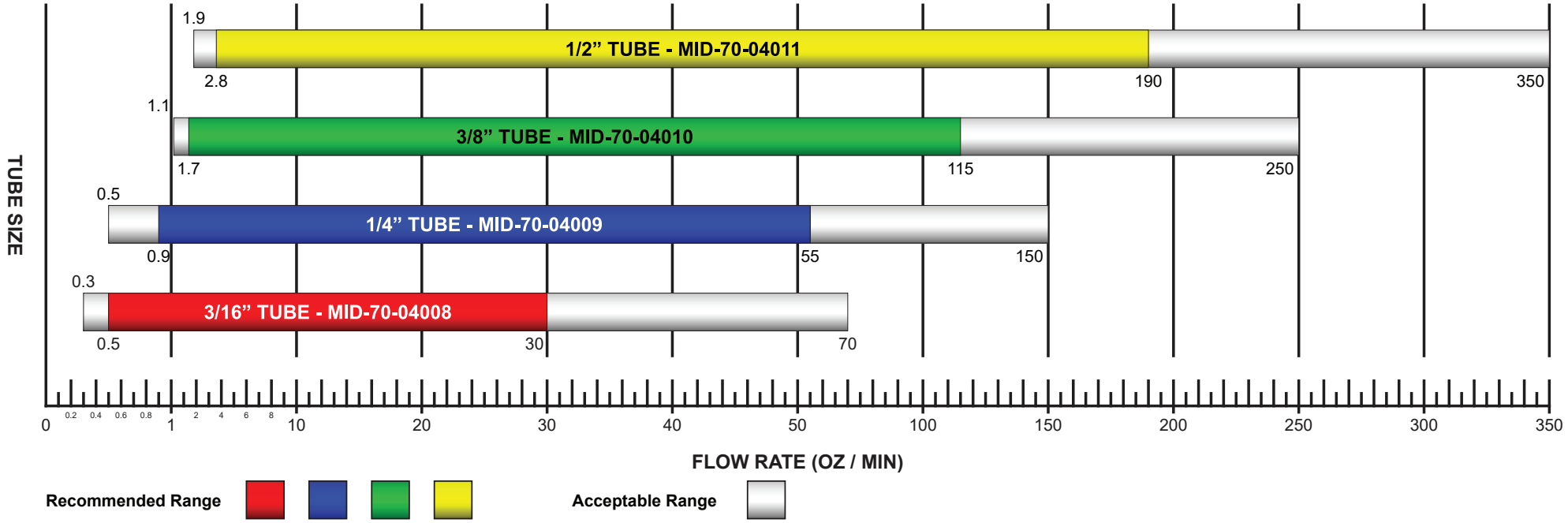
Peristaltic 500
PUMP/TUBE SELECTION CHART



$$Pump\,Capacity = Maximum\,Boom\,Width \times Maximum\,Speed \times Target\,Rate \times 0.00202$$

$$oz\,/\,min = Max\,Feet \times Max\,MPH \times Target\,oz\,/\,ac \times 0.00202$$

Example:
A sprayer spraying an average width of 12 ft (sections 1, 2, 3, and 4), traveling at a maximum speed of 11 MPH, and applying 64 oz of chemical per acre would require a maximum pump capacity of 17.6 oz. per min.

12 ft x 11 MPH x 64 oz/ac x 0.00202 = 17.1 oz/min

Referring to the Pump Tube Selection Chart we find that a 3⁄16 inch pump tube would be the best choice for this rate.

However, if you need to apply 128 oz. per ac. of chemical, you should use the ¼ inch pump tube. The calculated 34.1 oz. per min. exceeds the recommended range of the smaller 3⁄16 inch tube.

12 ft x 11 MPH x 128 oz/ac x 0.00202 = 34.1 oz /min

Example:
A sprayer spraying an average width of 2 ft (section 1), traveling at a maximum speed of 11 MPH, and applying 55 oz of chemical per acre would require a maximum pump capacity of 17.6 oz. per min.

2 ft x 11 MPH x 55 oz/ac x 0.00202 = 2.4 oz/min

Referring to the Pump Tube Selection Chart we find that a 3⁄16 inch pump tube would be the best choice for this rate.

However, if you need to apply 128 oz. per ac. of chemical the 3⁄16 pump tube would still be adequate.

2 ft x 11 MPH x 128 oz/ac x 0.00202 = 5.7 oz /min

ALWAYS SELECT THE SMALLEST ACCEPTABLE TUBE SIZE