### VOLUME CONTROL DAMPER - AVCD SERIES AEROFOIL BLADES

STANDARD CONSTRUCTION

Frame: I.2mm thick galvanized steel sheet. Blades: Aerofoil I.Omm double skin extruded Aluminum profiles/ GI Sheet. 1/2" square galvanized steel rod. Axles: Linkage: Made of galvanized steel. Concealed in frame. Bushing: Self lubricating plastic nylon bushes. Quadrant: Plated steel with wing nut to lock the blades position. Marked to show the position of the blades. Fixing to duct: Flanged frame. Single section minimum size: IOOXIOOmm for Flanged/Box/Slip & clip types. IOOXI50mm for Hat-shaped type. Single section maximum size: I200XI200mm for Hat-shaped/Flanged types.

IOOOXIOOOmm for Slip & clip/Box types.



S&C TYPE

BOX TYPE

FLANGED TYPE

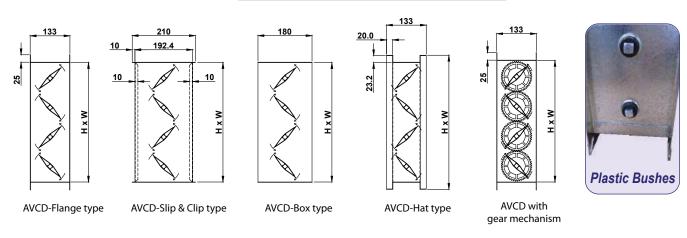


HAT-SHAPE TYPE





### DIMENSIONS







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### ALUMINIUM BLADES OPTIONS

