



SIEMENS

Ingenuity for life



GOLO[®] Intelligent Air Valve

usa.siemens.com/golo

The GOLO[®] intelligent air valve is the next generation of air flow control. It is a high precision, low airflow measurement and control terminal unit that uses a dual blade damper system. Its unique design results in reduced energy usage, simplified design and greater flexibility.

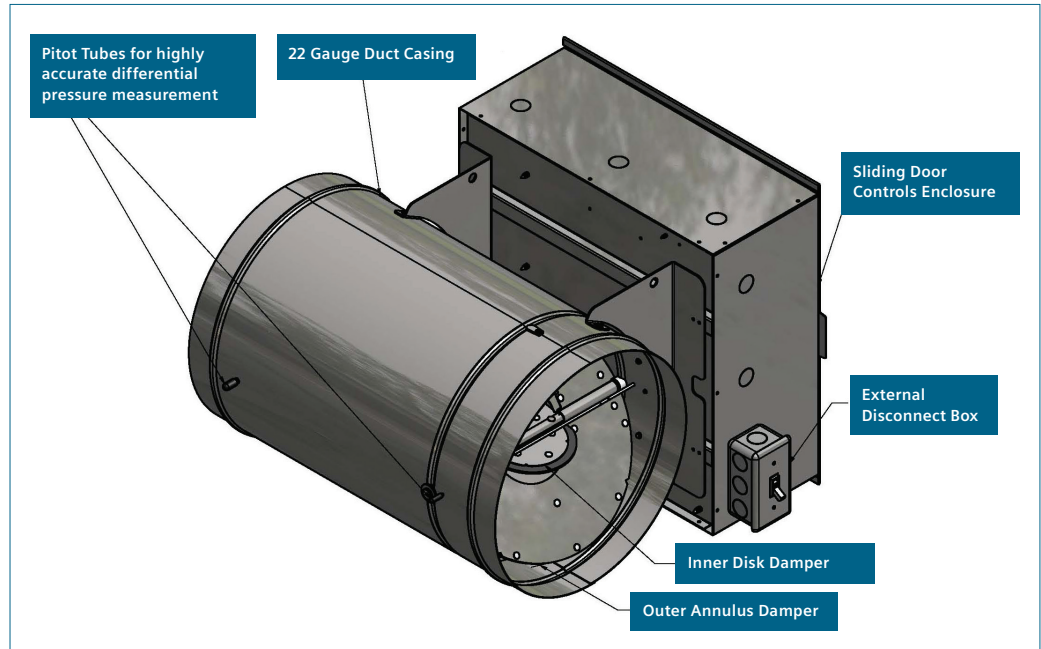
The GOLO[®] intelligent air valve provides stable and precise lab airflow control over the entire range of room airflow requirements. It is pre-engineered, factory fabricated and tested to reduce field installed costs, while providing industry-leading air volume measurement and control. Easy to design and install, the solution includes a VAV terminal with reheat, all controls and hydronics preassembled and leak-tested as a complete package.

GOLO[®] intelligent air valve features

- Up to 100:1 turn down versus blade damper 7:1 and venturi 15:1
- Accurate flow measurement down to 20 CFM
- High performance multi-blade terminal
- Available in stainless steel, galvanized and special coating construction
- Round and low profile rectangular offerings
- No internal insulation
- Siemens DXR Lab Controller supporting Total Room Automation (TRA)

Key Benefits

- Lowers energy costs
- Lowers noise
- Provides greater system flexibility
- Simplified design
- Lowers install costs
- Siemens TRA solution



Pictured above: The GOLO® intelligent air valve.

Benefits for all

For building owners, the GOLO® intelligent air valve has a lower minimum operation pressure drop compared to typical lab air terminal units thus providing greater energy savings during operation. The higher turn down ratio provides greater design flexibility for building designers. With a high turn down ratio, a single size GOLO® intelligent air valve can replace a large range of typical lab air terminal units. This flexibility also accommodates future growth of a facility without impacting system performance. For contractors, installation can be reduced with the use of a single size valve and simplifying duct transitions.

Total Room Automation (TRA)

Use of the Siemens Lab DXR Controller allows the building designer and owner to incorporate the Siemens Total Room Automation (TRA) solution. TRA combines room HVAC, lighting and/or shading systems into one seamless package. As one solution instead of three, Siemens TRA helps to cut initial product costs, installation costs, and ongoing operating cost, while increasing room energy efficiency and providing optimal comfort for room occupants.

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 9/19, Part# 153-SBT-304