



Ragon Industries (Pty) Ltd

INDUSTRIAL VALVE SPECIALISTS



Dome Type Valve



DOME TYPE VALVE

The unique feature of the dome valve is that it cuts off the material flowing or stationary column of material to the pressure tank and then closes sealing. This ensures 100% filling of the pressure tank.

B72INF Dome type valve is a high performance special valve and is used all over the world in Material Handling Systems in a wide range of industries. Dome type valves are capable of handling powdery and granular materials like Lithium battery materials, flyash, bottom ash, boiler bed sand and limestone. B72INF Dome type valve has a simple construction and automatically inflating sealing mechanism which operates with compressed air ensuring minimized wearing. The valve closes also through the material, opening the material flow only a quarter turn from fully closed to fully open. The design of Inflatable seat Dome type valve makes it extremely reliable and easy to maintain, providing long maintenance intervals.

Since there is no friction between the ball and the seat when valve is operated, a B72INF Dome type valve can reach a life of more than three million cycles, providing contact wear compensation even when the valve seat or ball is severely abraded by material.

The advantageous performance features of Longer valve life, Minimal seat wear, Ultra-low torque requirements, Lower actuator costs, Full opening for material flow, Excellent for abrasive and dry solids, Low maintenance, All these points make the B72INF a valve which will save a lot of cost for users and bring great benefits to customers for slurries, bulk powders, granules, irregular solids, gases and gaseous powders.

SPECIFICATIONS

Connection	
Normal diameter	DN150-DN300
Max. working pressure	10bar
Standard working pressure	Full vacuum~8bar (according the on-site gas source)
Flange standard	EN1092 PN10/16, GB/T 9119
Structure length	EN558 Series 36
Top flange	ISO 5211
Seal test	ISO 5208 Category 3, API 598 Table 5
Temperature range	-40° C to +350° C (Depending on pressure, medium and material)
Operation	Pneumatic actuator(DA, SA)
torque	the torque varies according to different use of medium



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