DRIVE       MANUAL QUADRANT		MANUAL QUADRANT MODELS																										
BRIVE         ELECTRICACTUATOR         Image: State in the state in	Jadrant shaft		AUVCDG2PLH	AUVCDG2BLH	AUVCDG2PLF	AUVCDG2BLF	AUVCDG2PLS	AUVCDG2BLS	AUVCDG2PLB	AUVCDG2BLB	AUVCDG2PGH	AUVCDG2BGH	AUVCDG2PGF	AUVCDG2BGF	AUVCDG2PGS	AUVCDG2BGS	AUVCDG2PGB	AUVCDG2BGB	AUVCDS2SLH	AUVCDS2SLF	<b>AUVCDS2SLS</b>	AUVCDS2BLB	AUVCDS2SGH	AUVCDS2SGF	AUVCDS2SGS	AUVCDS2SGB	AUVCDG2-SMC	AUVCDS2-SMC
BLADE       G.I. AEROFOLI, BLADES       I<	DRIVE	MANUAL QUADRANT			~	~	~	~	✓	✓	~	~	~	✓	✓	✓	✓	✓	~	✓	~	~	✓	~	✓	✓	~	✓
TYPE         ALUMINUM REPORTING         2 <th2< th="">         2         <th2< th="">         2</th2<></th2<>	PI ADE																											
BLADE MOVEMENT         OPPOSED         I			1		./			./		./	./	./	./	./	./	./			./	./	./					./	.(	./
MOVEMENT         PARALLEL         ABOVE MODELS (EXCEPT THE ONES PLS. WITH GEAR MECHANISM)           USE         CONTROL (AR BALANCING)         V			-	v √	v √	v √	v √	· ~	<ul> <li>✓</li> </ul>	• ✓	• √	✓		√	√	√	✓		· ~	•	√		· ~			· ~	· ~	· ~
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Image: construction       GALVANIZED STEEL       /	USE		~	~	~	✓	✓	~	~	~	~	~	~	$\checkmark$	$\checkmark$	~	~	~	~	~	~	~	~	~	~	✓	~	✓
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MECHANISM         PLASTIC GEARS         I <thi< th="">         I</thi<>	TYPE																		~	~	~	~	~	~	~	~		~
FIXING TO DUCT       HAT-SHAPED       V <th>MECHANISM</th> <th></th> <td>~</td> <td>~</td> <td><ul> <li>✓</li> </ul></td> <td><ul> <li>✓</li> </ul></td> <td><ul> <li>✓</li> </ul></td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>~</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td>~</td> <td><ul> <li>✓</li> </ul></td>	MECHANISM		~	~	<ul> <li>✓</li> </ul>	<ul> <li>✓</li> </ul>	<ul> <li>✓</li> </ul>	~	~	~	~	~							~	✓	✓	✓					~	<ul> <li>✓</li> </ul>
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ELECTRIC ACTUATOR         V     <	etuator gear	MODEL		-	1	1	1						мс	DTOF	RIZE	D N	IOD	ELS				1						_
TYPE       ALUMINUM AEROFOIL	etuator gear nechanism	MODEL		-	1	1	1						мс	DTOF	RIZE	D N	IOD	ELS				1						MAUVCDS2-SMC
BLADE MOVEMENT         OPPOSED         /	etuator gear nechanism	MODEL FEATURE MANUAL QUADRANT	MAUVCDG2PL	MAUVCDG2BLH	MAUVCDG2PLF	1	1	MAUVCDG2BLS	MAUVCDG2PLB	MAUVCDG2BLB	MAUVCDG2PGH	MAUVCDG2BGH	MAUVCDG2PGF	DTOF	RIZE	MAUVCDG2BGS		MAUVCDG2BGB C	MAUVCDS2SLH	<b>MAUVCDS2SLF</b>	<b>MAUVCDS2SLS</b>	1		MAUVCDS2SGF	MAUVCDS2SGS	MAUVCDS2SGB		_
BLADE MOVEMENT         PARALLEL         ABOVE MODELS (EXCEPT THE ONES WITH GEAR MECHANISM)           USE         CONTROL (AIR BALANCING)         ·	etuator gear nechanism DRIVE BLADE	MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES	A MAUVCDG2PL	MAUVCDG2BLH	▲ MAUVCDG2PLF	1	A MAUVCDG2PLS	A MAUVCDG2BLS	▲ MAUVCDG2PLB	▲ MAUVCDG2BLB	▲ MAUVCDG2PGH	▲ MAUVCDG2BGH	▲ MAUVCDG2PGF S	DTOF		▲ MAUVCDG2BGS ■	▲ MAUVCDG2PGB 0		▲ MAUVCDS2SLH	▲ MAUVCDS2SLF	▲ MAUVCDS2SLS	1		MAUVCDS2SGF	▲ MAUVCDS2SGS	MAUVCDS2SGB		_
MOVEMENT         PARALLEL         CAN BE WITH PARALLEL BLADES, PLS. WRITE "PARALLEL" ON YOUR ORDER           USE         CONTROL (AIR BALANCING)	etuator gear nechanism DRIVE BLADE TYPE	MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES ALUMINUM AEROFOIL	<ul> <li>MAUVCDG2PL</li> </ul>	<ul> <li>▲</li> <li>MAUVCDG2BLH</li> </ul>	▲ MAUVCDG2PLF	✓ MAUVCDG2BLF	<ul> <li>▲ MAUVCDG2PLS</li> </ul>	<ul> <li>✓</li> <li>✓</li> <li>MAUVCDG2BLS</li> </ul>	✓ MAUVCDG2PLB	<ul> <li>✓</li> <li>▲ MAUVCDG2BLB</li> </ul>	<ul> <li>MAUVCDG2PGH</li> </ul>	A MAUVCDG2BGH	✓ ▲ MAUVCDG2PGF A	✓ ▲ MAUVCDG2BGF	A MAUVCDG2PGS	<ul> <li>▲ MAUVCDG2BGS G</li> </ul>	✓ ▲ MAUVCDG2PGB 0		<ul> <li>▲ MAUVCDS2SLH</li> </ul>	A MAUVCDS2SLF	▲ MAUVCDS2SLS	1		MAUVCDS2SGF	▲ MAUVCDS2SGS	MAUVCDS2SGB		_
USE       LOW LEAKAGE (AIR TIGHT SHUT OFF)       I	buator gear nechanism DRIVE BLADE BLADE BLADE	MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES ALUMINUM AEROFOIL OPPOSED	<ul> <li>MAUVCDG2PL</li> </ul>	<ul> <li>▲</li> <li>MAUVCDG2BLH</li> </ul>	▲ MAUVCDG2PLF	✓ MAUVCDG2BLF	<ul> <li>✓</li> <li>✓</li> <li>MAUVCDG2PLS</li> </ul>	▲ ▲ MAUVCDG2BLS	✓ < MAUVCDG2PLB	<ul> <li>✓</li> <li>✓</li> <li>MAUVCDG2BLB</li> </ul>	<ul> <li>✓</li> <li>✓</li> <li>MAUVCDG2PGH</li> </ul>	✓ < MAUVCDG2BGH		▲ < MAUVCDG2BGF Q		▲ ▲ MAUVCDG2BGS ▲	✓ < MAUVCDG2PGB 0		<ul> <li>✓</li> <li>✓</li> <li>MAUVCDS2SLH</li> </ul>	✓ < MAUVCDS2SLF	✓ < MAUVCDS2SLS	A A MAUVCDS2BLB	<ul> <li>✓</li> <li>✓</li> <li>MAUVCDS2SGH</li> </ul>	A A MAUVCDS2SGF	▲ MAUVCDS2SGS	MAUVCDS2SGB		_
FRAME CONSTRUCTION       GALVANIZED STEEL       ··· <th>buator gear nechanism DRIVE BLADE BLADE BLADE</br></th> <th>MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES ALUMINUM AEROFOIL OPPOSED</th> <td><ul> <li>MAUVCDG2PL</li> </ul></td> <td><ul> <li>▲</li> <li>MAUVCDG2BLH</li> </ul></td> <td>✓ &lt; ∧ MAUVCDG2PLF</td> <td>✓ ✓ MAUVCDG2BLF</td> <td>A MAUVCDG2PLS</td> <td>OBY &lt; MAUVCDG2BLS</td> <td>A &lt; MAUVCDG2PLB</td> <td>O &lt; ∧ MAUVCDG2BLB</td> <td>A MAUVCDG2PGH</td> <td>m &lt;   </td> <td>A &lt; MAUVCDG2PGF S</td> <td>I &lt; A MAUVCDG2BGF Q</td> <td>H &lt; MAUVCDG2PGS</td> <td>A &lt; MAUVCDG2BGS d</td> <td>S &lt; &lt; MAUVCDG2PGB 0</td> <td>I &lt; &lt; MAUVCDG2BGB ST</td> <td>→ → WAUVCDS2SLH</td> <td>X &lt; MAUVCDS2SLF</td> <td>A &lt; A MAUVCDS2SLS</td> <td>H &lt; MAUVCDS2BLB</td> <td>A AUVCDS2SGH</td> <td>✓ &lt; A MAUVCDS2SGF</td> <td>✓ &lt; MAUVCDS2SGS</td> <td>▲ ▲ MAUVCDS2SGB</td> <td></td> <td>_</td>	buator gear nechanism 	MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES ALUMINUM AEROFOIL OPPOSED	<ul> <li>MAUVCDG2PL</li> </ul>	<ul> <li>▲</li> <li>MAUVCDG2BLH</li> </ul>	✓ < ∧ MAUVCDG2PLF	✓ ✓ MAUVCDG2BLF	A MAUVCDG2PLS	OBY < MAUVCDG2BLS	A < MAUVCDG2PLB	O < ∧ MAUVCDG2BLB	A MAUVCDG2PGH	m < 	A < MAUVCDG2PGF S	I < A MAUVCDG2BGF Q	H < MAUVCDG2PGS	A < MAUVCDG2BGS d	S < < MAUVCDG2PGB 0	I < < MAUVCDG2BGB ST	→ → WAUVCDS2SLH	X < MAUVCDS2SLF	A < A MAUVCDS2SLS	H < MAUVCDS2BLB	A AUVCDS2SGH	✓ < A MAUVCDS2SGF	✓ < MAUVCDS2SGS	▲ ▲ MAUVCDS2SGB		_
FRAME CONSTRUCTION       GALVANIZED STEEL       ·/ <th>ctuator gear nechanism DRIVE BLADE TYPE BLADE MOVEMENT</th> <th>MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES ALUMINUM AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING)</th> <td>Image: wide wide wide wide wide wide wide wide</td> <td><ul> <li>▲</li> <li>MAUVCDG2BLH</li> </ul></td> <td>✓ &lt; ∧ MAUVCDG2PLF</td> <td>✓ ✓ MAUVCDG2BLF</td> <td>A MAUVCDG2PLS</td> <td>OBY &lt; MAUVCDG2BLS</td> <td>A &lt; MAUVCDG2PLB</td> <td>O &lt; ∧ MAUVCDG2BLB</td> <td>A MAUVCDG2PGH</td> <td>m &lt;   </td> <td>A &lt; MAUVCDG2PGF S</td> <td>I &lt; A MAUVCDG2BGF Q</td> <td>H &lt; MAUVCDG2PGS</td> <td>A &lt; MAUVCDG2BGS d</td> <td>S &lt; &lt; MAUVCDG2PGB 0</td> <td>I &lt; &lt; MAUVCDG2BGB ST</td> <td>→ → WAUVCDS2SLH</td> <td>X &lt; MAUVCDS2SLF</td> <td>A &lt; A MAUVCDS2SLS</td> <td>H &lt; MAUVCDS2BLB</td> <td>A AUVCDS2SGH</td> <td>✓ &lt; A MAUVCDS2SGF</td> <td>✓ &lt; MAUVCDS2SGS</td> <td>▲ ▲ MAUVCDS2SGB</td> <td></td> <td>_</td>	ctuator gear nechanism DRIVE BLADE TYPE BLADE MOVEMENT	MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES ALUMINUM AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING)	Image: wide wide wide wide wide wide wide wide	<ul> <li>▲</li> <li>MAUVCDG2BLH</li> </ul>	✓ < ∧ MAUVCDG2PLF	✓ ✓ MAUVCDG2BLF	A MAUVCDG2PLS	OBY < MAUVCDG2BLS	A < MAUVCDG2PLB	O < ∧ MAUVCDG2BLB	A MAUVCDG2PGH	m < 	A < MAUVCDG2PGF S	I < A MAUVCDG2BGF Q	H < MAUVCDG2PGS	A < MAUVCDG2BGS d	S < < MAUVCDG2PGB 0	I < < MAUVCDG2BGB ST	→ → WAUVCDS2SLH	X < MAUVCDS2SLF	A < A MAUVCDS2SLS	H < MAUVCDS2BLB	A AUVCDS2SGH	✓ < A MAUVCDS2SGF	✓ < MAUVCDS2SGS	▲ ▲ MAUVCDS2SGB		_
