

CATALOG SD09

*Sangmi*

AIR TECH

CHECK DAMPER : MODEL CD 165S

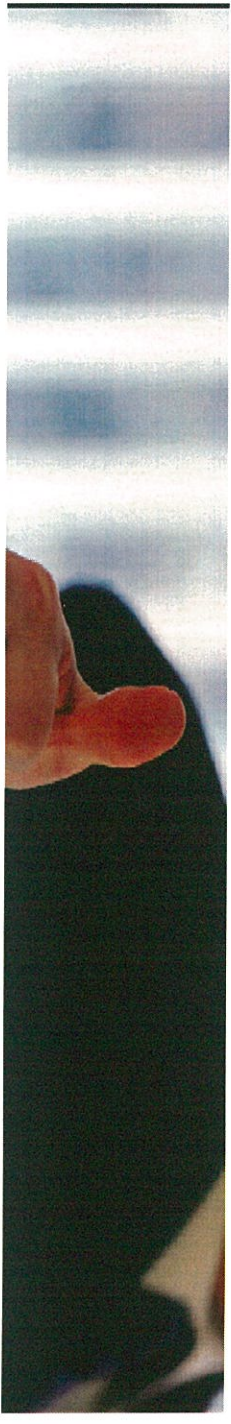


**October, 2020.**



sangmi air tech co., ltd.



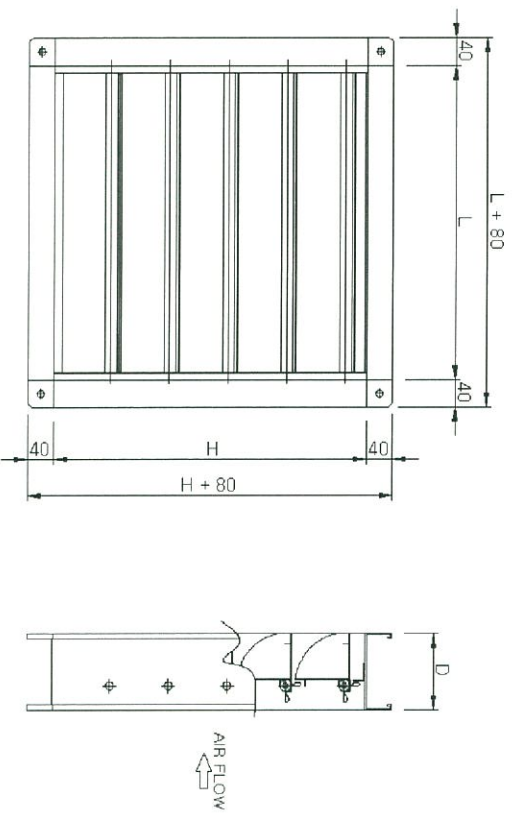


## CHECK DAMPER (SINGLE THICKNESS BLADE)

MODEL : CD165S



SANGMI AIR TECH CO.,LTD. CERTIFIES THAT THE CD 165S CHECK DAMPER SHOWN HEREIN IS LICENSED TO BEAR THE AMCA SEAL. THE RATINGS SHOWN ARE BASED ON TESTS AND PROCEDURES PERFORMED IN ACCORDANCE WITH AMCA PUBLICATION 511 AND COMPLY WITH THE REQUIREMENTS OF THE AMCA CERTIFIED RATINGS PROGRAM. THE AMCA CERTIFIED RATINGS SEAL APPLIES TO AIR LEAKAGE AND AIR PERFORMANCE RATINGS ONLY.



CHECK DAMPERS ARE USED WHERE BACK DRAFT AIR FLOW SHOULD BE SEALED. THE PARALLEL BLADES ARE AUTOMATICALLY OPERATED BY POSITIVE AIR PRESSURE WITH NO NEED TO HAVE A SEPARATE ACTUATOR, FREE OF MAINTENANCE. THE LIGHT AND STURDY ALUMINUM ENABLES THE DAMPERS TO OPERATE BETWEEN 10mmHg TO 150mmHg.



**STANDARD SPECIFICATIONS**

PART	MATERIAL	REMARKS
FRAME	A6063S-T5	2.0 TH CHANNEL ALUMINUM PRESS MOLDING
BLADE	A6063S-T5	1.5 TH CHANNEL ALUMINUM PRESS MOLDING
LINKAGE	STS 304	2.0 TH PLATED STEEL
AXILE	STS 304	Φ12 PLATED ROUND BAR
SEAL	BLADE SEAL	EPDM RUBBER
	JAMB SEAL	EPDM RUBBER
BEARING		Φ12 BALL BEARING

**FEATURES**

- HAS LIMITED MAXIMUM AIR VELOCITY ; ACCURATE DATA SUCH AIR VELOCITY AND THE AIR PRESSURE.
- SINGLE THICKNESS BLADES MINIMIZE AIR PRESSURE DROP
- AUTOMATICALLY OPERATED BY AIR PRESSURE ; MAINTENANCE FREE.

**CUSTOMIZATION**

- CAN BE CUSTOM BUILT TO WITHSTAND HIGH STATIC PRESSURE OR HIGH AIR VELOCITY
- VARIABLE SIZES CAN BE CUSTOMIZED. PLEASE CONTACT OUR REPRESENTATIVE.

**LEAKAGE PERFORMANCE CLASSIFICATION**

LEAKAGE RATINGS ARE OBTAINED IN ACCORDANCE WITH AMCA PUBLICATION 500-D-07 USING TEST. SETUP APPARATUS FIG. 5.4

**PERFORMANCE DATA**

CD 165S 24x24

FACE AREA VELOCITY (FT/MIN)	STATIC PRESSURE DROP (IN.WG)	STATIC PRESSURE (IN. WG)	LEAKAGE (CFM/FT² FACE AREA)
1996	1.53	1.09	10.0
1581	1.04	0.78	8.8
1189	0.77	0.56	8.0
792	0.51	0.43	7.9
376	0.24	0.28	7.6

AIR LEAKAGE IS BASED ON OPERATION BETWEEN 10°C~40°C (50°F~104°F)  
AMCA CERTIFIED RATINGS SEAL.



# SANGMI AIR TECH CO.,LTD.

- AIR TIGHT DAMPER
- GENERAL DAMPER
- LINEAR CONTROL DAMPER
- ANTI FREEZING DAMPER
- BACK DRAFT DAMPER
- FAN & BLAST DAMPER
- ISOLATION DAMPER
- FIRE DAMPER
- INDUSTRIAL DAMPER
- TUNNEL DAMPER
- LOUVER ASS'Y
- SOUND LOUVER ASS'Y
- SUPPLY GRILLE ASS'Y
- HEPA FILTER UNIT
- ELIMINATOR ASS'Y
- RELIEF DAMPER



SANGMI AIR TECH CO., LTD.

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