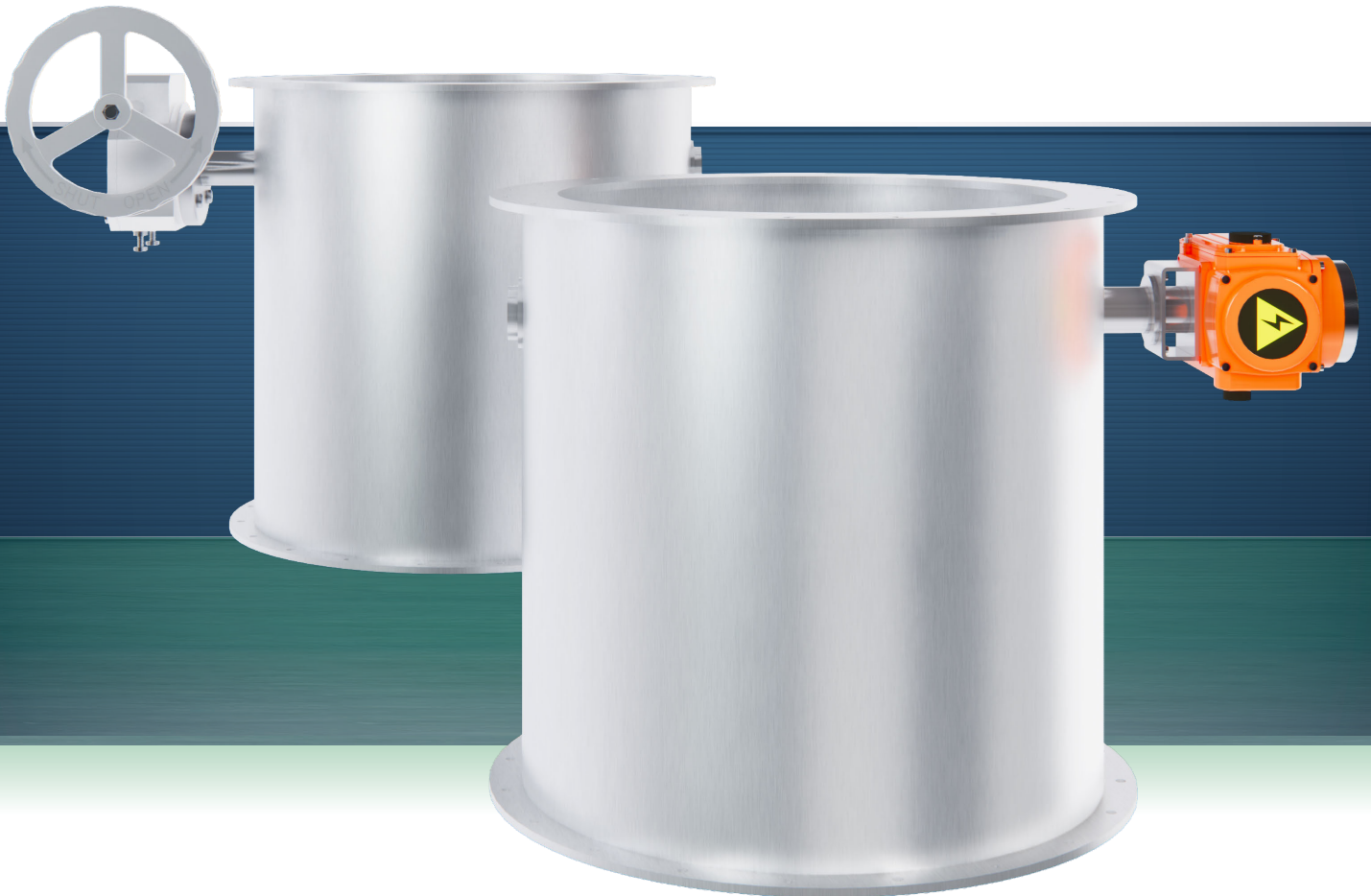




ULTRA LOW LEAKAGE AIR TIGHT DAMPER



JAD SMART SERIES AIR TIGHT DAMPER

Precision-engineered component ensuring effective control of airflow with a seamless and impermeable design.