CONSTRUCTION         STAINLESS STEEL 304         I <thi< th="">         I         <th<< td=""><th>ctuator gear nechanism DRIVE BLADE TYPE BLADE MOVEMENT</th><th>MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES ALUMINUM AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING) LOW LEAKAGE</th><td>Image: wide wide wide wide wide wide wide wide</td><td><ul> <li>▲</li> <li>MAUVCDG2BLH</li> </ul></td><td>✓ &lt; ∧ MAUVCDG2PLF</td><td>✓ ✓ MAUVCDG2BLF</td><td>A MAUVCDG2PLS</td><td>OBY &lt; MAUVCDG2BLS</td><td>A &lt; MAUVCDG2PLB</td><td>O &lt; ∧ MAUVCDG2BLB</td><td>A MAUVCDG2PGH</td><td>m &lt;   </td><td>A &lt; MAUVCDG2PGF S</td><td>I &lt; A MAUVCDG2BGF Q</td><td>H &lt; MAUVCDG2PGS</td><td>A &lt; MAUVCDG2BGS d</td><td>S &lt; &lt; MAUVCDG2PGB 0</td><td>I &lt; &lt; MAUVCDG2BGB ST</td><td>→ → WAUVCDS2SLH</td><td>X &lt; MAUVCDS2SLF</td><td>A &lt; A MAUVCDS2SLS</td><td>H &lt; MAUVCDS2BLB</td><td>A AUVCDS2SGH</td><td>✓ &lt; A MAUVCDS2SGF</td><td>✓ &lt; MAUVCDS2SGS</td><td>▲ ▲ MAUVCDS2SGB</td><td></td><td>_</td></th<<></thi<>	ctuator gear nechanism DRIVE BLADE TYPE BLADE MOVEMENT	MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES ALUMINUM AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING) LOW LEAKAGE	Image: wide wide wide wide wide wide wide wide	<ul> <li>▲</li> <li>MAUVCDG2BLH</li> </ul>	✓ < ∧ MAUVCDG2PLF	✓ ✓ MAUVCDG2BLF	A MAUVCDG2PLS	OBY < MAUVCDG2BLS	A < MAUVCDG2PLB	O < ∧ MAUVCDG2BLB	A MAUVCDG2PGH	m < 	A < MAUVCDG2PGF S	I < A MAUVCDG2BGF Q	H < MAUVCDG2PGS	A < MAUVCDG2BGS d	S < < MAUVCDG2PGB 0	I < < MAUVCDG2BGB ST	→ → WAUVCDS2SLH	X < MAUVCDS2SLF	A < A MAUVCDS2SLS	H < MAUVCDS2BLB	A AUVCDS2SGH	✓ < A MAUVCDS2SGF	✓ < MAUVCDS2SGS	▲ ▲ MAUVCDS2SGB		_
BUSHING/ BEARING TYPE         PLASTIC NYLON BUSHES         ·	buator pear nechanism DRIVE BLADE TYPE BLADE MOVEMENT USE	MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES ALUMINUM AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING) LOW LEAKAGE (AIR TIGHT SHUT OFF)	Image: Constraint of the second se	Image: Constraint of the second se	Image: A state of the state	<ul> <li>MAUVCDG2BLF</li> </ul>	<ul> <li>✓</li> <li>✓</li></ul>	<ul> <li>MAUVCDG2BLS</li> </ul>	<ul> <li>✓ H → A</li> <li>✓ A<!--</td--><td>MAUVCDG2BLB</td><td>MAUVCDG2PGH</td><td></td><td></td><td><ul> <li>✓ Single A A MAUVCDG2BGF</li> <li>✓ A A MAUVCDG2BGF</li> </ul></td><td></td><td>MAUVCDG2BGS</td><td></td><td></td><td>→ → WAUVCDS2SLH</td><td>X &lt; MAUVCDS2SLF</td><td>A &lt; A MAUVCDS2SLS</td><td>H &lt; MAUVCDS2BLB</td><td>A AUVCDS2SGH</td><td>✓ &lt; A MAUVCDS2SGF</td><td>✓ &lt; MAUVCDS2SGS</td><td>▲ ▲ MAUVCDS2SGB</td><td></td><td>_</td></li></ul>	MAUVCDG2BLB	MAUVCDG2PGH			<ul> <li>✓ Single A A MAUVCDG2BGF</li> <li>✓ A A MAUVCDG2BGF</li> </ul>		MAUVCDG2BGS			→ → WAUVCDS2SLH	X < MAUVCDS2SLF	A < A MAUVCDS2SLS	H < MAUVCDS2BLB	A AUVCDS2SGH	✓ < A MAUVCDS2SGF	✓ < MAUVCDS2SGS	▲ ▲ MAUVCDS2SGB		_
BEARING       BRASS BUSHES       I	ctuator pear nechanism DRIVE BLADE TYPE BLADE MOVEMENT USE FRAME	MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES ALUMINUM AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING) LOW LEAKAGE (AIR TIGHT SHUT OFF) GALVANIZED STEEL	Image: Constraint of the second se	Image: Constraint of the second se	<ul> <li>A</li> <li>A</li></ul>	A     MAUVCDG2BLF	<ul> <li>✓</li> <li>✓</li></ul>	<ul> <li>MAUVCDG2BLS</li> </ul>	<ul> <li>✓ H → A</li> <li>✓ A<!--</td--><td>MAUVCDG2BLB</td><td>MAUVCDG2PGH</td><td></td><td></td><td><ul> <li>✓ Single A A MAUVCDG2BGF</li> <li>✓ A A MAUVCDG2BGF</li> </ul></td><td></td><td>MAUVCDG2BGS</td><td></td><td></td><td>→ → WAUVCDS2SLH</td><td>X &lt; MAUVCDS2SLF</td><td>A &lt; A MAUVCDS2SLS</td><td>H &lt; MAUVCDS2BLB</td><td>A AUVCDS2SGH</td><td>✓ &lt; A MAUVCDS2SGF</td><td>✓ &lt; MAUVCDS2SGS</td><td>▲ ▲ MAUVCDS2SGB</td><td></td><td>_</td></li></ul>	MAUVCDG2BLB	MAUVCDG2PGH			<ul> <li>✓ Single A A MAUVCDG2BGF</li> <li>✓ A A MAUVCDG2BGF</li> </ul>		MAUVCDG2BGS			→ → WAUVCDS2SLH	X < MAUVCDS2SLF	A < A MAUVCDS2SLS	H < MAUVCDS2BLB	A AUVCDS2SGH	✓ < A MAUVCDS2SGF	✓ < MAUVCDS2SGS	▲ ▲ MAUVCDS2SGB		_
TYPE       S.S. BEARING       I	DRIVE BLADE TYPE BLADE MOVEMENT USE FRAME CONSTRUCTION	MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES ALUMINUM AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING) LOW LEAKAGE (AIR TIGHT SHUT OFF) GALVANIZED STEEL STAINLESS STEEL 304	Image: wide wide wide wide wide wide wide wide	Image: Constraint of the second se	Image: A state of the state	<ul> <li>MAUVCDG2BLF</li> </ul>	<ul> <li>✓</li> <li>✓</li></ul>	<ul> <li>MAUVCDG2BLS</li> </ul>	<ul> <li>✓ H → A</li> <li>✓ A<!--</td--><td>MAUVCDG2BLB</td><td>MAUVCDG2PGH</td><td></td><td></td><td><ul> <li>✓ Single A A MAUVCDG2BGF</li> <li>✓ A A MAUVCDG2BGF</li> </ul></td><td></td><td>MAUVCDG2BGS</td><td></td><td>\[                   \[             \frac{1}{6} = \frac{1}{2} &lt; \leq \]     \[             \[             \frac{1}{6} = \frac{1}{2} &lt; \leq \]     \[             \[             \frac{1}{6} = \frac{1}{2} &lt; \leq \]     \[             \[             \[</td><td>→ → WAUVCDS2SLH</td><td>X &lt; MAUVCDS2SLF</td><td>A &lt; A MAUVCDS2SLS</td><td>H &lt; MAUVCDS2BLB</td><td>A AUVCDS2SGH</td><td>✓ &lt; A MAUVCDS2SGF</td><td>✓ &lt; MAUVCDS2SGS</td><td>▲ ▲ MAUVCDS2SGB</td><td></td><td>_</td></li></ul>	MAUVCDG2BLB	MAUVCDG2PGH			<ul> <li>✓ Single A A MAUVCDG2BGF</li> <li>✓ A A MAUVCDG2BGF</li> </ul>		MAUVCDG2BGS		\[ \[             \frac{1}{6} = \frac{1}{2} < \leq \]     \[             \[             \frac{1}{6} = \frac{1}{2} < \leq \]     \[             \[             \frac{1}{6} = \frac{1}{2} < \leq \]     \[             \[             \[	→ → WAUVCDS2SLH	X < MAUVCDS2SLF	A < A MAUVCDS2SLS	H < MAUVCDS2BLB	A AUVCDS2SGH	✓ < A MAUVCDS2SGF	✓ < MAUVCDS2SGS	▲ ▲ MAUVCDS2SGB		_
