MINE TRACK & TOOLS (PTY) LTD.

MINDS OF STEEL WITH HEARTS OF GOLD

Manufacture & reconditioning of:

Valves

Pumps

Locomotives

Mining Equipment



OUR COMPANY

Mine Track & Tools serves as the single most influential valve company to the mines that mine the Great Gold Reef running through the Witwatersrand Basin. Our reputation on the platinum mines, mining the Platinum on the Merensky and UG2 Reefs, is also one that we are very proud of. We have been the leaders in the Slurry, Water and Air Valve markets for over 30 years.

Mine Track & Tools is the sole manufacturer of the WM Diaphragm valve and the only licensed repairer of this outstanding range of slurry vales which boast the world's first and only 25 bar rated range of Diaphragm Valves. We also manufacture our own range of Knife Gate Valves, Gate Valves, Pinch Valves, Butterfly Valves, Air Agitation Valves, Check Valves Wafer Type and Swing Check Valves. We also have a fully equipped rubber division that produces specialized hand built rubber hoses, specialized mouldings and rubber lining. Our workshop and staff are able to repair Valves to SABS specifications ranging from 15mm to 2000mm. Our knowledgeable staff have been involved in the valve industry since the early 1970's and are more than capable to fulfill any valve requirements that our clients may have.

At Mine Track & Tools, we believe in walking a journey with each and every one of our clients to best accommodate their specific needs. We are not merely Manufacturers of Valves and Allied products, we are Valve Specialists and therefore consult various clients on projects and everyday valve associated enquiries. We aim to achieve the maximum life span out of a valve in its specific application by either putting in superior linings or changing the type of valve used where necessary.

Mine Track & Tools is a company with a well-earned reputation in the mining industry and we look forward to providing you with the world-class service that our clients have come to expect from us.

OUR DEDICATED TEAM

Wynand Mulder *(Director)*
+27 82 821 1910
info@minetrack.co.za

Vincent Mulder *(Director)*
+27 79 517 4489
vincent@minetrack.co.za

Alfred "Shorty" Ntombela
(Director (Partner))
+27 71 331 6536
alfred@minetrack.co.za

Byron Smith *(CFO)*
+27 82 395 9900
byron@minetrack.co.za

Ansie Scheepers *(Agent)*
+27 82 394 4041
ansie@minetrack.co.za

Jimmy Doyle *(Office Manager)*
+27 71 331 6501
info@minetrack.co.za

KNIFE GATE VALVES

FEATURES

- Cost saving - low maintenance
- Top works protected for robust applications
- Double flanged
- Supporting seal fitted to gland seal for longer life on gland seal
- Valves do not need to be removed from the line as the gland seal allows for adjustment and replacement while in the line.
- All resilient seal linings offer 'no' leakage on gas, powders and liquids
- Our design offers positive seating at all times preventing 'cavity' on the bottom where solids accumulate
- The self cleaning section prevents slurry or solid build up that allows free movement of the blade at all times

Mine track & tools' valves have been designed for higher pressures

REPLACEMENT OF GLAND PACKING

- Depressurise the circuit and place the valve in closed position
- Rising stem valves. Release the spindle or stem from the gate
- Loosen the screws of the yoke and remove it
- Loosen the nuts of the gland follower and remove it
- Remove the old packing rings and clean the stuffing box
- Insert the new packing rings making sure that the ring joints alternate
- Once the necessary packing rings have been inserted, proceed with a steady initial tightening of the gland follower
- Fix the stem to the gate
- Remount the gate guards
- Carry out some operations with a loaded circuit and then retighten the gland follower to prevent leakage

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KNIFE GATE VALVES

DIMENSIONS

SIZE	UNLINED STD FACE	LINED STD FACE	LENGTH (mm)	PRESSURE RATING (bar)	MASS (kg)
50	40	46	430	12	10
80	44	50	430	12	10
100	59	62	460	12	12
150	70	78	560	12	25
200	72	80	740	12	32
250	76	84	900	10	48
300	80	88	1050	10	78
350	96	104	1170	8	89
400	100	108	1320	8	120
450	100	112	1460	7	225
500	110	122	1630	7	260
600	110	122	1850	7	320
700	110	122	2050	7	410
750	120	132	2160	7	455
800	120	132	2270	7	510
1000	130	142	2750	7	720

