

**Introduction**

1. The valve with more and more tightly sealed off function, a reliable sealing performance.
2. Sealing material selection matching stainless steel and nitrile rubber oil, long service life.
3. PTFE sealing to pull on the body, can also be located dish plate, applicable to different characteristics of the medium for users to choose.
4. dish plate with frame structure, high strength, flow area, flow resistance.



**Pneumatic Actuator**

ON/OFF Type	Feedback: the Active Contact Signal, Passive Contact Signal, Resistance, 4-20mA
Regulation Type	Input & Output Signal: DC 4-20mA, DC 0-10V, DC 1-5V
Field Operation	The Field, Remote Control Switch Regulation and MODBUS, PROFIBUS Field Bus
Voltage Optional	AC110–240V 380V 50/60Hz; DC12V, DC24V, Special Voltage Can be Customized
Protection Class	Ip65; Explosion Proof Construction Are Aailable: EX d II BT4

**Technical Parameters**

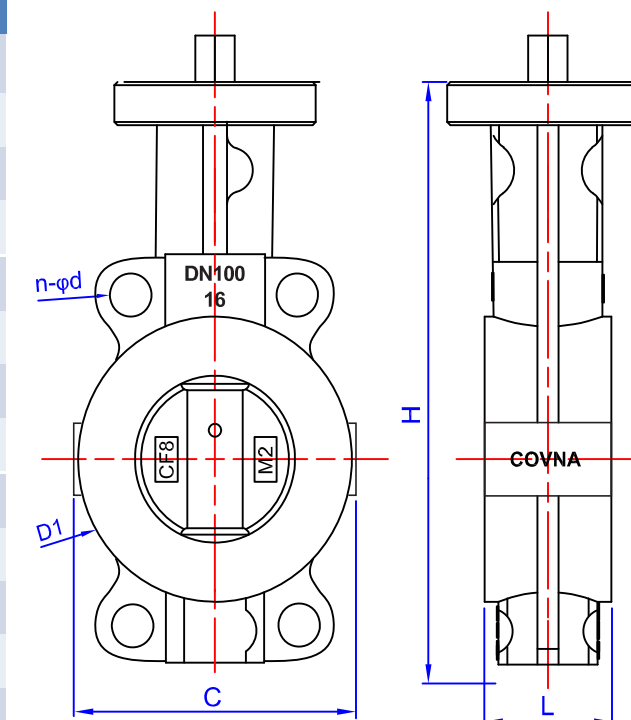
Valve Body		Valve Components	
Size Range	DN50-DN500	Body Material	SS, CI, Ductile Iron, WCB
Operating Pressure	1.0MPa, 1.6MPa	Disc Material	SS, CI, Ductile Iron, WCB
End Connection	Wafer, Flange	Sealing Material	NBR, EPDM, VITON, PTFE
Structure	Midline Structure A Type	Applicable Media	Control of Water, Air, Gas, Oil, Liquid, Steam

**Product Weight**

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

**Qutine Size drawing**

MODEL	D1	n-φd	L	H1	C
DN50	125	4-Ø19	43	212	130
DN65	145	4-Ø19	46	230	150
DN80	160	8-Ø19	46	233	164
DN100	180	8-Ø19	52	270	188
DN125	210	8-Ø19	56	298	220
DN150	240	8-Ø23	56	337	252
DN200	295	8-Ø23	60	407	305
DN250	355	12-Ø23	68	481	370
DN300	410	12-Ø23	78	555	430
DN350	470	16-Ø23	78	610	470
DN400	525	16-Ø23	102	715	565
DN450	585	20-Ø23	114	778	620
DN500	650	20-Ø23	127	870	695



**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.