MECHANISM         PLASTIC GEARS         I	DRIVE BLADE TYPE BLADE MOVEMENT USE FRAME CONSTRUCTION BUSHING/	MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES ALUMINUM AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING) LOW LEAKAGE (AIR TIGHT SHUT OFF) GALVANIZED STEEL STAINLESS STEEL 304 PLASTIC NYLON BUSHES	Image: wide wide wide wide wide wide wide wide	<ul> <li>MAUVCDG2BLH</li> <li>MAUVCDG2BLH</li> </ul>	Image: A state of the state	MAUVCDG2BLF	<ul> <li>✓</li> <li>✓</li></ul>	MAUVCDG2BLS	<ul> <li>✓ H → A</li> <li>✓ A<!--</td--><td>MAUVCDG2BLB</td><td>MAUVCDG2PGH</td><td>A</td><td></td><td>✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓</td><td></td><td>A MAUVCDG2BGS</td><td></td><td>→ → → → → → → → WAUVCDG2BGB O</td><td>→ → WAUVCDS2SLH</td><td>X &lt; MAUVCDS2SLF</td><td>A &lt; A MAUVCDS2SLS</td><td>H &lt; MAUVCDS2BLB</td><td>A AUVCDS2SGH</td><td>✓ &lt; A MAUVCDS2SGF</td><td>✓ &lt; MAUVCDS2SGS</td><td>▲ ▲ MAUVCDS2SGB</td><td>MAUVCDG2-SMC</td><td>_</td></li></ul>	MAUVCDG2BLB	MAUVCDG2PGH	A		✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓		A MAUVCDG2BGS		→ → → → → → → → WAUVCDG2BGB O	→ → WAUVCDS2SLH	X < MAUVCDS2SLF	A < A MAUVCDS2SLS	H < MAUVCDS2BLB	A AUVCDS2SGH	✓ < A MAUVCDS2SGF	✓ < MAUVCDS2SGS	▲ ▲ MAUVCDS2SGB	MAUVCDG2-SMC	_
PLASTIC GEARS         I         <	DRIVE BLADE TYPE BLADE MOVEMENT USE FRAME CONSTRUCTION BUSHING/ BEARING	MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES ALUMINUM AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING) LOW LEAKAGE (AIR TIGHT SHUT OFF) GALVANIZED STEEL STAINLESS STEEL 304 PLASTIC NYLON BUSHES BRASS BUSHES	Image: wide wide wide wide wide wide wide wide	<ul> <li>MAUVCDG2BLH</li> <li>MAUVCDG2BLH</li> </ul>	Image: A state of the state	MAUVCDG2BLF	<ul> <li>✓</li> <li>✓</li></ul>	MAUVCDG2BLS	<ul> <li>✓ H → A</li> <li>✓ A<!--</td--><td>MAUVCDG2BLB</td><td>MAUVCDG2PGH</td><td>A</td><td></td><td>✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓</td><td></td><td>A MAUVCDG2BGS</td><td></td><td>→ → → → → → → → WAUVCDG2BGB O</td><td><ul> <li>✓</li> <li>✓</li></ul></td><td></td><td><ul> <li>✓ Construction</li> <li>✓ Construction<!--</td--><td>✓ Z B ✓</td><td>V V V V V V V V V V V V V V V V V V V</td><td>A A AUVCDS2SGF</td><td>&lt;</td>   &lt;</li></ul></td>      &lt;</li></ul>	MAUVCDG2BLB	MAUVCDG2PGH	A		✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓		A MAUVCDG2BGS		→ → → → → → → → WAUVCDG2BGB O	<ul> <li>✓</li> <li>✓</li></ul>		<ul> <li>✓ Construction</li> <li>✓ Construction<!--</td--><td>✓ Z B ✓</td><td>V V V V V V V V V V V V V V V V V V V</td><td>A A AUVCDS2SGF</td><td>&lt;</td>   &lt;</li></ul>	✓ Z B ✓	V V V V V V V V V V V V V V V V V V V	A A AUVCDS2SGF	<	<ul> <li>A</li> <li>A</li></ul>	MAUVCDG2-SMC	_
FIXING         FLANGE         Image: Constraint of the state of the	buator pear nechanism DRIVE BLADE TYPE BLADE MOVEMENT USE FRAME CONSTRUCTION BUSHING/ BEARING TYPE	MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES ALUMINUM AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING) LOW LEAKAGE (AIR TIGHT SHUT OFF) GALVANIZED STEEL STAINLESS STEEL 304 PLASTIC NYLON BUSHES BRASS BUSHES S.S. BEARING G.I. LINKAGE	·     ·     ·     ·     ·       ·     ·     ·     ·     ·       ·     ·     ·     ·     ·	<ul> <li>MAUVCDG2BLH</li> <li>MAUVCDG2BLH</li> </ul>	Image: Constraint of the second se	MAUVCDG2BLF	<ul> <li>✓</li> <li>✓</li></ul>	MAUVCDG2BLS	Image: Second system     Image: Second system       Image: Second system     Image: Second system	Image: wide wide wide wide wide wide wide wide	Image: Second system     Image: Second system       Image: Second system     Image: Second system       Image: Second system     Image: Second system	A		✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓		A MAUVCDG2BGS		→ → → → → → → → WAUVCDG2BGB O	WAUVCDS2SLH		A Construction of the second secon	A A B A A A A A A A A A A A A A A A A A	V V V V V V V V V V V V V V V V V V V	A A AUVCDS2SGF	<	<ul> <li>A</li> <li>A</li></ul>	MAUVCDG2-SMC	
TO DUCT         SLIP & CLIP         V	buator pear nechanism DRIVE BLADE TYPE BLADE MOVEMENT USE FRAME CONSTRUCTION BUSHING/ BEARING TYPE	MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES ALUMINUM AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING) LOW LEAKAGE (AIR TIGHT SHUT OFF) GALVANIZED STEEL STAINLESS STEEL 304 PLASTIC NYLON BUSHES BRASS BUSHES S.S. BEARING G.I. LINKAGE PLASTIC GEARS	Image: Constraint of the second se	Image: Second	Image: Constraint of the second se	MAUVCDG2BLF	<ul> <li>✓</li> <li>✓</li></ul>	MAUVCDG2BLS	Image: Second system     Image: Second system       Image: Second system     Image: Second system	Image: wide wide wide wide wide wide wide wide	Image: Second state			✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓		A MAUVCDG2BGS		→ → → → → → → WAUVCDG2BGB O	A A A A A A A A A A A A A A A A A A A		A Construction of the second secon	A A B A A A A A A A A A A A A A A A A A	WAUVCDS2SGH	A A AUVCDS2SGF	<	<ul> <li>A</li> <li>A</li></ul>	Image: Second state     Image: Second state       Image: Second state     Image: Second state	
	DRIVE BLADE TYPE BLADE MOVEMENT USE CONSTRUCTION BUSHING/ BEARING TYPE MECHANISM	MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES ALUMINUM AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING) LOW LEAKAGE (AIR TIGHT SHUT OFF) GALVANIZED STEEL STAINLESS STEEL 304 PLASTIC NYLON BUSHES BRASS BUSHES S.S. BEARING G.I. LINKAGE PLASTIC GEARS HAT-SHAPED	Image: Constraint of the second se	Image: Second	Image: Constraint of the second se	MAUVCDG2BLF	<ul> <li>✓</li> <li>✓</li></ul>	MAUVCDG2BLS	Image: Second system     Image: Second system       Image: Second system     Image: Second system	Image: wide wide wide wide wide wide wide wide	Image: Second state		<	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓		A MAUVCDG2BGS		→ → → → → → → → WAUVCDG2BGB O	A A A A A A A A A A A A A A A A A A A		A Construction of the second secon	A A B A A A A A A A A A A A A A A A A A	WAUVCDS2SGH	A A AUVCDS2SGF	<	<ul> <li>A</li> <li>A</li></ul>	Image: Second state     Image: Second state       Image: Second state     Image: Second state	_
	DRIVE BLADE TYPE BLADE MOVEMENT USE CONSTRUCTION BUSHING/ BEARING TYPE MECHANISM FIXING	MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES ALUMINUM AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING) LOW LEAKAGE (AIR TIGHT SHUT OFF) GALVANIZED STEEL STAINLESS STEEL 304 PLASTIC NYLON BUSHES BRASS BUSHES S.S. BEARING G.I. LINKAGE PLASTIC GEARS HAT-SHAPED FLANGE	Image: Constraint of the second se	Image: Second	Image: Constraint of the second se	MAUVCDG2BLF	Image: Second	MAUVCDG2BLS	Image: Second system     Image: Second system       Image: Second system     Image: Second system	Image: wide wide wide wide wide wide wide wide	Image: Second state		<	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	<td< td=""><td>A MAUVCDG2BGS</td><td></td><td>→ → → → → → → → WAUVCDG2BGB O</td><td>A A A A A A A A A A A A A A A A A A A</td><td></td><td>✓ &lt;</td><td>A A B A A A A A A A A A A A A A A A A A</td><td>WAUVCDS2SGH</td><td>A A AUVCDS2SGF</td><td>&lt;</td>   &lt;</td<>	A MAUVCDG2BGS		→ → → → → → → → WAUVCDG2BGB O	A A A A A A A A A A A A A A A A A A A		✓ <	A A B A A A A A A A A A A A A A A A A A	WAUVCDS2SGH	A A AUVCDS2SGF	<	<ul> <li>A</li> <li>A</li></ul>	Image: Second state     Image: Second state       Image: Second state     Image: Second state	_

