

General Respiration

Two-Way Non-Rebreathing Valves for Small Animals



These valves are available in either a T- or Y-shaped configuration. They have three ports: inhalation, exhalation and the subject's mouth port. These valves allow the separation of expired air either for collection or for use with pneumotachometers.

These valves are available in a variety of sizes for small animals to large dogs.



Two types of connectors are available: straight and standard medical tapers. Connectors having an OD or ID of 7.5, 10.5, 15 or 22 mm are standard medical tapers. All the other sizes are straight connectors. Both types allow quick, leak-free, twist attachment of the valves to other components.

- Function in any position; not gravity dependent
- Standard medical tapered connectors are male and female tapers in four diameters of 7.5, 10.5, 15 and 22 mm
- Transparent body for viewing of diaphragm
- All threaded body parts for easy disassembly
- Long life, non-sticking diaphragm maintains elasticity and sensitivity

Two-Way Non-Rebreathing Valves For Small Animals

Catalog No.	Size/Shape	Inhalation, Exhalation and Mouth Ports				Resistance to Flow, Differential Pressure (dP) in cm H ₂ O						
		OD	ID	Flow Path**	Dead Space***	Flow in Liters/min						
						2	4	6	8	10	20	26
CGS 8393.68	Miniature T	3.2 mm diameter hole in valve body		I	0.5 ml	0.7	1.2	2.0	3.2	5.1	–	–
		7.9 mm	6.4 mm	E	0.5 ml	0.7	1.4	2.3	3.4	4.9	–	–
CGS 8394.68	Miniature T	Female Luer Lock with 2.8 mm flow orifice		I	0.8 ml	0.9	1.6	2.8	4.3	6.2	–	–
		7.9 mm	6.4 mm	E	1.0	2.2	4.0	6.2	9.2	–	–	
CGS 8395.68	Miniature T	7.9 mm	5.1 mm	I	1.3 ml	0.5	0.8	1.0	1.4	1.9	6.3	–
		7.9 mm	6.4 mm	E	1.3 ml	0.5	1.0	1.5	2.2	3.0	9.3	–
CGS 8396.68	Miniature T	22 mm	15 mm	I	3.6 ml	0.6	0.8	1.2	1.7	2.3	8.4	–
		7.9 mm	6.4 mm*	E	3.6 ml	0.6	0.9	1.4	2.0	2.9	9.8	–
CGS 8397.68	Miniature Y	7.9 mm	6.4 mm	I	1.4 ml	0.5	0.6	0.8	1.1	1.5	5.2	9.1
		7.9 mm	6.4 mm	E	1.4 ml	0.5	0.6	0.7	0.9	1.2	3.8	6.2
CGS 8398.68	Miniature Y	10.5 mm	7.5 mm	I	1.7 ml	0.6	0.8	1.0	1.3	1.8	5.5	9.0
		10.5 mm	7.5 mm	E	1.7 ml	0.4	0.6	0.7	1.0	1.2	3.9	6.1
CGS 8399.68	Miniature Y	15 mm	10.5 mm	I	2.1 ml	0.5	0.7	1.0	1.3	1.8	6.0	9.7
		15 mm	10.5 mm	E	2.1 ml	0.4	0.6	0.8	1.1	1.5	4.7	7.4
CGS 8400.68	Miniature Y	22 mm	15 mm	I	3.4 ml	0.5	0.8	1.0	1.3	1.7	5.9	9.3
		22 mm	15 mm	E	3.4 ml	0.5	0.7	0.9	1.2	1.5	4.4	7.0
CGS 8401.68	Extra Small T	10.5 mm	7.5 mm	I	3.8 ml	0.6	0.6	0.8	0.9	1.0	2.0	2.7
		10.5 mm	7.5 mm	E	3.8 ml	0.6	0.7	0.8	1.0	1.2	2.5	3.4
CGS 8402.68	Extra Small T	15 mm	10.5 mm	I	4.2 ml	0.5	0.6	0.7	0.8	0.9	1.5	1.8
		15 mm	10.5 mm	E	4.2 ml	0.5	0.6	0.7	0.8	0.9	1.6	2.1
CGS 8403.68	Extra Small T	22 mm	15 mm	I	5.8 ml	0.5	0.6	0.7	0.8	0.9	1.6	2.0
		22 mm	15 mm	E	5.8 ml	0.5	0.6	0.7	0.8	1.0	1.7	2.2
CGS 8404.68	Extra Small Y	10.5 mm	7.5 mm	I	3.3 ml	0.3	0.5	0.6	0.8	1.0	2.1	2.8
		10.5 mm	7.5 mm	E	3.3 ml	0.4	0.6	0.8	0.9	1.1	2.2	2.9
CGS 8405.68	Extra Small Y	15 mm	10.5 mm	I	3.8 ml	0.5	0.6	0.7	0.8	1.1	1.7	2.1
		15 mm	10.5 mm	E	3.8 ml	0.5	0.6	0.7	0.8	0.9	1.5	1.8
CGS 8406.68	Extra Small Y	22 mm	15 mm	I	5.3 ml	0.5	0.6	0.7	0.8	0.9	1.6	2.1
		22 mm	15 mm	E	5.3 ml	0.5	0.6	0.7	0.8	0.9	1.6	2.0