



465 N. Berry Street
 Brea, CA 92821
 (844) 641-3814 Tel
 (844) 641-3813 Fax

Baxter Equivalent Tubing Physical Characteristics & Performance Comparison

Physical Characteristics

Baxter Repeater Set (H93811)	MPS Pharma Pharmacy Pump Set (G82711-M*)	Deviation: Impact on Performance
<i>(measured values)</i>	<i>Physical Characteristics</i>	
Contains universal spike, outlet OD 0.202", ID 0.154"	Contains a universal ABS spike, outlet OD 0.211", ID 0.169"	None. Dimensions are similar, no impact on performance.
Spike connected to PVC tubing, OD 0.249", ID 0.182", total length 48.333", wall thickness 0.033"	Spike connector to Non-DEHP PVC tubing, OD 0.252", ID 0.183", total length 48.819", wall thickness 0.035"	None. Dimensions are similar, no impact on performance.
PVC tubing connected to blue collar with inlet ID 0.250", outlet ID 0.119"	Non-DEHP PVC tubing connected to blue ABS collar with inlet ID 0.252", outlet ID 0.118"	None. Dimensions are similar, no impact on performance.
Blue collar barbed connector, connected to one end of silicone tubing 8.320" in length, OD 0.277", ID 0.114", wall thickness 0.082", Shore hardness average 55.167A	Blue collar barbed connector, connected to one end of silicone tubing 8.268" in length, OD 0.280", ID 0.122", wall thickness 0.079", Shore hardness average 54.75A	None. Dimensions/durometer are similar no impact on performance
Silicone tubing held in place to blue collar with blue retaining ring ID 0.335"	Silicone tubing held in place to blue ABS collar with blue ABS retaining ring ID 0.338"	None. Dimensions are similar, no impact on performance.
Silicone tubing connected at opposite end to blue collar, inlet ID 0.147", outlet ID 0.117"	Silicone tubing connected at opposite end to blue ABS collar, inlet ID 0.159", outlet ID 0.118"	None. Dimensions are similar, no impact on performance.
Length of silicone tubing from blue collar barbed end to blue collar barbed end 192mm	Length of silicone tubing from blue collar barbed end to blue collar barbed end 192mm	None. Dimensions are similar, no impact on performance.
Blue collar connected to PVC tubing, 61.00" in length, OD 0.142", ID 0.100"	Blue collar connector to Non-DEHP PVC tubing, 61.02" in length, OD 0.161", ID 0.110"	None. Dimensions are similar, no impact on performance.
PVC tubing connected to ISO-594 compliant male luer	Non-DEHP PVC tubing connected to ISO-594 compliant male luer	No deviation
PVC tubing with OD 0.142" has a pinch clamp	Non-DEHP PVC tubing with OD 0.161" has a pinch clamp	No deviation
Male Luer housed in white ABS tapered grip housing	Male Luer housed in white ABS tapered grip housing	No deviation
All materials Class VI Plastics	All materials are USP Class VI	No deviation
Complies with ISO 8536-4, tensile strength, leak testing requirements	Complies with ISO 8536-4, tensile strength, leak testing requirements	No deviation
Meets biocompatibility ISO-10993 requirements for Intravascular Administration Set	Meets biocompatibility ISO-10993 requirements for Intravascular Administration Set	No deviation
Terminally sterilized	EO Sterilized	No deviation
Endotoxin Free	LAL Tested	No deviation

Performance Characteristics

Test Type	Baxter Repeater Pump Claims	MPS Pharma Pharmacy Pump Set (G82711-M**)	Baxter Pharmacy Pump Set (H93811)
Life Cycle Test: Set the pump speed to High (9), pump 9,999mL of water. Change volume to 10.0mL, check for accuracy.	Pump will deliver 10.0mL +/- 1%	Passed	Passed
Volume Accuracy Test: Set the pump speed to both Low (1) and High (9), run 500 cycles of 1.0mL volume, check for accuracy.	Pump will deliver 1.0mL +/- 2%	Passed	Passed

* Physical Characteristics of all critical components are identical on MPS Medical part numbers G82711-M, G82721-M, and G82721-MF

** Performance test results apply to MPS Pharma part numbers G82711-M, G82721-M, and G82721-MF