## VOLUME CONTROL DAMPER - AVCD SERIES AEROFOIL BLADES

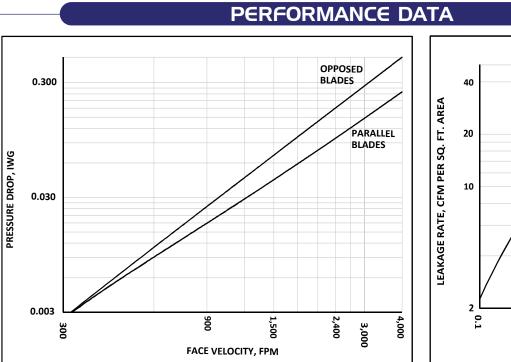
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quadrant	blades shaft frame	FEATURE	AGVCDG2PLH	AGVCDG2BLH	AGVCDG2PLF	AGVCDG2BLF	AGVCDG2PLS	AGVCDG2BLS	AGVCDG2PLB	AGVCDG2BLB	AGVCDG2PGH	AGVCDG2PGF	AGVCDG2BGF	AGVCDG2PGS	AGVCDG2BGS	AGVCDG2PGB	AGVCDG2BGB	<b>AGVCDS2SLH</b>	<b>AGVCDS2SLF</b>	AGVCDS2SLS	AGVCDS2BLB	AGVCDS2SGH	AGVCDS2SGF	AGVCDS2SGS	AGVCDS2SGB	AGVCDG2-SMC	AGVCDS2-SMC
	550/5	MANUAL QUADRANT	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	✓	√ v	· 🗸	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	DRIVE	ELECTRIC ACTUATOR																									
	BLADE	G.I. AEROFOIL BLADES	$\checkmark$	$\checkmark$	$\checkmark$	~	<	$\checkmark$	$\checkmark$	✓	<ul> <li>✓</li> <li>✓</li> </ul>	´ √	$\checkmark$	$\checkmark$	$\checkmark$	~	$\checkmark$									$\checkmark$	
	TYPE	STAINLESS STEEL AEROFOIL																$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$
	BLADE	OPPOSED	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	✓ ✓	<ul><li>✓</li></ul>	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	MOVEMENT	PARALLEL				CAN					ELS ( LLEL												·		2		
		CONTROL (AIR BALANCING)	✓					<u>√</u>			<u></u>		<u> </u>		√	<u></u>	<u> </u>			_ U						1	1
	USE	LOW LEAKAGE	Ľ.	L .		L .		•	*	*	• •	+	Ľ	$\left  \cdot \right $	·	•	·	•	·	•	Ļ	Ļ	·	ŀ		·	÷
		(AIR TIGHT SHUT OFF)																									
	FRAME	GALVANIZED STEEL	$\checkmark$	~	~	~	~	~	~	~	< <	· 🗸	~	✓	~	~	✓									$\checkmark$	
	CONSTRUCTION	STAINLESS STEEL 304										,						$\checkmark$	~	~	$\checkmark$	$\checkmark$	~	$\checkmark$	~	·	~
	BUSHING/	PLASTIC NYLON BUSHES	~		~		~		~		√	1		~		~											
	BEARING	BRASS BUSHES		~		~		~	+	~		-	~		~		~									~	
	ТҮРЕ	S.S. BEARING																$\checkmark$	~	~	~	~	~	~	$\checkmark$		$\checkmark$
		STEEL LINKAGE	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	✓	< <	-						$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$					$\checkmark$	$\checkmark$
	MECHANISM	PLASTIC GEARS										✓	~	$\checkmark$	~	$\checkmark$	$\checkmark$					~	$\checkmark$	$\checkmark$	$\checkmark$		
		HAT-SHAPED	✓	~							v v	·						$\checkmark$				✓				~	√
	FIXING	FLANGE			~	~						1	~						~				~				
										_							- 1										
	то рист	SLIP & CLIP					$\checkmark$	$\checkmark$						√	$\checkmark$					~				$\checkmark$			
		BOX TYPE (INSERTED INSIDE DUCT)						~	✓	✓		1				√	~			~	✓			✓	✓		
			ther	ор	tio	ns (		√ 5.S.	√ bus	√ shes	5 "X"				ari	ing	"S"	are	= st	יסא	√ vn a	at t	he (	ord	√ ∈rin	ig k	еу.
shaft- actuator gear mechani	то вист	BOX TYPE (INSERTED INSIDE DUCT)	MAGVCDG2PLH Ja	MAGVCDG2BLH	MAGVCDG2PLF 0	MAGVCDG2BLF		MAGVCDG2BLS			MAGVCDG2PGH	м	то	5. be	ari	ing	"S"	MAGVCDS2SLH	MAGVCDS2SLF	MAGVCDS2SLS	MAGVCDS2BLB	MAGVCDS2SGH	MAGVCDS2SGF	MAGVCDS2SGS	MAGVCDS2SGB	MAGVCDG2-SMC	MAGVCDS2-SMC
actuator gear	TO DUCT	BOX TYPE (INSERTED INSIDE DUCT) **Ot MODEL		_			of ⊆					M	то	5. be	ari D M	ing IODI	"S" ELS					1					
actuator gear	TO DUCT	BOX TYPE (INSERTED INSIDE DUCT) **Ot FEATURE		_			of ⊆					M	то	5. be	ari D M	ing IODI	"S" ELS					1					
actuator gear	TO DUCT	BOX TYPE (INSERTED INSIDE DUCT) **Ot FEATURE MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES	MAGVCDG2PLH	_			of ⊆			▲ MAGVCDG2BLB		MAGVCDG2PGF	то	5. be	MAGVCDG2BGS T	ing IODI	"S" ELS	▲ MAGVCDS2SLH	A MAGVCDS2SLF	▲ MAGVCDS2SLS	A MAGVCDS2BLB	A MAGVCDS2SGH	MAGVCDS2SGF	A MAGVCDS2SGS	A MAGVCDS2SGB		
actuator gear	TO DUCT	BOX TYPE (INSERTED INSIDE DUCT) **Ot FEATURE MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES STAINLESS STEEL AEROFOIL	A A MAGVCDG2PLH	✓ ▲ MAGVCDG2BLH	MAGVCDG2PLF	✓ ▲ MAGVCDG2BLF	A ▲ MAGVCDG2PLS	MAGVCDG2BLS	MAGVCDG2PLB	<ul> <li>✓</li> <li>✓</li> <li>✓</li> <li>MAGVCDG2BLB</li> </ul>	<ul> <li>MAGVCDG2PGH</li> <li>MAGVCDG2PGH</li> </ul>		A A MAGVCDG2BGF	MAGVCDG2PGS	✓ ▲ MAGVCDG2BGS Ğ		MAGVCDG2BGB ST	▲ MAGVCDS2SLH	▲ MAGVCDS2SLF	MAGVCDS2SLS		1		✓ MAGVCDS2SGS	✓ ▲ MAGVCDS2SGB	A MAGVCDG2-SMC	
actuator gear	TO DUCT	BOX TYPE (INSERTED INSIDE DUCT) **Ot FEATURE MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES	A MAGVCDG2PLH	▲ MAGVCDG2BLH	MAGVCDG2PLF		✓ < MAGVCDG2PLS	<ul> <li>✓</li> <li>✓</li> <li>▲</li> <li>MAGVCDG2BLS</li> </ul>	<ul> <li>✓</li> <li>✓</li> <li>✓</li> <li>MAGVCDG2PLB</li> </ul>	<ul> <li>✓</li> <li>✓</li></ul>	<ul> <li>A A MAGVCDG2PGH</li> <li>A MAGVCDG2PGH</li> </ul>	A A MAGVCDG2PGF	→ → MAGVCDG2BGF	MAGVCDG2PGS	✓ ✓ MAGVCDG2BGS T MAGVCDG2BGS T MAGVCDG2BGS T	MAGVCDG2PGB	<ul> <li>✓</li> <li>✓</li> <li>✓</li> <li>MAGVCDG2BGB</li> <li>Ö</li> </ul>	<ul> <li>✓</li> <li>✓</li> <li>MAGVCDS2SLH</li> </ul>	✓ < < MAGVCDS2SLF	✓ < MAGVCDS2SLS	✓ < MAGVCDS2BLB	<ul> <li>✓</li> <li>✓</li> <li>✓</li> <li>MAGVCDS2SGH</li> </ul>	✓ < MAGVCDS2SGF	A MAGVCDS2SGS	A MAGVCDS2SGB		
actuator gear	TO DUCT	BOX TYPE (INSERTED INSIDE DUCT) **Ot FEATURE MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES STAINLESS STEEL AEROFOIL	A A MAGVCDG2PLH	✓ ▲ MAGVCDG2BLH	✓ ✓ ▲ MAGVCDG2PLF	✓ ✓ ▲ MAGVCDG2BLF	A A MAGVCDG2PLS	→ → MAGVCDG2BLS	A < MAGVCDG2PLB	A A MAGVCDG2BLB	<ul> <li>MAGVCDG2PGH</li> <li>MAGVCDG2PGH</li> </ul>			MAGVCDG2PGS	ACCDG2BGS M DIA MAGVCDG2BGS M DIA		H ✓ ✓ MAGVCDG2BGB S S S S S S S S S S	MAGVCDS2SLH	X < MAGVCDS2SLF	$\vec{P}$ < < MAGVCDS2SLS	H < MAGVCDS2BLB	Si V MAGVCDS2SGH	✓ < < MAGVCDS2SGF	✓ < MAGVCDS2SGS	✓ < MAGVCDS2SGB	A MAGVCDG2-SMC	
actuator gear	TO DUCT	BOX TYPE (INSERTED INSIDE DUCT) **Ot FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES STAINLESS STEEL AEROFOIL OPPOSED	A A MAGVCDG2PLH	✓ ▲ MAGVCDG2BLH	✓ ✓ ▲ MAGVCDG2PLF	✓ ✓ ▲ MAGVCDG2BLF	A A MAGVCDG2PLS	→ → MAGVCDG2BLS	A < MAGVCDG2PLB		MAGVCDG2PGH			MAGVCDG2PGS	ACCDG2BGS M DIA MAGVCDG2BGS M DIA		H ✓ ✓ MAGVCDG2BGB S S S S S S S S S S	MAGVCDS2SLH	X < MAGVCDS2SLF	$\vec{P}$ < < MAGVCDS2SLS	H < MAGVCDS2BLB	Si V MAGVCDS2SGH	✓ < < MAGVCDS2SGF	✓ < MAGVCDS2SGS	✓ < MAGVCDS2SGB	A MAGVCDG2-SMC	
actuator gear	TO DUCT	BOX TYPE (INSERTED INSIDE DUCT) **Ot FEATURE MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES STAINLESS STEEL AEROFOIL OPPOSED PARALLEL	► ► ► MAGVCDG2PLH	✓ ✓ ✓ MAGVCDG2BLH	✓ ✓ ✓ MAGVCDG2PLF	✓ ✓ ▲ MAGVCDG2BLF	A A MAGVCDG2PLS	MAGVCDG2BLS	A < MAGVCDG2PLB		MAGVCDG2PGH			MAGVCDG2PGS	WAGVCDG2BGS G		A A A A A A A A A A A A A A	A MAGVCDS2SLH	MAGVCDS2SLF	$\vec{P}$ < < MAGVCDS2SLS	H < MAGVCDS2BLB	Si V MAGVCDS2SGH	S < MAGVCDS2SGF	✓ < MAGVCDS2SGS	× × MAGVCDS2SGB	<ul> <li>✓</li> <li>✓</li> <li>✓</li> <li>MAGVCDG2-SMC</li> </ul>	▲ < A MAGVCDS2-SMC