SPECIFICATIONS

Body: Cast Iron, Carbon Steel, Stainless Steel
Blade: Stainless Steel 304/314, Rocklast Hardened Material
Hand Wheel: Cast Iron
Lining: Natural Rubber, EP DM, Polyurethane
Gland: Cast Steel
Pillar: Cast Steel
Spindle: 304 Stainless Steel
Rev Nut: Bronze Lg2

Lubrication:
Recommendation - twice yearly. Remove protection cap, fill stem protector cap half way with calcium based grease.

Grease Characteristics:
High water resistant, low ash content and excellent adherence.

Storage:
Store in well ventilated room. Valves should not be exposed to temperatures higher than 300 °C. If stored outside, cover valve and protect from heat and direct sunlight.

Information Required to Quote:
- Size of Bore
- Working Pressure
- Temperature
- Table Drilling
- Operation (Handwheel, Gearbox or Actuator) Media (Chemical, slurry etc.)

WM DIAPHRAGM VALVES

WM DIAPHRAGM VALVES

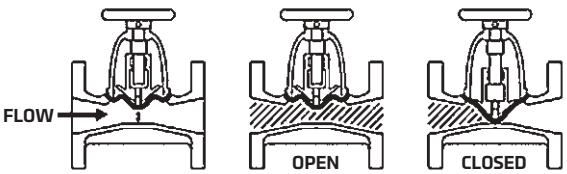
The WM Diaphragm Valve is an outstanding product that has proven itself in the South African Mining industry for the past three decades. We now proudly boast the worlds first 25 bar rated range of Diaphragm Valves for slurry. This outstanding range of valves is our company's flagship product. We are the sole producer of the WM Diaphragm valve and the only licensed repairer of this outstanding range of slurry valves. WM Diaphragm Slurry Valves are of an advanced design (patented) which provides straight-through flow whilst restricting to a minimum the flexing stress imposed on the diaphragm. The internal contours of the body ensure smooth flow and is suitable for all types of protective lining. The greatest advantage of diaphragm valves is their extreme versatility and this is well developed in the WM S type. A wide selection of body materials coupled with a variety of highly developed rubbers and synthetics for the diaphragm enable the valve to handle the widest possible range of duties. The diaphragm is moulded in the 'open' state and has therefore no tendency to stick "closed", this increases the life span.

ADVANTAGES

- A Diaphragm Valve is able to be repaired while inline by simply replacing the bonnet assembly. This greatly reduces down time, which we all know costs more than any valve ever could
- Spares are easy to replace allowing the Bonnet assembly to be repaired on site
- Valve stock is kept to a minimum as spares are kept instead of complete valves
- Valve costs are radically reduced due to the above-mentioned advantages

MATERIALS

CODE	APPLICATION
1	Natural rubber base suitable for general purpose use. Maximum temperature: 110 °C
2	Super "X" gum rubber base, outstanding performance on abrasion. Maximum temperature: 80 °C
3	Nitrile rubber base suitable for mineral and vegetable oils and some hydrocarbon solvents. Maximum temperature: 100 °C
4	Neoprene rubber base suitable for general purpose use but better oil and acid resistance than Code 1. Maximum temperature: 100 °C
5	White Neoprene food quality suitable for occasional low pressure steam sterilizations. Maximum temperature: 120 °C
6	Butyl rubber base suitable for acid and alkalis. Maximum temperature: 120 °C
7	PTFE faced highest chemical resistance of all diaphragms. Maximum temperature: 150 °C
8	Hypalon rubber base suitable for strong acids having greater resistance than Code 5. Maximum temperature: 120 °C
9	Viton - A fluoroelastomer with outstanding resistance to oils, fuels, lubricants and most mineral acids. Also resistant to many aliphantic and aromatic hydrocarbons. Maximum temperature: 150 °C



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WM DIAPHRAGM VALVES

ADVANTAGES

Advantages Of The WM Diaphragm Valve Over The KB and A Type Diaphragm Valve.