JAD Smart Series Air Tight Damper is a crucial component in HVAC (Heating, Ventilation, and Air Conditioning) systems designed to control the flow of air within ductwork. Also known as a sealing damper or isolation damper, it plays a key role in regulating and isolating air movement. Commonly used in high-level biosafety laboratories (BSL-3, BSL-4, ABSL-3, ABSL-4), the airtight damper is engineered to provide a tight seal when closed, preventing the unwanted transfer of air between different zones or ducts. This is particularly important in applications where maintaining specific environmental conditions, such as temperature, pressure, or cleanliness, is crucial.

JAD SMART SERIES AIR TIGHT DAMPER



JAD Smart Series Air Tight Damper with Manual Actuator (SDF)



JAD Smart Series Air Tight Damper with Motor Actuator (DDF)

PRODUCT FEATURES

JAD Smart Series Air Tight Dampers is diverse, spanning various industries and applications. Their benefits include energy efficiency, precise control, improved air quality, compliance with environmental standards, and enhanced system longevity.

Airtightness

The leakage rate is not more than 0.25% of the net volume of the component under pressure of not less than +2500 Pa and -2500 Pa.

Durability

Tested more than 30,000 switching cycles, airtightness remains leak-free within an hour.

Temperature Adaptability

-50°C to +120°C

Corrosion Resistance

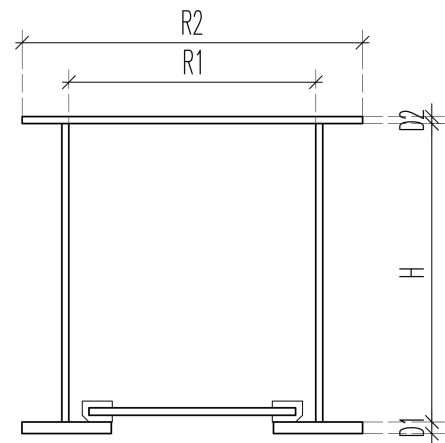
The valve body, valve plate, connecting rod, and other components are made of high-quality 304 stainless steel with a valve body thickness of 4mm. The sealing ring is made of silicone material, resistant to disinfectants, cleaning agents, acids, alkalis, and other chemical reagents.

Pressure Resistance

Under continuous pressure of -2500 Pa for 60 minutes, no permanent structural deformation occurs.

JAD Smart Series Air Tight Dampers is leakage tested in accordance with **ANSI/AMCA 500-D-18** to ensure bubble-tight performance

Model	R1 (mm)	R2 (mm)	H (mm)	D1 (mm)	D2 (mm)
DDF-200 / SDF-200	200	270	200	8	4
DDF-250 / SDF-250	250	320	250	8	4
DDF-300 / SDF-300	300	370	300	8	4
DDF-350 / SDF-350	350	420	350	8	4
DDF-400 / SDF-400	400	470	400	8	4
DDF-450 / SDF-450	450	520	450	8	4
DDF-500 / SDF-500	500	570	500	8	4
DDF-550 / SDF-550	550	620	550	8	4
DDF-600 / SDF-600	600	670	600	8	4
DDF-650 / SDF-650	650	720	650	8	4
DDF-700 / SDF-700	700	770	700	8	4
DDF-750 / SDF-750	750	820	750	8	4
DDF-800 / SDF-800	800	870	800	8	4
DDF-850 / SDF-850	850	920	850	8	4
DDF-900 / SDF-900	900	970	900	8	4
DDF-950 / SDF-950	950	1020	950	8	4
DDF-1000 / SDF-1000	1000	1070	1000	8	4



SDF-Series
JAD Smart Series Air Tight Damper
Manual Actuator



DDF-Series
JAD Smart Series Air Tight Damper
Motor Actuator



everything under control

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