actuator gear	TO DUCT	BOX TYPE (INSERTED INSIDE DUCT) **Ot FEATURE MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES STAINLESS STEEL AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING)	► ► ► MAGVCDG2PLH	✓ ✓ ✓ MAGVCDG2BLH	✓ ✓ ✓ MAGVCDG2PLF	✓ ✓ ▲ MAGVCDG2BLF	A A MAGVCDG2PLS	MAGVCDG2BLS	A < MAGVCDG2PLB		MAGVCDG2PGH			MAGVCDG2PGS	WAGVCDG2BGS G		A A A A A A A A A A A A A A	A MAGVCDS2SLH	MAGVCDS2SLF	$\vec{P}$ < < MAGVCDS2SLS	H < MAGVCDS2BLB	Si V MAGVCDS2SGH	S < MAGVCDS2SGF	✓ < MAGVCDS2SGS	× × MAGVCDS2SGB	<ul> <li>✓</li> <li>✓</li> <li>✓</li> <li>MAGVCDG2-SMC</li> </ul>	▲ < A MAGVCDS2-SMC
actuator gear	TO DUCT	BOX TYPE (INSERTED INSIDE DUCT) **Ot FEATURE MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES STAINLESS STEEL AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING) LOW LEAKAGE	► ► ► MAGVCDG2PLH	✓ ✓ ✓ MAGVCDG2BLH	✓ ✓ ✓ MAGVCDG2PLF	✓ ✓ ▲ MAGVCDG2BLF	A A MAGVCDG2PLS	MAGVCDG2BLS	A < MAGVCDG2PLB	MAGVCDG2BLB	MAGVCDG2PGH			MAGVCDG2PGS	WAGVCDG2BGS G		A A A A A A A A A A A A A A	A MAGVCDS2SLH	MAGVCDS2SLF	$\vec{P}$ < < MAGVCDS2SLS	H < MAGVCDS2BLB	Si V MAGVCDS2SGH	S < MAGVCDS2SGF	✓ < MAGVCDS2SGS	× × MAGVCDS2SGB	<ul> <li>✓</li> <li>✓</li> <li>✓</li> <li>MAGVCDG2-SMC</li> </ul>	▲ < A MAGVCDS2-SMC
actuator gear	TO DUCT	BOX TYPE (INSERTED INSIDE DUCT) **Ot **Ot FEATURE MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES STAINLESS STEEL AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING) LOW LEAKAGE (AIR TIGHT SHUT OFF)		<pre></pre>	✓ ▲ ▲ MAGVCDG2PLF	<ul> <li>A</li> <li>A</li></ul>	A A MAGVCDG2PLS	A MAGVCDG2BLS	→ H A A A A A A A A A A A A A A A A A A	MAGVCDG2BLB	MAGVCDG2PGH		WYGACDG2BGF	RIZE WYGACDG2bGS V	A A A A A A A A A A A A A A A A A A A		MAGVCDG2BGB ST	A MAGVCDS2SLH	MAGVCDS2SLF	$\vec{P}$ < < MAGVCDS2SLS	H < MAGVCDS2BLB	Si V MAGVCDS2SGH	S < MAGVCDS2SGF	✓ < MAGVCDS2SGS	× × MAGVCDS2SGB	<ul> <li>MAGVCDG2-SMC</li> </ul>	▲ < A MAGVCDS2-SMC
actuator gear	TO DUCT	BOX TYPE (INSERTED INSIDE DUCT) **Ot **Ot FEATURE MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES STAINLESS STEEL AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING) LOW LEAKAGE (AIR TIGHT SHUT OFF) GALVANIZED STEEL		<pre></pre>	✓ ▲ ▲ MAGVCDG2PLF	<ul> <li>A</li> <li>A</li></ul>	A A MAGVCDG2PLS	A MAGVCDG2BLS	→ H A A A A A A A A A A A A A A A A A A	→ → WAGVCDG2BLB	MAGVCDG2PGH		WYGACDG2BGF	RIZE WYGACDG2bGS V	A A A A A A A A A A A A A A A A A A A		MAGVCDG2BGB ST	AMGVCDS2SLH	A A A A A A A A A A A A A A A A A A A		✓ Z H ✓ MAGVCDS2BLB	→ → → → WAGVCDS2SGH	<ul> <li>Solution</li> <li>Solution&lt;</li></ul>	<ul> <li>&lt; dot in the second sec</li></ul>	Image: A state of the state	<ul> <li>MAGVCDG2-SMC</li> </ul>	▲ < A MAGVCDS2-SMC
actuator gear	TO DUCT	BOX TYPE (INSERTED INSIDE DUCT) **Ot **Ot FEATURE MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES STAINLESS STEEL AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING) LOW LEAKAGE (AIR TIGHT SHUT OFF) GALVANIZED STEEL STAINLESS STEEL 304	Image: Second	<pre></pre>	MAGVCDG2PLF	<ul> <li>A</li> <li>A</li></ul>	→ → → → → → → → → → → → → → → → → → →	A MAGVCDG2BLS	<ul> <li>✓ H A</li> <li>✓ H A</li> <li>✓ A<!--</td--><td>→ → WAGVCDG2BLB</td><td>WAGVCDG2PGH</td><td></td><td>WYGACDG2BGF</td><td>5. be WVGCCDG2bG2S +</td><td>A A A A A A A A A A A A A A A A A A A</td><td></td><td>MAGVCDG2BGB ST</td><td>AMGVCDS2SLH</td><td>A A A A A A A A A A A A A A A A A A A</td><td></td><td><ul> <li>✓ Z →</li> <li>✓ A →</li> <li< td=""><td>→ → → → WAGVCDS2SGH</td><td><ul> <li>Solution</li> <li>Solution&lt;</li></ul></td><td><ul> <li>&lt; dot in the second sec</li></ul></td><td>Image: A state of the state</td><td><ul> <li>MAGVCDG2-SMC</li> </ul></td><td>▲ &lt; A MAGVCDS2-SMC</td></li<></ul></td></li></ul>	→ → WAGVCDG2BLB	WAGVCDG2PGH		WYGACDG2BGF	5. be WVGCCDG2bG2S +	A A A A A A A A A A A A A A A A A A A		MAGVCDG2BGB ST	AMGVCDS2SLH	A A A A A A A A A A A A A A A A A A A		<ul> <li>✓ Z →</li> <li>✓ A →</li> <li< td=""><td>→ → → → WAGVCDS2SGH</td><td><ul> <li>Solution</li> <li>Solution&lt;</li></ul></td><td><ul> <li>&lt; dot in the second sec</li></ul></td><td>Image: A state of the state</td><td><ul> <li>MAGVCDG2-SMC</li> </ul></td><td>▲ &lt; A MAGVCDS2-SMC</td></li<></ul>	→ → → → WAGVCDS2SGH	<ul> <li>Solution</li> <li>Solution&lt;</li></ul>	<ul> <li>&lt; dot in the second sec</li></ul>	Image: A state of the state	<ul> <li>MAGVCDG2-SMC</li> </ul>	▲ < A MAGVCDS2-SMC
actuator gear	TO DUCT	BOX TYPE (INSERTED INSIDE DUCT) **Ot **Ot FEATURE MODEL FEATURE MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES STAINLESS STEEL AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING) LOW LEAKAGE (AIR TIGHT SHUT OFF) GALVANIZED STEEL STAINLESS STEEL 304 PLASTIC NYLON BUSHES	Image: Second	✓ < < < MAGVCDG2BLH	MAGVCDG2PLF	MAGVCDG2BLF	→ → → → → → → → → → → → → → → → → → →	MAGVCDG2BLS	<ul> <li>✓ H A</li> <li>✓ H A</li> <li>✓ A<!--</td--><td>→ → WAGVCDG2BLB</td><td>WYGCCDG2bGH           WYGCCDG2bGH           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V</td><td></td><td>WYGACDG2BGF</td><td>5. be WVGCCDG2bG2S +</td><td>→ → → → → → → → → → → → → → → → → → →</td><td></td><td>Record Second S</td><td>AMGVCDS2SLH</td><td>A A A A A A A A A A A A A A A A A A A</td><td></td><td><ul> <li>✓ Z →</li> <li>✓ A →</li> <li< td=""><td>→ → → → WAGVCDS2SGH</td><td><ul> <li>Solution</li> <li>Solution&lt;</li></ul></td><td><ul> <li>&lt; dot in the second sec</li></ul></td><td>Image: A state of the state</td><td><ul> <li>MAGVCDG2-SMC</li> </ul></td><td>▲ &lt; A MAGVCDS2-SMC</td></li<></ul></td></li></ul>	→ → WAGVCDG2BLB	WYGCCDG2bGH           WYGCCDG2bGH           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V		WYGACDG2BGF	5. be WVGCCDG2bG2S +	→ → → → → → → → → → → → → → → → → → →		Record Second S	AMGVCDS2SLH	A A A A A A A A A A A A A A A A A A A		<ul> <li>✓ Z →</li> <li>✓ A →</li> <li< td=""><td>→ → → → WAGVCDS2SGH</td><td><ul> <li>Solution</li> <li>Solution&lt;</li></ul></td><td><ul> <li>&lt; dot in the second sec</li></ul></td><td>Image: A state of the state</td><td><ul> <li>MAGVCDG2-SMC</li> </ul></td><td>▲ &lt; A MAGVCDS2-SMC</td></li<></ul>	→ → → → WAGVCDS2SGH	<ul> <li>Solution</li> <li>Solution&lt;</li></ul>	<ul> <li>&lt; dot in the second sec</li></ul>	Image: A state of the state	<ul> <li>MAGVCDG2-SMC</li> </ul>	▲ < A MAGVCDS2-SMC
