

One-Way Respiratory Valves



- Function in any position; not gravity dependent
- Long life, non-sticky diaphragm maintains elasticity and sensitivity
- Wide range of port sizes

These One-Way Respiratory Valves, sometimes referred to as check valves, are for uni-directional respiratory circuits. They permit the flow of gases in only one direction. They have a non-sticky Spiral-

Type™ diaphragm that is very sensitive to low flow ranges, has excellent elastic memory and is not gravity dependent. The valves have two ports of the same size. The outlet port is transparent permitting diaphragm viewing. All body parts are threaded for easy disassembly.

The valves are available in a variety of sizes. Select a valve according to the subject size and resistance to flow required. The One-Way Valve is the only valve that is constructed from autoclavable

materials and that has a hose barb for gas sampling or drainage of condensation.

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

One-Way Respiratory Valves				Resistance to Flow, Differential Pressure (dP) in cm H ₂ O								
Catalog No.	Valve Size	Ports		Flow in Liters/min								
		OD	ID	2	4	6	8	10	15	20	25	30
CGS 8382.68	Miniature	10.5 mm	7.5 mm	0.5	0.6	0.7	0.8	1.0	1.8	3.0	4.6	6.4
CGS 8383.68	Miniature	15 mm	10.5 mm	0.4	0.5	0.6	0.7	1.1	2.2	3.8	5.7	8.1
CGS 8384.68	Miniature	22 mm	15 mm	0.6	0.7	0.8	0.9	1.1	2.2	3.8	5.6	7.7
CGS 8385.68	Extra Small	10.5 mm	7.5 mm	0.6	0.8	0.9	1.0	1.2	1.6	2.1	2.6	3.4
CGS 8386.68	Extra Small	15 mm	10.5 mm	0.5	0.6	0.7	0.7	0.8	1.1	1.3	1.7	2.1
CGS 8387.68	Extra Small	22 mm	15 mm	0.4	0.5	0.6	0.7	0.8	1.0	1.2	1.5	1.8
				Resistance to Flow, Differential Pressure (dP) in cm H ₂ O								
				Flow in Liters/min								
				20	60	100	140	180	200	300	400	500
CGS 8388.68	Small	22 mm	15 mm	0.5	0.9	1.7	2.9	5.0	6.3	—	—	—
CGS 8389.68	Small	25.4 mm	22 mm	0.6	1.0	1.7	3.0	5.0	6.3	—	—	—
CGS 8390.68	Small*	22 mm	15 mm	0.5	0.9	1.7	2.9	5.0	6.3	—	—	—
CGS 8391.68	Medium	35 mm	28.6 mm	—	—	1.6	—	—	4.7	8.8	—	—
CGS 8392.68	Large	35 mm	28.6 mm	—	—	0.5	—	—	0.8	1.3	2.0	3.0