

Model MP

THREE LEVER VALVE

The MP 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 250 to DN 2400

Pressure and temperature ratings

DN 250 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

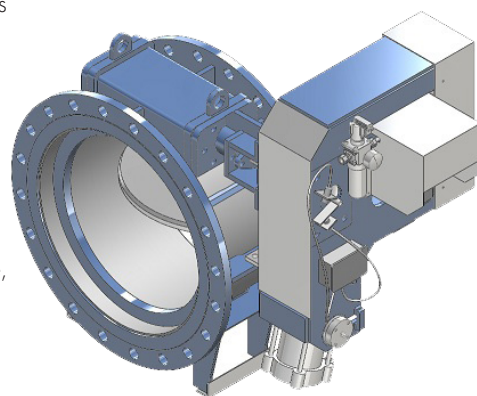
Directives

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

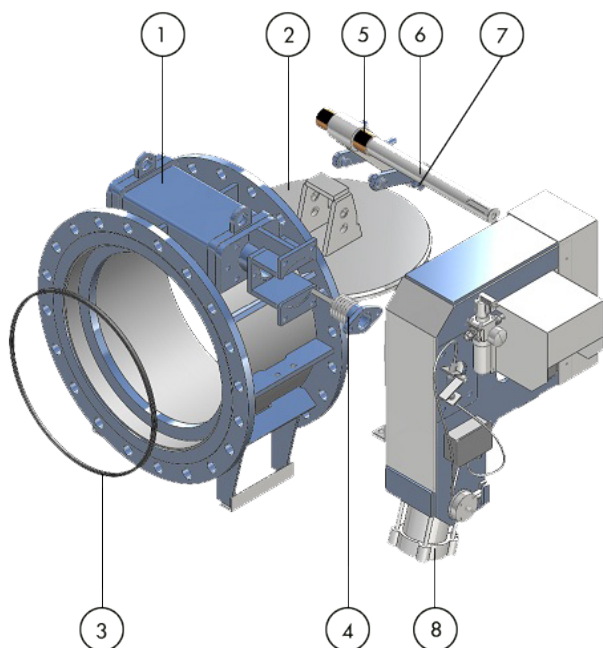
Design and Testing

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
2 Disc	P265GH
3 Seal	Soft (Graphited) / Metal
4 Packing	PTFE
5 Bushings	Self lubricated
6 Shaft	AISI 420
7 Levers	P265GH
8 Actuator	Pneumatic

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)

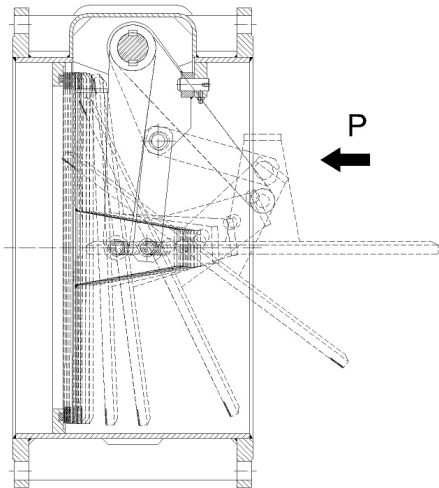
Body
Fabricated construction

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

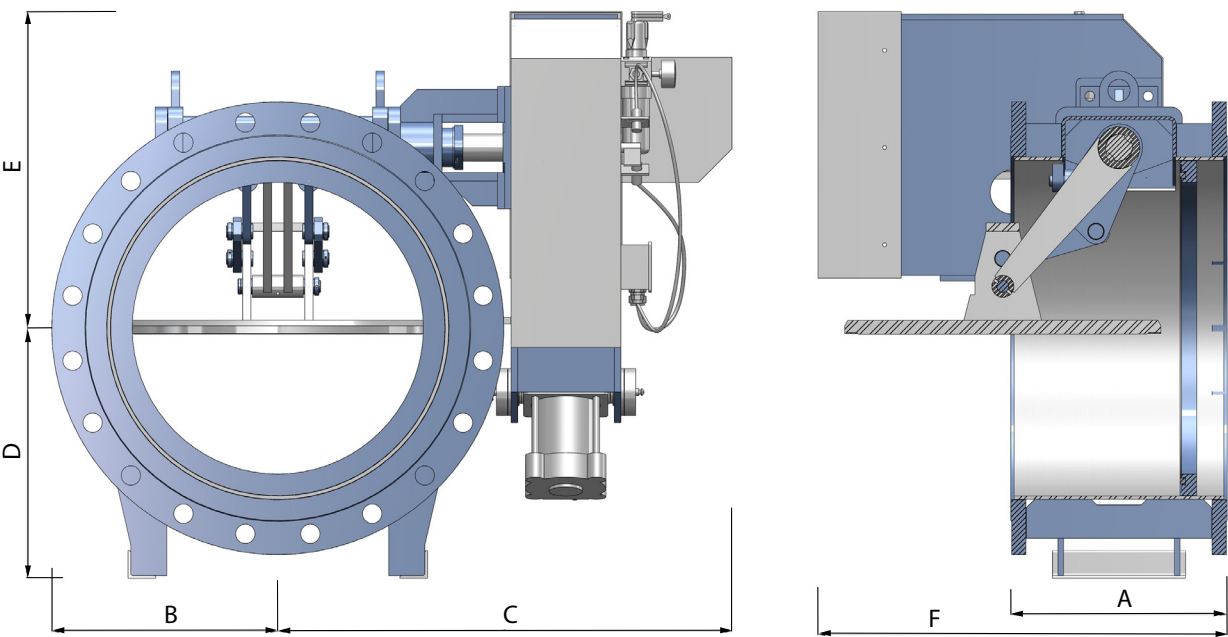
Actuator
Consistent torque over time and precise differential pressure control to open. Valve can act as extra safety to process avoiding pressure shocks due to sudden openings protecting other elements (e.g. bed absorbers for air separation plants). Pneumatic ¼ turn or linear actuators available. Custom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



DN	A	B	C	D	E	F
250	250	200	560	425	385	550
300	270	225	560	425	385	575
350	290	255	560	425	400	610
400	310	290	560	425	435	625
450	330	310	600	425	485	760
500	350	340	680	490	550	760
600	390	390	800	525	590	760
700	430	450	890	600	690	915
750	450	460	925	600	715	925
800	470	475	960	600	750	950
900	510	560	1010	600	850	1065
1000	550	615	1150	680	950	1200
1200	630	730	1300	780	1120	1350
1400	710	815	1550	900	1125	1405
1600	790	915	1700	975	1400	1450
1800	870	1025	1950	1100	1475	1650
2000	950	1200	2150	1180	1570	1860
2200	1030	1250	2400	2300	1750	1980
2400	1110	1350	2600	2500	1900	2150