941.0016.0 941.0016.0 umpheads Autoclavable Marprei - 979.0025.00+ 979.0038.00+ 979.0063.00+ 979.0063.00+ 979.0088.00+ 979.0088.00+ 979.0114.00+	ne Marprene - 979.0025.000 979.0038.000 979.0063.000 979.0063.000 979.0088.000 979.0102.000 979.0114.000	960.0032.016 965.0032.016 941.0032.016 PVC 981.001 981.002 981.003 981.005 981.006 981.007 981.008	3.000 9.000 5.000 8.000 0.000 3.000 6.000 8.000 2.000 4.000	960.0048.016 965.0048.016 941.0048.016 Silicone 983.0063.000 983.0076.000 983.0088.000 983.0102.000 983.0114.000
STA-PURE PCS STA-PURE PFL PureWeld XL Manifold tubing for Color code Orange/black Orange/red Orange/blue Orange/green Orange/yellow Orange/white Black/black Orange/orange White/white Red/red Grey/grey	903.0005.0	016 903.0 - 016 - 016 - 016 - 013 0.19 0.25 0.38 0.50 0.63 0.76 0.88 1.02 1.14 1.29	960.0016.0 965.0016.0 941.0016.0 941.0016.0 umpheads Autoclavable Marpre - - 979.0025.00+ 979.0038.00+ 979.0050.00+ 979.0063.00+ 979.0088.00+ 979.0102.00+ 979.0114.00+ 979.0129.00+	ne Marprene 979.0025.000 979.0038.000 979.0063.000 979.006.000 979.008.000 979.012.000 979.0114.000 979.0129.000	960.0032.016 965.0032.016 941.0032.016 PVC 981.001 981.002 981.003 981.005 981.006 981.007 981.008 981.007 981.009 981.010 981.011	- - - - 3.000 9.000 5.000 8.000 0.000 3.000 6.000 8.000 2.000 4.000 9.000	960.0048.016 965.0048.016 941.0048.016 Silicone 983.0063.000 983.0076.000 983.0088.000 983.0114.000 983.0114.000 983.0129.000
STA-PURE PCS STA-PURE PFL PureWeld XL Manifold tubing for Color code Orange/black Orange/red Orange/blue Orange/green Orange/yellow Orange/white Black/black Orange/orange White/white Red/red Grey/grey Yellow/yellow	903.0005.0 941.0005.0 7 400DM2 ar Wall mm 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0	016 903.0 016 016 018 0.19 0.25 0.38 0.50 0.63 0.76 0.88 1.02 1.14 1.29 1.42	960.0016.0° 965.0016.0° 941.0016.0° 941.0016.0° umpheads Autoclavable Marprel 979.0025.00+ 979.0038.00+ 979.0050.00+ 979.0063.00+ 979.0088.00+ 979.0102.00+ 979.0114.00+ 979.0114.00+ 979.0142.00+	ne Marprene - 979.0025.000 979.0038.000 979.0063.000 979.0063.000 979.0076.000 979.008.000 979.0102.000 979.0114.000 979.0129.000 979.0142.000	960.0032.016 965.0032.016 941.0032.016 PVC 981.001 981.002 981.003 981.005 981.006 981.007 981.008 981.011 981.012		960.0048.016 965.0048.016 941.0048.016 Silicone 983.0063.000 983.0076.000 983.0088.000 983.0102.000 983.0114.000 983.0142.000
STA-PURE PCS STA-PURE PFL PureWeld XL Manifold tubing for Color code Orange/black Orange/red Orange/blue Orange/blue Orange/green Orange/yellow Orange/white Black/black Orange/orange White/white Red/red Grey/grey Yellow/yellow Yellow/blue	903.0005.0 941.0005.0 or 400DM2 ar Wall mm 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0	016 903.0	960.0016.0 965.0016.0 965.0016.0 941.0016.0 941.0016.0 umpheads Autoclavable Marprel 979.0025.00+ 979.0038.00+ 979.0050.00+ 979.0063.00+ 979.0088.00+ 979.0102.00+ 979.0114.00+ 979.0129.00+ 979.0129.00+ 979.0142.00+ 979.0152.00+	ne Marprene	960.0032.016 965.0032.016 941.0032.016 PVC 981.001 981.002 981.003 981.005 981.006 981.007 981.008 981.011 981.011 981.014	3.000 9.000 5.000 8.000 0.000 3.000 6.000 8.000 4.000 9.000 2.000	960.0048.016 965.0048.016 941.0048.016 Silicone 983.0063.000 983.0076.000 983.0102.000 983.0114.000 983.0142.000 983.0142.000 983.0152.000