actuator gear	TO DUCT	BOX TYPE (INSERTED INSIDE DUCT) **Ot **Ot FEATURE MODEL FEATURE MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES STAINLESS STEEL AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING) LOW LEAKAGE (AIR TIGHT SHUT OFF) GALVANIZED STEEL STAINLESS STEEL 304 PLASTIC NYLON BUSHES	Image: Second	✓ < < < MAGVCDG2BLH	MAGVCDG2PLF	MAGVCDG2BLF	→ → → → → → → → → → → → → → → → → → →	MAGVCDG2BLS	<ul> <li>✓ H A</li> <li>✓ H A</li> <li>✓ A<!--</td--><td>A A A A A A A A A A A A A A A A A A A</td><td>WYGCCDG2bGH           WYGCCDG2bGH           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V</td><td></td><td>WYGACDG2BGF</td><td>5. be WVGCCDG2bG2S +</td><td>→ → → → → → → → → → → → → → → → → → →</td><td></td><td>Record Second S</td><td>HISSSCH GEA CONSTRUCTION</td><td>A A A A A A A A A A A A A A A A A A A</td><td></td><td>✓ Ž H ✓ MAGVCDS2BLB</td><td>✓ 10 00 10 × 10 00 10 × 10 00 10 × 10 00 10 × 10 00 10 × 10 00 10 × 10 00 10 × 10 00 × 10 × 10 00</td><td>A A A A A A A A A A A A A A A A A A A</td><td>&lt;</td>     &lt;</li></ul>	A A A A A A A A A A A A A A A A A A A	WYGCCDG2bGH           WYGCCDG2bGH           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V           V         V		WYGACDG2BGF	5. be WVGCCDG2bG2S +	→ → → → → → → → → → → → → → → → → → →		Record Second S	HISSSCH GEA CONSTRUCTION	A A A A A A A A A A A A A A A A A A A		✓ Ž H ✓ MAGVCDS2BLB	✓ 10 00 10 × 10 00 10 × 10 00 10 × 10 00 10 × 10 00 10 × 10 00 10 × 10 00 10 × 10 00 × 10 × 10 00	A A A A A A A A A A A A A A A A A A A	<	<	<ul> <li>MAGVCDG2-SMC</li> </ul>	▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲
actuator gear	TO DUCT	BOX TYPE (INSERTED INSIDE DUCT) **Ot **Ot FEATURE MODEL FEATURE MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES STAINLESS STEEL AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING) LOW LEAKAGE (AIR TIGHT SHUT OFF) GALVANIZED STEEL STAINLESS STEEL 304 PLASTIC NYLON BUSHES BRASS BUSHES S.S. BEARING	Image: Second	MAGVCDG2BLH	<ul> <li>✓</li> <li>✓</li></ul>	Image: Constraint of the second se	Image: Second	MAGVCDG2BLS	<ul> <li>✓ H A</li> <li>✓ H A</li> <li>✓ A</li> <li>✓ MAGVCDG2PLB</li> </ul>	A A A A A A A A A A A A A A A A A A A	WGCCDG2DGH		WYGACDG2BGF	5. be WVGCCDG2bG2S +	→ → → → → → → → → → → → → → → → → → →		Record Second S	WAGVCDS2SLH	Image: Second state		Image: Second state of the se	<ul> <li>✓</li> <li>✓</li></ul>	A A A A A A A A A A A A A A A A A A A	<	<	<ul> <li>MAGVCDG2-SMC</li> </ul>	▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲
actuator gear	TO DUCT	BOX TYPE (INSERTED INSIDE DUCT) **Ot **Ot FEATURE MODEL FEATURE MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES STAINLESS STEEL AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING) LOW LEAKAGE (AIR TIGHT SHUT OFF) GALVANIZED STEEL STAINLESS STEEL 304 PLASTIC NYLON BUSHES BRASS BUSHES S.S. BEARING STEEL LINKAGE	Image: Second	MAGVCDG2BLH	<ul> <li>✓</li> <li>✓</li></ul>	Image: Constraint of the second se	Image: Second	MAGVCDG2BLS	<ul> <li>✓ H A</li> <li>✓ H A</li> <li>✓ A</li> <li>✓ MAGVCDG2PLB</li> </ul>	MAGVCDG2BLB	WGCCDG2DGH		IOTCO IOTCO V V V V V V V V V V V V V	5. be WYGACDG5bGS			Record Second S	WAGVCDS2SLH	Image: Second state		Image: Second state of the se	<ul> <li>✓</li> <li>✓</li></ul>	Solution	<     <	<     <     <        <     <     <	<ul> <li>MAGVCDG2-SMC</li> </ul>	▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲
actuator gear	TO DUCT	BOX TYPE (INSERTED INSIDE DUCT) **Ot **Ot FEATURE MODEL FEATURE MODEL FEATURE MANUAL QUADRANT ELECTRIC ACTUATOR G.I. AEROFOIL BLADES STAINLESS STEEL AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING) LOW LEAKAGE (AIR TIGHT SHUT OFF) GALVANIZED STEEL STAINLESS STEEL 304 PLASTIC NYLON BUSHES BRASS BUSHES S.S. BEARING STEEL LINKAGE PLASTIC GEARS	Image: Second system     Image: Second system     Image: Second system       Image: Second system     Image: Second system     Image: Second system	Image: Second	<ul> <li>✓</li> <li>✓</li></ul>	Image: Constraint of the second se	Image: Second	MAGVCDG2BLS	<ul> <li>✓ H A</li> <li>✓ H A</li> <li>✓ A</li> <li>✓ MAGVCDG2PLB</li> </ul>	MAGVCDG2BLB	WackCod2PGH WackCod2PGH WackCod2PGH V V V V V V V V V V V V V V V V V V V		IOTCO IOTCO V V V V V V V V V V V V V	5. be WYGACDG5bGS			Record Second S	WAGVCDS2SLH	Image: Second state		Image: Second state of the se	Image: Second state     Image: Second state       Image: Second state     Image: Second state	Solution	<     <	<     <     <        <     <     <	<ul> <li>A</li> <li>A&lt;</li></ul>	Image: A state of the state
actuator gear	TO DUCT	BOX TYPE (INSERTED INSIDE DUCT) **Ot **Ot MODEL FEATURE MODEL FEATURE MODEL FEATURE MODEL FEATURE MODEL FEATURE MODEL FEATURE MODEL FEATURE MODEL FEATURE MODEL FEATURE GALVADIZEN MODEL FEATURE GALVADIZEN MODEL FEATURE GALVADIZEN STAINLESS STEEL AEROFOIL OPPOSED PARALLEL CONTROL (AIR BALANCING) LOW LEAKAGE (AIR TIGHT SHUT OFF) GALVANIZED STEEL STAINLESS STEEL 304 PLASTIC NYLON BUSHES BRASS BUSHES S.S. BEARING STEEL LINKAGE PLASTIC GEARS HAT-SHAPED	Image: Second system     Image: Second system     Image: Second system       Image: Second system     Image: Second system     Image: Second system	Image: Second	MAGVCDG2PLF	Image: Second	Image: Second	MAGVCDG2BLS	<ul> <li>✓ H A</li> <li>✓ H A</li> <li>✓ A</li> <li>✓ MAGVCDG2PLB</li> </ul>	MAGVCDG2BLB	WackCod2PGH WackCod2PGH WackCod2PGH V V V V V V V V V V V V V V V V V V V		Variable MagvcDg2BGF	5. be WYGACDG5bGS			Record Second S	WAGVCDS2SLH	Image: Construction of the second		Image: Second state of the se	Image: Second state     Image: Second state       Image: Second state     Image: Second state		<	<	<ul> <li>A</li> <li>A&lt;</li></ul>	Image: A state of the state
actuator gear	TO DUCT	BOX TYPE (INSERTED INSIDE DUCT) **Ot **Ot MODEL FEATURE MODEL FEATURE MODEL FEATURE MODEL FEATURE MODEL FEATURE MODEL FEATURE MODEL FEATURE MODEL FEATURE MODEL FEATURE MODEL FEATURE MODEL FEATURE MODEL FEATURE MODEL FLANGE MODEL MODEL FLANGE MODEL FLANGE	Image: Second system     Image: Second system     Image: Second system       Image: Second system     Image: Second system     Image: Second system	Image: Second	MAGVCDG2PLF	Image: Second		→ → → → → → → → → → → → → → → → → → →	<ul> <li>✓ H A</li> <li>✓ H A</li> <li>✓ A</li> <li>✓ MAGVCDG2PLB</li> </ul>	MAGVCDG2BLB	WackCod2PGH WackCod2PGH WackCod2PGH V V V V V V V V V V V V V V V V V V V		Variable MagvcDg2BGF	A CDC2DC2DC2DC2DC2DC2DC2DC2DC2DC2DC2DC2DC2			Record Second S	WAGVCDS2SLH	Image: Construction of the second		Image: Second state of the se	Image: Second state     Image: Second state       Image: Second state     Image: Second state		<     <	<     <     <        <     <     <	<ul> <li>A</li> <li>A&lt;</li></ul>	Image: A state of the state

