



(An ISO 9001, 14001 & 45001 Company)



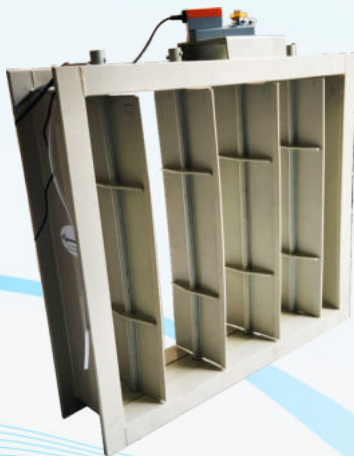
Volumetric Dampers

Volumetric dampers are devices that control the flow of airstream in a supply or exhaust system. They can be used to regulate flow air airstream. Valves are a type of volumetric dampers that can open or close to allow or restrict the flow. Valves are operated manually or by an electric actuator, depending on the application. Volumetric dampers or valves are essential components in many engineering systems, such as HVAC, fume hood exhaust or ventilation system.

These dampers are made from high grade ultra-violet (UV) treated polypropylene with high quality of craftsmanship during manufacturing. One of the advantages of these devices is that they do not obstruct the passage of air. This means that they can operate efficiently and quietly, without causing much pressure drops or turbulence. These devices are suitable for applications that require high air flow rates and low noise levels.

These dampers valves are its low rate of leakage when closed. This means that it can prevent leakages, as well as maintain the pressure and flow of the system. The low rate of leakage also enhances the safety and reliability of the total system, as it reduces the risk of mal function of the system.

These units are made in cylindrical and rectangular shape to optimize the use of space and reduce the risk of self-damage when system pressure is applied. They are easy to stack, store and transport, and they have a sleek and modern design. The cylindrical and rectangular shape also allows for better airflow and less friction, which improves the performance of duct system and durability of these units.



If you are interested in seeing how our product works, you can access a video demonstration by scanning the QR code below.

<https://www.linkedin.com/company/syannlab>

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Cylindrical Damper Valve			
Sl No	Shank OD (mm)	Air Volume (cmh)	Flange Size (mm)
1	Ø 350	2500	Ø 450 x 6 thk
2	Ø 400	3250	Ø 500 x 6 thk
3	Ø 450	4000	Ø550 x 6 thk
4	Ø 500	5000	Ø 600 x 6 thk
5	Ø 550	6000	Ø 650 x 6 thk



Rectangular Damper Valve			
Sl No	Damper Size (mm)	Air Volume (cmh)	Flange LxDxT (mm)
1	500 x 300	4000	600 x 400 x 8
2	600 x 400	6000	700 x 500 x 8
3	700 x 450	8000	800 x 550 x 8
4	800 x 500	10000	900 x 600 x 8
5	850 x 550	12000	950 x 650 x 8
6	900 x 600	14000	1000 x 700 x 8
7	1000 x 700	18000	1100 x 800 x 8
8	1100 x 750	20000	1200 x 850 x 8
9	1200 x 800	25000	1300 x 900 x 8
10	1000 x 1000	25000	1100 x 1100 x 8

In addition to the standard models, we offer single flange and sleeve versions of our products. These versions have different features and benefits that suit different applications and preferences. You can find more details about the flange and sleeve versions on our website or contact us for a quote. We have designed these units to work seamlessly with our own controller. This allows for better performance, accuracy and efficiency, as well as easier installation and maintenance. Our controller is compatible with various types of duct system, such as supply air and exhaust air handlers. You can customize the settings and monitor the status of each unit through our user-friendly interface thru Modbus communication protocol too.

If you are interested in learning more about our research and projects, you can visit our website at www.syannlab.com. There you will find detailed descriptions of our work, publications, collaborators, and contact information. We are always happy to hear from potential partners and clients who share our vision and passion for innovation.

