

Model MI

THREE LEVER VALVE

The MI three-lever valve is an on/off unidirectional valve designed for gas media applications in different industries such as:

- Air separation plants
- Steel Industry
- Petrochemical Industry
- Power Industry

Sizes

DN 300 to DN 2400

Pressure and temperature ratings

DN 300 to DN 2400 : PN10 to Class 300

P265GH: up to 425°C

Dust Content

Up to 1000 gr/Nm³
Other working conditions upon request

Standard flange connection

EN 1092 PN10/16
ASME 150/300 Serie B

Face to face

EN 558 series 14

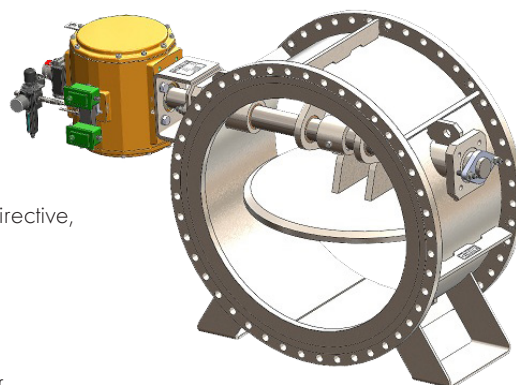
Directives

2006/42/EC Machinery Directive
2014/68/EU Pressure Equipment Directive,
category III, mod. H

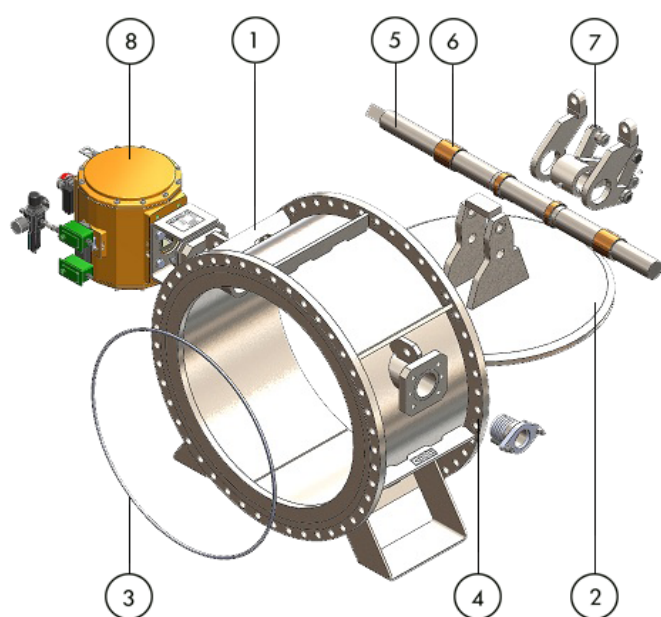
Design and Testing

EN 12516 Industrial valves
EN 12266 Industrial valves. Testing of
metallic valves

Other design codes and/or certifications
available upon request (ASME VIII, TSG
D7002,...)



STANDARD PARTS LIST



Part	Description
1	Body P265GH / GP240GH
2	Disc P265GH
3	Seal Soft (Graphited) / Metal
4	Packing Graphite rings
5	Bushings Self lubricated
6	Shaft AISI 420
7	Levers P265GH
8	Actuator Pneumatic (linear/¼ turn)

DESIGN FEATURES

The three lever valve is specially designed for high working pressures and high gas flows application. It is an on/off valve and the pneumatic actuator is designed to open the valve at low differential pressures (100-250 mbar)

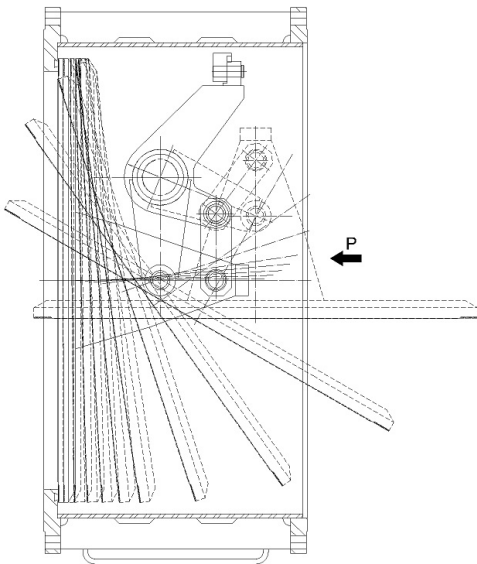
Body
Fabricated or casting construction

Disc
Three lever linkage to design to get a frontal disc to seat contact movement

