

Calculation of Schwimmer Size

The size of the Schwimmer depends upon the volume of wind it must regulate. The more stops it feeds, the bigger it must be. There is no harm if it is oversized.

The size is the LxW in square inches of the Schwimmer. Use the following chart to calculate the area needed.

Flues

16'	=	400 square inches
8'	=	200
4'	=	100
3'	=	80
2'	=	50
1-1/3'	=	30
1'	=	25
IV	=	100

Reeds

16'	=	200
8'	=	100
4'	=	50

So a chest with 8', 4', 2' & Trum 8' would be
 $200 + 100 + 50 + 100 = 450$ inches square.

Obvious an 8' Dulciana is going to use a lot less wind than an 8' Gross Wood Concert Flute. So common sense adjustments are needed.