WM DIAPHRAGM VALVE

- **Casting Material SG42** (Ductile Iron) is far superior to Cast Iron
- **High tensile bolts and nuts** are used on bonnet assembly which ensures on-site valve repair is carried out easily and effectively
- Range features **PN 10, PN 16 and PN 25** on all sizes
- **Diaphragm is moulded in the open position,** therefore not imposing stress when working in the open position, which studies prove to be ±80% of the time and thus a longer life span is achieved
- **Interchangeable Bonnet Assemblies:** 200mm and 250mm use the same bonnet assembly. 300mm, 350mm and 400mm use the same bonnet assembly

KB AND A TYPE DIAPHRAGM VALVE

- **Casting Material Cast Iron** which breaks easily and breaks when valves experience "water hammer"
- **Studs and nuts** are used on bonnet assembly. Studs often break when on-site repairs are carried out, causing the valve to be a safety hazard
- Range only offers **PN 10** on smaller sizes and **PN 3** on 300 - 400mm
- **Diaphragm is moulded in the closed position,** and is therefore under stress when valve is in the open position, causing a decreased life span as flow media corrodes rubber easier when placed under tension
- **All bonnet assemblies are size specific**

DIMENSIONS

NORMAL BORE	25	50	80	100	150	200	250	300	350	400
A: LENGTH OVER FLANGES (F/F) (mm)	127	191	254	305	406	521	635	749	749	749
C: DIAMETER OF FLANGES (mm)	114	152	205	216	280	337	400	457	527	595
D: THICKNESS OF FLANGES (mm)	12.7	19	19	22.2	22.2	25.4	25.4	28.6	31.8	31.8
E: HEIGHT FROM CENTRE (mm)	89	152	172	229	286	406	406	600	600	600
F: DIAMETER OF HANDWEEL (mm)	100	118	133	197	254	368	368	600	600	600
DIAMETER SG IRON FLANGED (Lbs)	8	20	33	62	118	275	334	467	540	620
DIAMETER SG IRON FLANGED (Kg)	3.6	9.0	15.0	28.1	53.5	125	125	212	245	282
WORKING PRESSURE (Bar)	16	16	16	16	16	12	12	10	10	10
MAXIMUM RECOMMENDED (KPa)	1 600	1 600	1 600	1 600	1 600	1 200	1 200	1 000	1 000	1 000
TOTAL VALVE WEIGHT (Kg)	7.2	12.07	19.07	32.075	56	136	161	393	415	467

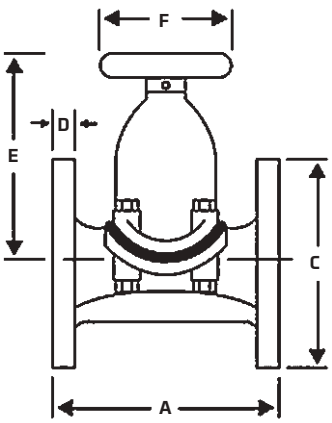
SPECIFICATIONS *(MINIMUM SPEC.)*

Body: SABS 936-SG42 (SG Iron)

Bonnet: SABS 936-SG42 (SG Iron)

Handwheel: SG Iron

Compressor: SG Iron



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PINCH VALVES

FEATURES

Totally enclosed SGI (Spheroidal Graphite Iron) casting.

Mounting: Bolts and nuts.

