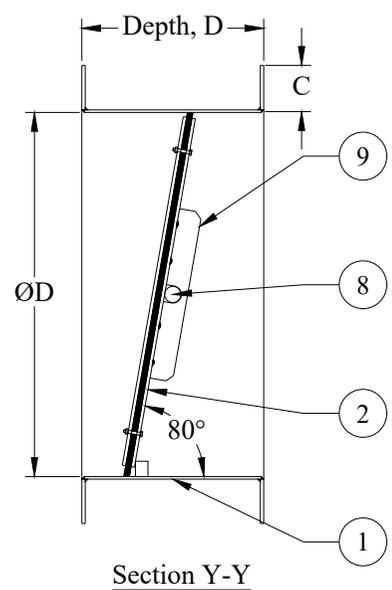


Submittal



ITEM	DESCRIPTIONS	MATERIALS	REMARKS
1	Frame	Stainless steel, 3mm thk.	
2	Blade	Stainless steel, 4mm thk.	
3	Flange	Stainless steel, 4mm thk.	38mm for size ≤500mm, 50mm for size >500mm
4	Bush	Teflon	
5	Packing housing	Stainless steel	
6	Packing housing cover	Stainless steel	
7	Blade seal	Silicon, 4.0mm thk.	Hardness, 50 Duro
8	Blade shaft	Stainless steel	Ø20 for size <600mm, Ø25 for size ≥ 600mm
9	Stiffeners	Stainless steel, 3mm thk.	
10	Operator	Electric actuator	
11	Bearing	Stainless steel with teflon insert	
12	Blade stopper	Stainless steel	
13	Operator mounting bracket	Stainless steel, 3mm thk.	
14	Packing	Teflon in square shape, 4 layers	6x6mm for Ø20 blade shaft, 8x8mm for Ø25 blade shaft

COATING FINISHES OPTIONS:

- None
- Specify : _____

MATERIAL OPTIONS:

- Stainless Steel 304 (SUS304, 2B finish)
- Stainless Steel 316 (SUS316L, 2B finish)
- *For other materials please consult factory.

ACTUATOR:

- On/Off electric
- Modulating
- Spring return
- Explosion-Proof On-Off
- Explosion-Proof Spring Return

DAMPER SIZE:

Min. size (ØD): Ø150mm
Max. size (ØD): Ø1150mm

TABLE 1:

Nominal Height, H	Depth, D
150-399	200
400-549	250
550-749	300
750-949	350
950-1099	400
1100-1150	450

APPLICATION:

OLS isolation damper is designed for sealing off and/or controlling airflow in round, square/rectangle ducts and provides airtight seal to a differential pressure of 7000 Pa. In a biohazard environment, the dampers enable the air filter bank to be isolated for decontamination, and/or filter changing. A variety of sizes are available for a wide range of air flows.

NOTE:

- 1. By standard, product is mill finished.

TYPICAL AREAS:

Hospital Isolation Units / Pharmaceutical Facilities / Microelectronic Sites / Food Processing / Laboratory Facilities / Industrial Process Exhaust Systems / Chemical Process Facilities / Animal Disease Laboratories / Nuclear Power Plants / HVAC Systems / Department of Energy Facilities / Military Facilities

CONSTRUCTION:

1. Frame is constructed of heavy gage stainless steel with flanges fully welded to both ends. Holes are pre-cut on the flanges with maximum distance (SP) of 75mm.
2. Blade is double skin with stiffeners as required for higher blade strength.
3. Blade shaft is constructed of stainless steel. Diameter of blade axle is Ø20mm or Ø25mm depending on size.
4. Blade seal is constructed of silicon, 4.0mm thk. and is specially designed to provide tight seal when the blade is closed.
5. Shaft seal is constructed of comparison type packing gland continuously welded to damper frame; packing is made of Teflon material and well be replaced if necessary.
6. Flange dimension, C varies with damper size as required for higher structures strength.
7. Depth dimension, D varies with damper size (refer to Table 1) to prevent blade seal from rubbing against adjacent duct connection.

In the interest of product improvement, we reserved the right to make changes without notice.

All dimensions are in mm.

 <p>OLS MANUFACTURING CO. 3-B, Joo Koon Circle, Singapore 629034 Tel.: 68615253 Fax.: 68619850 email: team.tvmsfd@connols-air.com http://www.connols-air.com</p>	<p>Title : ROUND BUBBLE-TIGHT ISOLATION DAMPER WITH ELECTRIC DRIVE (MODEL DSR450-E)</p>		<p>Dwn. By : ZhieZhie</p>	<p>Date : 23/12/2020</p>	<p>Scale : N.T.S</p>
	<p>Project :</p>		<p>Chk. By : Yuxiang</p>	<p>Dwg. No. : DCZEP001-R7</p>	
			<p>App. By : Wong</p>		