

12" Class 300 AOGV

The Izomax patented AOGV is a mechanical isolation tool which can be temporarily assembled on any pair of flanges in a pressurised process system. The tool is used to replace gaskets, install, and retrieve blind spades to facilitate intrusive maintenance. The blind spade or a combination of several spades in different locations can replace the function of valves and provide positive isolation for vessels, valves, or parts of a process plant. Bleeding or purging through the blind spade can also be facilitated. The AOGV design meets the requirements as per EU Pressure Equipment Directive (PED) (2014/68/ EU) and EN 13445 - Unfired Pressure Vessels. Upgrade your maintenance process with the reliable and innovative AOGV.

TECHNICAL DATA

Dimensions	3550 mm x 790 mm x 570 mm [139.8 in x 31 in x 22.4 in]
Weight*	1255 kg / 2505 lbs
Flange Class	ASME B16.5 Class 300
Design Code	PED 97/23/EC - EN 13445
Design Pressure	50 bar / 725.2 psi
Design Temperature	-29°C to +50°C / -20°F to +122°F
Body Material	Pressure vessel steel (P355/P460)
Gasket	SPW ASME 16.20 or Sheet Gaskets

* The weight of the AOGV is suspended at all times by chain hoists attached to the superstructure or scaffolding above the actual flange.

The AOGV safely manipulates the flanges, positions a blind spade between the flanges, removes the old gasket or valve, and inserts a new one. Flange bolts are accessed and torqued with ordinary bolting equipment. Plant reinstatement is a critical element of an isolation activity. The AOGV is a temporary tool that can be installed anytime during normal plant operation and allows important maintenance and inspection work to be performed with less impact on the process plant. The AOGV aims to perform interventions with significantly less impact on production than traditional methods. The process fluid largely remains in the operating system, which reduces environmental impact, cost, and downtime.