- Full flow design to give zero flow resistance
- Easy replaceable flexible rubber tube which can be manufactured in various types of materials depending on application
- Face to face dimensions interchangeable with lined diaphragm valve
- Two moving pinch bars closing the tube at the centre line resulting in a tight shut off

SPECIFICATIONS *(MINIMUM SPECIFICATIONS)*

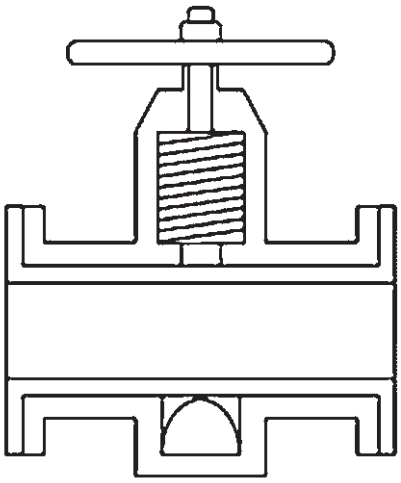
Body: SG 42, Aluminium
Sleeve: EPDM (Ethylenepropylene Terpolymer), Natural Rubber, Nitrile, Butyl, Hypalon

DIMENSIONS

DRILLING/PCD		
1 600/3	**1 000/3**	**DIN**
125 x 4 x 18	125 x 4 x 18	114 x 4 x 18
160 x 8 x 18	160 x 8 x 18	146 x 4 x 18
180 x 8 x 18	180 x 8 x 18	178 x 4 x 18
240 x 8 x 22	240 x 8 x 22	235 x 8 x 18
294 x 12 x 22	295 x 8 x 22	292 x 8 x 22
355 x 12 x 26	350 x 12 x 22	356 x 8 x 22
410 x 12 x 26	400 x 12 x 22	406 x 8 x 22
470 x 16 x 22	460 x 16 x 22	470 x 12 x 25
525 x 16 x 30	515 x 16 x 26	521 x 12 x 25

DRILLINGS

SABS DIMENSIONS			
SIZE (mm)	**664**	**665**	**ISO**
50	216	178	150
80	229	203	180
100	254	229	190
150	280	267	210
200	317	292	230
250	356	330	250
300	380	356	270
350			-
400			-



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BUTTERFLY VALVES - *WAFER TYPE*

SPECIFICATIONS

OPERATIONS: Lever, Gearbox and Actuator

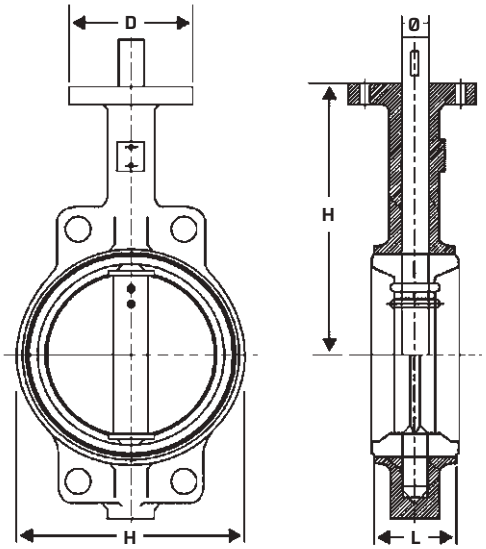
MATERIALS OF CONSTRUCTION

Body: Wafer available in Cast iron, Ductile Iron, Cast Steel, Stainless Steel
Disc: Nickel-plated, Bronze and CF 8M(316), Stainless Steel
Protection: Epoxy powder coated body
Stem: Stainless Steel
Liner: EPDM (Ethylenepropylene Terpolymer)/NBR vulcanised
Operation: Hand lever, Gearbox, Actuator
Tested: SABS, JASWIC, BSS 155 compliant
Lugged: Semi or Fully
Pressure: 1 600 kPa (16 Bar)
O-Ring: NBR, EPDM (Ethylenepropylene Terpolymer)

STAINLESS STEEL/PTFE

	A	B	C
Disc	316 SS	CF8M	NP/SS
Body	-	CF8M	C1/SG
Liner	Integral PTFE	PTFE (6mm thick) on CF8M Disk	EPDM Nitrile Viton
Operation	Hand Lever or Gearbox		
Stem	SS		
Tested	SABS, JASWIC, BSS 155 Compliant		
Pressure	1 600 kPa	2 500 kPa	1 600 kPa

