

KORATONE

CMO
AFRICA

NOT YOUR ORDINARY VALVE SUPPLIER



DIAPHRAGM VALVE

**STRAIGHT THROUGH TYPE
FULL BORE**



FOR SLUDGE, DRY MEDIA AND ABRASIVE SLURRY

STRAIGHT THROUGH TYPE FULL BORE

The Straight-Through Diaphragm Valve comprises a valve body and a flexible diaphragm. Closure is achieved mechanically through a compressor positioned above the diaphragm. This type of valve is particularly well-suited for on/off control applications involving slurries, powders, liquids, granulated materials, and processes where scale buildup may occur.

PRODUCT SPECIFICATIONS:



Size Range:	50mm - 300mm
Valve Type:	Straight Through
Elastometer: Diaphragm	Gum Rubber , Chlorobutyl
Valve Internals:	304 Stainless Steel spindles , rubber diaphragm
Temperature Range:	- 50 C to 140 C
Body Material:	Cast SG Iron
Body Lining:	Natural Rubber
Flanged Body:	Drilled to SABS,ANSI,BS OR DIN

Features:

Full Bore,low friction loss

100% drip tight closure even with solids in the medium

Bi Directional

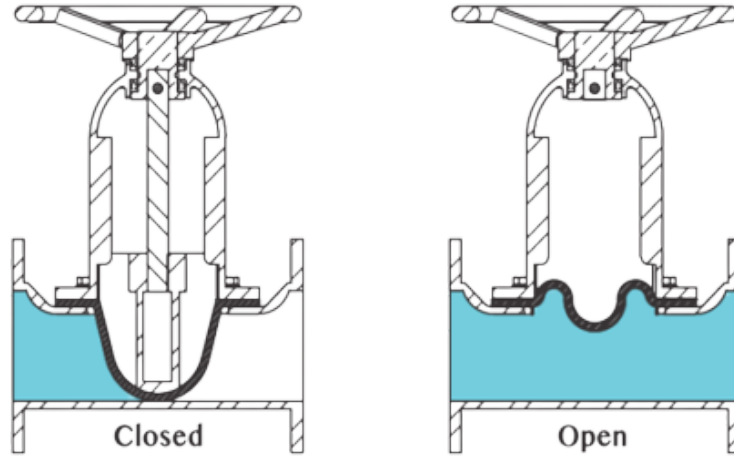
All types of actuators can be fitted

Fast easy diaphragm change

Replaceable rubber diaphragm and body lining

Flexible re-inforced diaphragm

HOW THE VALVE OPERATES



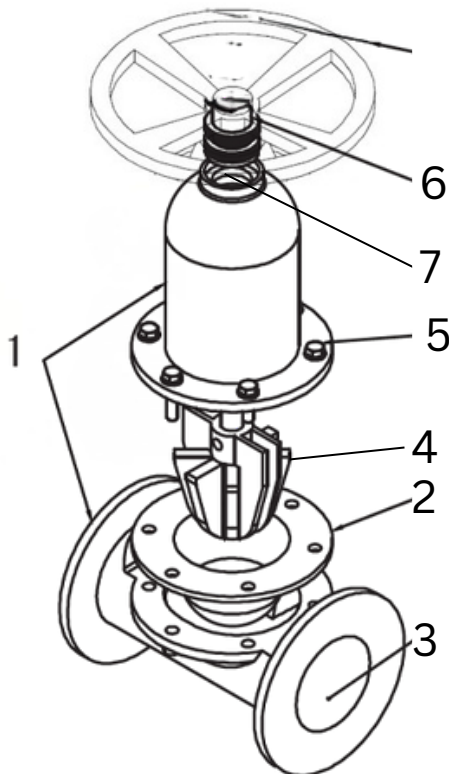
ACTUATORS

All types of actuators can be fitted: electric, gearbox, hydraulic, pneumatic and handwheel

APPLICATIONS

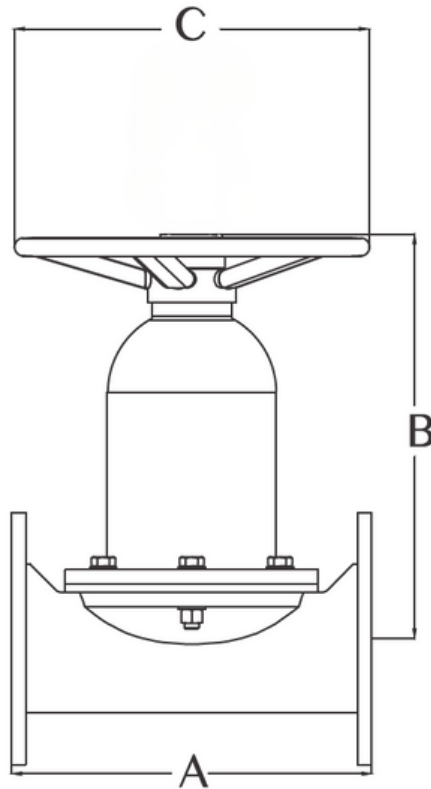
The valve is suited for mining and mineral processing, power generation, sand/gravel, chemical & soda ash, pulp&paper, environmental & effluent, dry feeds & powders

DIMENSIONS AND WEIGHTS



PART	DESCRIPTION
1 BODY/BONNET	Cast Aluminium or SG iron
2 DIAPHRAGM	Rubber or Urethane
3 END BODY LINING	Rubber, Urethane, Halar or Ceramic
4 COMPRESSOR	Cast Iron
5 BOLTS & NUTS	Cadmium Plated Steel
6 HANDWHEEL	Cast SG Iron
7 SPINDLE	SS 304

DIMENSIONS AND WEIGHTS



NOMINAL BORE (mm)	A	B	C	WEIGHT (KG)	BAR
50MM	191	181	100	15	16
80MM	254	245	300	30	16
100MM	305	267	300	40	16
150MM	400	375	500	70	16
200MM	521	410	500	120	16
250MM	635	559	500	170	8
300MM	749	635	600	420	8