STA-PURE PCS STA-PURE PFL PureWeld XL Manifold tubing for Color code Orange/black Orange/red Orange/red Orange/blue Orange/green Orange/yellow Orange/white Black/black Orange/orange White/white Red/red Grey/grey Yellow/yellow Yellow/blue Blue/blue	903.0005.0	016 903.0	960.0016.0 965.0016.0 965.0016.0 941.0016.0 941.0016.0 umpheads Autoclavable Marprei - 979.0025.00+ 979.0038.00+ 979.0050.00+ 979.0076.00+ 979.0088.00+ 979.0102.00+ 979.0114.00+ 979.0129.00+ 979.0125.00+ 979.0152.00+ 979.0155.00+	ne Marprene	960.0032.016 965.0032.016 941.0032.016 PVC 981.001 981.001 981.002 981.005 981.006 981.007 981.008 981.010 981.011 981.011 981.012 981.014	3.000 9.000 5.000 8.000 0.000 3.000 6.000 8.000 2.000 4.000 9.000 2.000 2.000	960.0048.016 965.0048.016 941.0048.016 Silicone 983.0063.000 983.0076.000 983.0102.000 983.0114.000 983.0142.000 983.0142.000 983.0152.000 983.0152.000
STA-PURE PCS STA-PURE PFL PureWeld XL Manifold tubing for Color code Orange/black Orange/red Orange/blue Orange/green Orange/green Orange/white Black/black Orange/orange White/white Red/red Grey/grey Yellow/yellow Yellow/blue Blue/blue Green/green	903.0005.0	016 903.0	960.0016.0 965.0016.0 941.0016.0 941.0016.0 941.0016.0 umpheads Autoclavable Marprei - 979.0025.00+ 979.0038.00+ 979.0050.00+ 979.0076.00+ 979.014.00+ 979.0114.00+ 979.0142.00+ 979.0142.00+ 979.0152.00+ 979.0165.00+ 979.0185.00+	ne Marprene 979.0025.000 979.0038.000 979.0050.000 979.0063.000 979.0076.000 979.0102.000 979.014.000 979.0142.000 979.0152.000 979.0152.000 979.0152.000 979.0152.000	960.0032.016 965.0032.016 941.0032.016 PVC 981.001 981.001 981.002 981.003 981.006 981.007 981.008 981.010 981.011 981.011 981.015 981.016 981.016	3.000 9.000 5.000 8.000 0.000 3.000 6.000 8.000 2.000 4.000 9.000 2.000 2.000 5.000	960.0048.016 965.0048.016 941.0048.016 Silicone 983.0063.000 983.0076.000 983.0102.000 983.0114.000 983.0129.000 983.0114.000 983.0152.000 983.0165.000 983.0185.000
STA-PURE PCS STA-PURE PFL PureWeld XL Manifold tubing for Color code Orange/black Orange/red Orange/green Orange/green Orange/white Black/black Orange/orange White/white Red/red Grey/grey Yellow/yellow Yellow/blue Blue/blue Green/green Purple/purple	903.0005.0	016 903.0	960.0016.0 965.0016.0 965.0016.0 941.0016.0 941.0016.0 umpheads Autoclavable Marprei 979.0025.00+ 979.0038.00+ 979.0050.00+ 979.0063.00+ 979.0076.00+ 979.0102.00+ 979.0112.00+ 979.0112.00+ 979.0142.00+ 979.0152.00+ 979.0155.00+ 979.0185.00+ 979.0185.00+	ne Marprene	960.0032.016 965.0032.016 941.0032.016 941.0032.016 PVC 981.001 981.002 981.003 981.006 981.007 981.008 981.010 981.011 981.012 981.014 981.015 981.016 981.018	3.000 9.000 5.000 8.000 0.000 3.000 6.000 8.000 2.000 4.000 9.000 2.000 2.000 5.000 5.000	960.0048.016 965.0048.016 941.0048.016 941.0048.016 Silicone 983.0063.000 983.0076.000 983.0102.000 983.0114.000 983.0129.000 983.0142.000 983.0152.000 983.0165.000 983.0185.000 983.0185.000
STA-PURE PCS STA-PURE PFL PureWeld XL Manifold tubing for Color code Orange/black Orange/red Orange/blue Orange/green Orange/yellow Orange/white Black/black Orange/orange White/white Red/red Grey/grey Yellow/yellow Yellow/blue Blue/blue Green/green	903.0005.0	016 903.0	960.0016.0 965.0016.0 941.0016.0 941.0016.0 941.0016.0 umpheads Autoclavable Marprei - 979.0025.00+ 979.0038.00+ 979.0050.00+ 979.0076.00+ 979.014.00+ 979.0114.00+ 979.0142.00+ 979.0142.00+ 979.0152.00+ 979.0165.00+ 979.0185.00+	ne Marprene 979.0025.000 979.0038.000 979.0050.000 979.0063.000 979.0076.000 979.0102.000 979.014.000 979.0142.000 979.0152.000 979.0152.000 979.0152.000 979.0152.000	960.0032.016 965.0032.016 941.0032.016 PVC 981.001 981.001 981.002 981.003 981.006 981.007 981.008 981.010 981.011 981.011 981.015 981.016 981.016		960.0048.016 965.0048.016 941.0048.016 Silicone 983.0063.000 983.0076.000 983.0102.000 983.0114.000 983.0129.000 983.0114.000 983.0152.000 983.0165.000 983.0185.000

Weights





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