

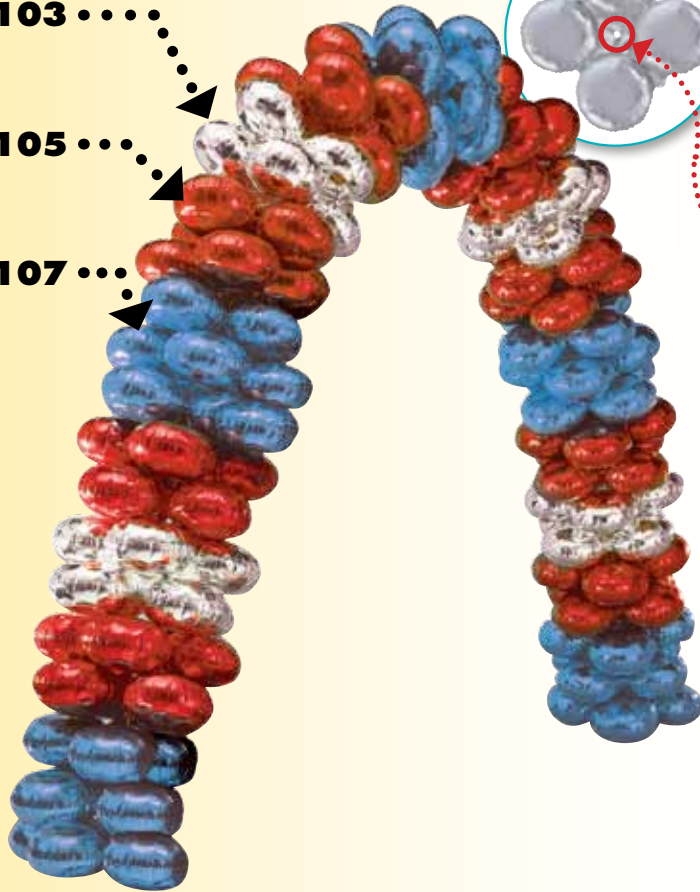


# MagicArch™

#80103

#80105

#80107



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## Helium Filled MagicArch™

1. Use the MagicArch™ calculator\* for the quantity of units needed.
2. Cut Dacron Archline to desired arch length plus two extra feet. (Monofilament should not be used with MagicArch™)
3. Attach one end of archline to a heavy weight (brick, water weight, etc.)
4. Helium inflate first Magic Arch™ unit.
5. Thread archline through the center of the MagicArch™.
6. Repeat steps 4 - 5 until all MagicArch™ units are attached. (Turn each 1/4 turn for a snug fit)
7. Secure archline to a second heavy weight (brick, water weight, etc.)

## Air Filled MagicArch™

1. Use the MagicArch™ calculator\* for the quantity of units needed.
2. Attach 5' tall 3/4" conduit to the base plates.
3. Air inflate all the MagicArch™ units using a hand pump or Mini Cool Aire Inflator. (Valve will be damaged if AirForce 4 is used).
4. Thread the MagicArch™ through the 3/4" conduit attached to the base plate, repeat until conduit is covered. Repeat for the second conduit that is attached to the other base plate.
5. Insert 1/8" aluminum rod into one side of the 3/4" conduit.
6. Thread the MagicArch™ through the 1/8" aluminum rod.
7. Bend the 1/8" aluminum rod and place inside the second conduit that is attached to the other base plate. (Adjust the height of the arch by adding or removing length to the aluminum rod.)

### MagicArch™ Calculator\*

#### Calculate arch total length

Arch taller than wide:  $(2 \times \text{height}) + \text{width} = \text{approximate total length}$   
 Arch wider than tall:  $\text{width} + \text{height} = \text{approximate total length}$   
 Arch same height and width:  $(1.5 \times \text{height}) + \text{width} = \text{approximate total length}$

#### Convert the total length measurement into inches

Example: width = 15 feet + height = 10 feet  
 $15 + 10 = 25$  feet approximate total length in feet  
 $25 \text{ feet} \times 12 = 300$  inches

#### Divide the total inches by 7.8"

$300 \text{ divided by } 7.8 = 39$  Magic Arch™ units needed (round up)

### MATERIALS

QTY	ITEM	SIZE	DESCRIPTION
*	80103	29½"	Silver MagicArch™
*	80105	29½"	Red MagicArch™
*	80107	29½"	Blue MagicArch™
1	1621		Dacron Balloon Archline
2			Brick or Base Plate

Air filled arch will also need Mini Cool Aire Inflator or hand pump, 3/4" conduit and 1/8" aluminum rod.