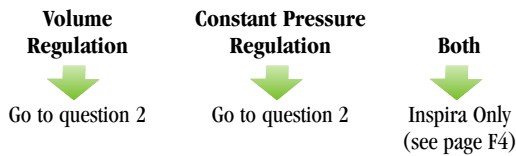


## How to Select Your Ventilator

- 1) In order to choose the proper ventilation product you must first decide on the mode of ventilation control required:



- 2) You must know the specie or species you want to ventilate (select all that apply). Once selected, go to 2A or 2B.

**Perinatal Mice, Small Bird    Rat, Guinea Pig\*    Rabbit, Cat    Dog**

- 2A) If you want **Volume Regulation Mode** you must calculate the tidal volume and respiratory rate in order to choose the correct ventilator. Use the following formula for mammals. After calculating,

locate appropriate species, tidal volume and respiratory rate in the chart below. Go to the pages indicated for more information or call Technical Support at 800-272-2775 US or visit our web site for the nearest dealer.

<b>Tidal Volume</b>	<b>Respiration Rate</b>
$*Vt = 0.0062 \times M_b^{1.01}$	$**Rate (min^{-1}) = 53.5 \times M_b^{-0.26}$
$(M_b = \text{Animal Mass, kg})$	

- 2B) If you want **Constant Pressure Mode**, look at the chart below and compare Inspira to the HSE KTR and select the appropriate animal weight under the correct species. Go to the pages indicated for more information or call Technical Support at 800-272-2775 US.

\* To ventilate more than one rat or guinea pig simultaneously, see the Multiple Channel Ventilator for Large Rodents on page F9.

Ventilator Selection Chart	BS4 73-0043	BS4 55-7058	BS4 55-0001	
Model	MiniVent	Inspira ASV	Mouse 687	Starling Miniature
Control Modes BS4 73-0043		<b>VOLUME VENTILATORS</b>		
<b>Species</b>	mice, pre-natal rats, small birds	mice, rats, guinea pigs, rabbits, cats	mice, perinatal rats, small birds	rats, guinea pigs, rabbits, cats
<b>Animal Weight</b>	up to 50 g	15 g to 10 kg	up to 200 g	250 g to 10 kg (22 lbs)
<b>Tidal Volume ml</b>	0.03 to 0.35 ml	0.1 to 100 ml	0.1 to 1.0 ml	0.25 to 2.5 ml 1.0 to 10 ml 3.0 to 30 ml
<b>Respiratory Rate (breath/min)</b>	60 to 400	5 to 200	18 to 150	10 to 200
<b>Certification</b>	CE	CE	CE	CE, EMC
<b>% Inspiratory Time (I:E ratio)</b>	1:1	1:4 to 4:1	1:1	1:1
<b>Multiple Animal</b>	NO	NO	NO	NO
<b>Requires Compressed Air</b>	NO	NO	NO	NO
<b>Sigh Pressure</b>	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
<b>Ext Trig Input</b>	NO	5 to 12 V peak pulse	NO	NO
<b>Pressure Range</b>	NO	0 to 50 cmH <sub>2</sub> O	NO	NO
<b>Sigh Frequency</b>	NO	auto or manual	NO	NO
<b>Auto SET-UP</b>	NO	YES	NO	NO
<b>Safety Alarms</b>	NO	YES	NO	NO
<b>Built-in Overpressure Release</b>	-	YES	-	-
<b>Ventilation Pressure</b>	NO	YES	NO	NO
<b>Pressure Control</b>	NO	OPTION	NO	NO
<b>Peep</b>	yes (attach column of water)	built in	yes (attach column of water)	yes (attach column of water)
<b>Computer/Transducer Safety Pressure</b>	NO	YES	NO	NO
<b>Port Size</b>			OD 4 mm (5/32 in), ID 2.2 mm (0.866 in)	OD 6.3 mm, ID 4.8 mm
<b>Size</b>	8 x 10 x 20 cm (3.2 x 3.9 x 7.9 in)	17.8 x 25.4 x 40.6 cm (8 x 10 x 17.25 in)	25 x 32.5 x 15 cm (10 x 13 x 6 in)	
<b>Page</b>	F8	F4	F7	F12
<b>\$</b>				