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TECHNICAL INFORMATION CARD SHUT OFF DAMPER



Cammach Engineering Ltd provides high quality HVAC dampers to **offshore oil and gas sector** at competitive prices and on short lead time.

Shut Off Dampers (SOD) are designed primarily for airflow isolation however can also be used for air balancing purpose. If balancing function is of main importance please refer to Volume Control Damper range.

Shut Off Dampers (SOD) can be provided as rectangular or circular units. Rectangular dampers are provided in single and multi blade arrangement. Circular SODs are offered as single blade units only.

Shut Off Dampers are supplied with a lockable hand quadrant as standard. Other control options are available including pneumatic or electric actuators.

Standard documentation provided with the equipment includes: dimensional drawing, nameplate detail drawing, IOM Manual, Equipment Schedule (where applicable) and Certificate of Conformity.

Dampers are designed to allow replacement of main components on site obviating the need for a return to a land-based workshop.

SOD



TECHNICAL INFORMATION CARD

SHUT OFF DAMPER

CASING - 2.0 or 3.0mm thick fully welded casing complete with 50 or 75mm own material flanges drilled to BS EN ISO15138:2007 or Client specification. Other casing thicknesses are also available between 1,5 and 10mm.

Lifting points are incorporated within damper casing.

Standard damper sizes are between 100x100mm and 2000x2000mm with the unit length of 200mm. Other sizes or damper length can be provided if required.

Rectangular dampers can be provided with spigots allowing their installation within the circular ductwork.

Spigot options available: flanged, plain or circular adaptor plates.

BLADES - 2 x 1.5mm double skin, aerofoil construction. Two parts of blade spot welded and bolted to the damper shafts. Longer blades are additionally fitted with stiffening channels for increased rigidity.

SHAFTS - $\Phi 16$ end shafts. Shafts are removable to allow bearing replacement if necessary.

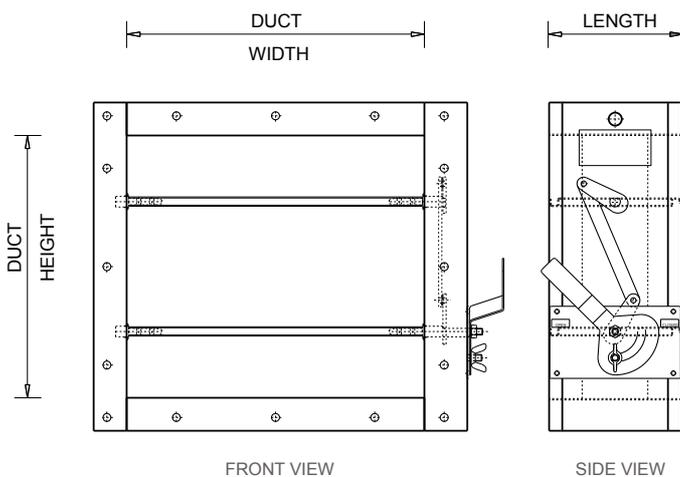
SEALS - Stainless steel side seals and blade stops. Side seals manufactured from 0.25mm thk 316L st/steel.

BEARINGS - Low friction Stainless steel or Polymer flanged bushes .

CONTROLS - Locable manual handle, which allows damper adjustment between fully open and closed position. Stainless steel position indicators fixed to the handle plate. Other control options, including pneumatic or electric actuator are also available.

NAMEPLATE - Stainless steel nameplate containing relevant information is attached to the damper casing.

MATERIALS - Standard material of construction is 316L St/Steel. Other materials including 304 St/Steel, galvanized mild steel are also available.



PRESSURE DROP CHARACTERISTIC CURVE FOR 450x450mm SOD

