

## TECHNICAL BULLETIN

### FAY - FDV MECHANICAL EARTHQUAKE VALVE

The mechanical earthquake valve that perceives the seismic activity (earthquakes), and automatically shuts off the flow of gas as a result of the perceived activities.

This device has been designed to automatically shut off the gas flow due to earthquakes under TS12884 standard conditions. When the device is subjected to the momentum range of seismic vibrations given in the standard conditions, the device makes shut-off.

Gasses used:

- Natural gaz
- LPG
- Methane
- Propane
- Air ...etc gaseous fluids.



**Gas touched surfaces and body aluminium and brass/other parts aluminium brass and stainless steel .**

Model	Thread ( G )	DN	Connection Type	Working Pressure	Max. Withstand Pressure
FDV32	1 1/4"	32	Thread	0,5 bar	2,5 bar
FDV40	1 1/2"	40	Thread	0,5 bar	2,5 bar
FDV50	2"	50	Thread	0,5 bar	2,5 bar
FDV 80	3"	80	Flanged	4 bar	6 bar
FDV100	4"	100	Flanged	4 bar	6 bar
FDV125	5"	125	Flanged	4 bar	6 bar
FDV150	6"	150	Flanged	4 bar	6 bar
FDV200	8"	200	Flanged	4 bar	6 bar

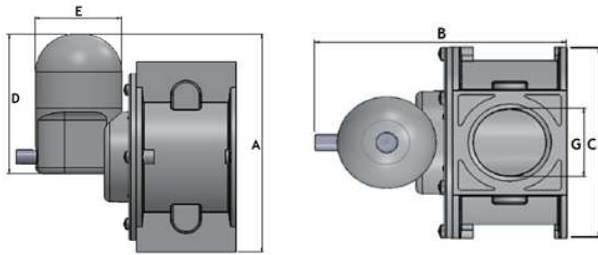
Model	DN	Q Nm <sup>3</sup> /h ΔP 10 mbar
FDV 80	80	700
FDV100	100	1400
FDV125	125	1500
FDV150	150	1500
FDV200	200	2500

## FDV 32 /FDV 40/ FDV 50 SPECIFICATIONS



- Operating Pressure:0 -500 mbar
- Max. test pressure: 2,5 bar
- Operating temperature: -30°C /+60°C
- Thread length: min 20 mm

### Dimensions



Model	Thread ( G )	DN	A	B	C	D	E
FDV32	1 1/4"	32	183	171	140	117	67
FDV40	1 1/2"	40	183	171	140	117	67
FDV50	2"	50	183	171	140	117	67

Model	Thread ( G )	DN	Inlet pressure (mbar)	Pressure loss (mbar)	Q (m <sup>3</sup> /h)	Energy (kW)
FDV32	1 1/4"	32	125	50	225	2300
FDV40	1 1/2"	40	125	50	260	2600
FDV50	2"	50	125	50	310	3200

*Min. Capacity Values Table*

