

**Introduction**

Series butterfly valve is triple off-set design which has a Advantage of light weight, Compact design and costeffective And low operation torque and can replace traditional gate, Globe & ball valve in most of industries application



**Pneumatic Actuator**

Double acting	Air to open, air to close, air supply failure to keep the current position
Single Acting N/C	Air to open, interrupt air to close, air failure to close
Single Acting N/O	Air to close, interrupt air to open, air failure to open
Optional accessory	Reversing solenoid valve, limit switch box, air filter reducing valve, positioner, handle manual, lock up valve

**Technical Parameters**

Body		Valve components	
Size Range	DN50-DN600	Seating Material	Hard metal, tungsten carbide, nickel alloy
Body material	Stainless Steel	Core Material	Stainless Steel
End Connection	Wafer flange	Stem Material	Stainless Steel
Operating Pressure	1.0MPa, 1.6MPa, 2.5MPa	Applicable media	Liquid, gas, steam, high temperature medium, wear-resistance medium .
Structure	Triple eccentric		

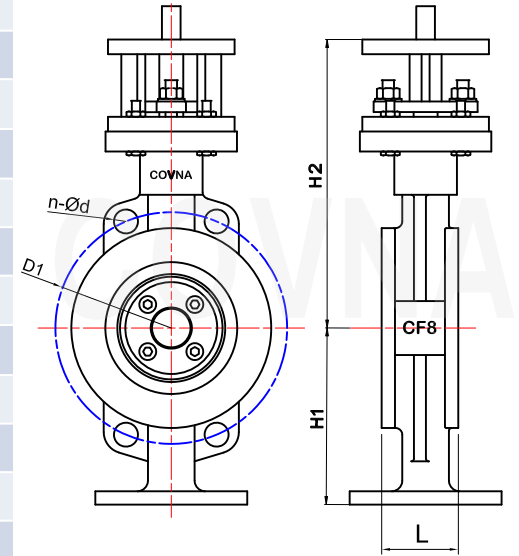
**Product Weight**

N.W.(kg)	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN500	DN600
Actuator													
Valve Body													

**Outline Size drawing**

UNIT: mm

DN	D1	n-φd	L	H1	H2
DN50	125	4-Ø18	43	80	
DN65	145	4-Ø18	46	90	
DN80	160	4-Ø18	49	98	
DN100	180	8-Ø18	56	112	
DN125	210	8-Ø18	64	128	
DN150	240	8-Ø18	70	147	
DN200	295	8-Ø23	71	178	
DN250	355	8-Ø23	76	215	
DN300	410	12-Ø26	78	250	
DN350	470	12-Ø26	78	280	
DN400	525	12-Ø26	102	320	
DN450	585	16-Ø30	114	350	
DN500	650	20-Ø30	127	380	
DN600	770	20-Ø36	154	440	



**Installation Instruction**

1. Before installing the valve, clean the line of dirt, scale, welding chips, and other foreign material. Clean gasket surfaces thoroughly to insure leak-proof joints.
2. Verify that the valve breakaway torque is less than the rated output torque of the actuator.
3. Any mechanical stops that would interfere with the operation of the actuator must be removed before installation of the actuator, i.e. lever, travel stops, etc.
4. The actuator output coupling must be centered with the valve stem to prevent side loading, which causes premature stem packing wear.
5. To use the manual override feature (identified on cover label), the override shaft must be pressed down firmly at least 1/4" in order to disengage the motor from the gears. The manual override is not designed to overcome torque in excess of the rated torque of the actuator. Serious damage to the gear system may result from excessive turning force on the manual override.
6. This Series actuator may be mounted in any position, i.e. horizontal, upside down. If the conduit entrance points upward, conduit piping must be oriented as to prevent condensation from entering the actuator from the conduit pipe.
7. Check flow direction to be sure valve is installed correctly. Fail-closed valves should be installed with the shaft upstream only in gas service. It's preferred that liquid service valves be installed with the shaft downstream regardless of air failure action. However, under certain flow conditions the valve can flow shaft upstream. Consult the factory if the valve must be mounted with the shaft upstream in liquid service Fail-open valves should be installed with the shaft downstream.
8. Fully close the valve before and during the installation process. Keep hands, hair, clothing, etc. away from the rotating disc and the seat when operating the valve. Failure to do so could cause serious injury.
9. Make sure proper clearance exists internally in the mating piping to permit proper disc rotation.