Packing
Stem packing is made of die formed graphite/PTFE rings for low emissions

Seat
Front face contact reduces seat wearing and prevents disc jamming even in high temperature applications

Actuator
Consistent torque over time and precise differential pressure control to open. Valve can act as extra safety to process avoiding pressure shocks due to sudden openings protecting other elements (e.g. bed absorbers for air separation plants). Pneumatic ¼ turn or linear actuators available. Custom pneumatic solutions as per customer requirements

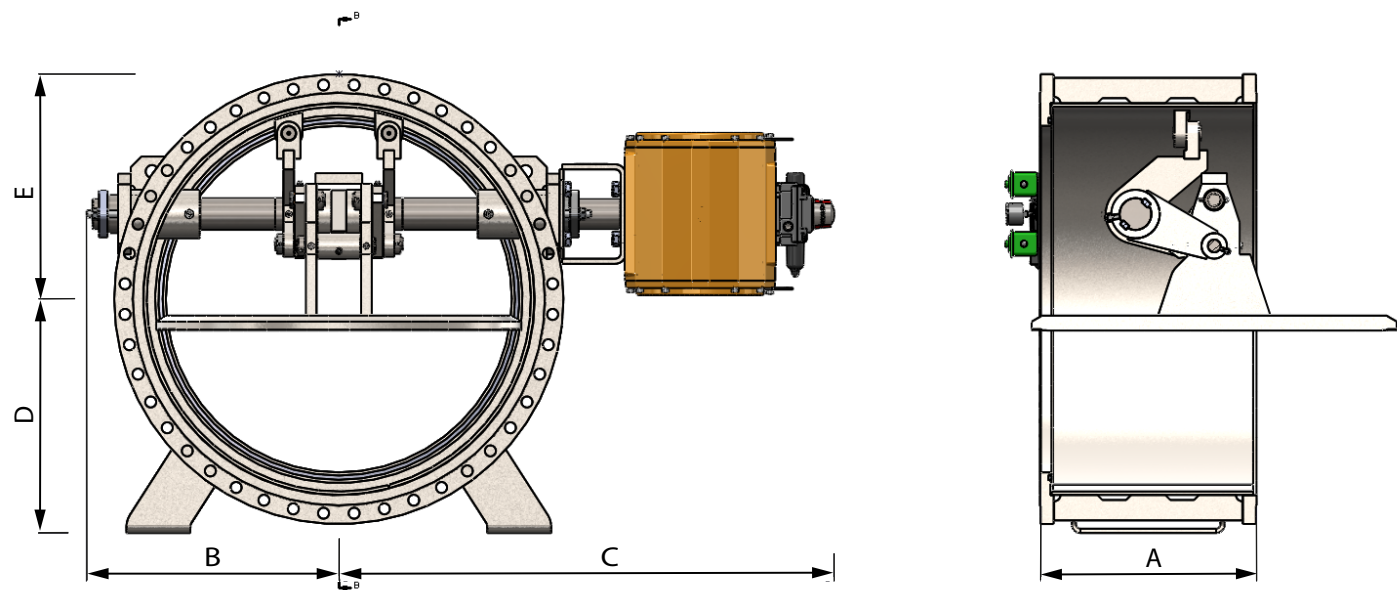


SEAT CONFIGURATIONS/DESIGNS

Type	Features	
	ASME FCI-70	EN 12266
Metal seat	IV	40% Rate F
Soft seat	V	Rate D

PNEUMATIC CYLINDER

MI+1/4 turn actuator



DN	A	B	C	D	E
300	270	250	470	275	250
400	310	300	550	325	300
500	350	350	700	375	350
600	390	400	910	425	390
700	430	450	970	475	450
750	450	475	1000	525	490
800	470	500	1050	550	525
900	510	525	1170	550	530
1000	550	650	1200	650	615
1200	630	710	1300	750	730