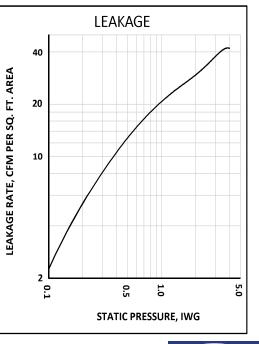
\*\*Other options of S.S. bushes "X" and S.S. bearing "S" are shown at the ordering key.



DAMPERS

# VOLUME CONTROL DAMPER - AVCD SERIES AEROFOIL BLADES





AGNA

#### Ordering Key:

М	AU	VCD	G2	Р	L	F	SIZE
:							
QUADRANT							
DRIVEN							
M:							
MOTORIZED							
	LUMINUM BLADES						
AG: AEROFOIL S							
	CONTROL DAMP	ER					
	CONSTRUCTION						
	ONSTRUCTION	SIANDARD					
	ONSTRUCTION						
	304 CONSTRUCT						
	304 CONSTRUC						
	304 CONSTRUC						
	304 CONSTRUC						
P: PLASTIC NY	LON BUSHES			]			
B: BRASS BUS	SHES						
X: S.S. BUSHE	5						
S: S.S. BEARIN	IGS						
L: STEEL LINK	AGE MECHANISM	I (STANDARD)					
G: PLASTIC GE	ARS MECHANISI	M					
H: HAT-SHAPE	D FRAME						
	D DUCT (STANDA	RD)					
S: SLIP & CLIP							
	INSERTED INSID	E DUCT)					
SIZE: WIDTH X							
-	minimum size:			ingle section π			
		Box/Slip & clip	types.			aped/Flanged t	
100XI50m	im for Hat-shap	ed types.			mm for Slip &	Clip/ Box types	5.