BUTTERFLY VALVES - *WAFER TYPE*



DIMENSIONS

SIZE	L	H	DIAM Ø	W	D
DN40	32	139	12.6		65
DN50	42.04	161	12.6	52.5	65
DN65	44.68	175	12.6	63.8	65
DNBO	45.21	181	12.6	78.1	65
DN100	52	200	15.77	103.8	90
DN125	54.36	213	18.92	123.1	90
DN150	55.7	226	18.92	155	90
DN200	60.1	260	22.1	202.1	125
DN250	65.63	292	28.45	250.1	125
DN300	76.5	337	31.6	301.1	125
DN350	76	368	31.6	333.3	125
DN400	86	400	33.15	389.6	175
DN450	105	422	38	440.5	175
DN500	127	480	41.15	491.6	175
DN600	151	562	50.65	592.5	210
DN700	162	623.9	63.35/55	695	300
DN750	166	646	63.35/55	744.6	300
DN800	187	672	63.35/55	794.7	300
DN900	202	720	75	864.7	300
DN1000	215	800	85	965	300
DN1200	276	940.7	105	1164.5	350

EPWIN CHECK VALVES - *WAFER TYPE*

EPWIN WAFER CHECK VALVES

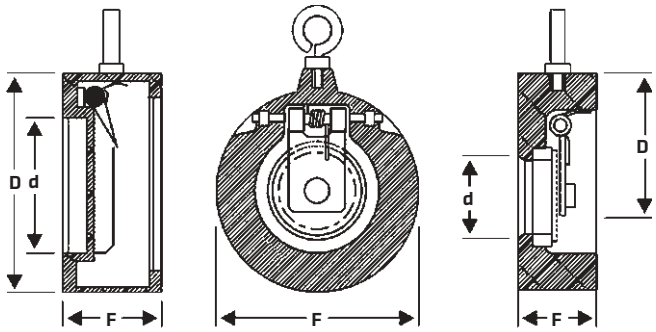
Epwin Wafer Check Valves are now 100% locally manufactured. The Epwin Wafer Check Valve provides a most reliable and effective method to check Back Flow in fluid lines. The compact design provides considerable space saving compared to conventional non-return valves. Wafer Check Valves are easily installed between two flanges. Epwin Wafer Check Valves are designed generally to meet the requirements of API 6 D for the ANSI size range, and DIN 3202 and ISO 5752 for the metric size range, with metal to metal drip tight sealing. The design incorporates a unique torsion spring which ensures quick closing of the clapper at the instant of flow loss, so preventing flow reversal build up and resultant water hammer. Excellent sealing, minimized pressure loss and low opening pressures are features of Epwin Wafer Check Valves which are manufactured under a rigorous Quality Assurance Program. Single door action ensures full flow of media with less working parts and less points of failure, which lengthen the life span of the valve.

SPECIFICATIONS

APPLICATIONS: Water Chemicals

MATERIALS OF CONSTRUCTION ***(MINIMUM SPECIFICATIONS)***

Body: SABS 936-SG42 (S, G, Iron), Stainless Steel 316, Cast Steel, Alloy 20
Clack: Stainless Steel 316, Alloy 20
Spindle: Stainless Steel 316, Alloy 20
Seat: Stainless Steel 316, Alloy 20, Stelite
Soft seal "O"-Ring: Butyl, Nitrile, PTFE, Natural Rubber, Neoprene, EPDM (Ethylenepropylene Terpolymer)



TYPICAL FABRICATED PATTERN

TYPICAL CAST PATTERN

DIMENSIONS

SIZE	ANSI 150			ANSI 300			PN 10			PN 16			PN 40		
D	D	d	F	D	d	F	D	d	F	D	d	F	D	d	F
50	110	38	60	110	38	60				110	38	43	108	38	60
80	148	52	73	148	52	73				148	52	49	143	52	73
100	174	75	73	180	75	73				163	75	56	169	70	64
150	220	120	98	248	120	98				219	120	70	225	110	76
200	278	165	127							274	160	71	292	155	89
250	338	205	146							330	190	76	354	190	114
300	406	240	181							384	230	83	417	225	114

SWING CHECK VALVES

SWING CHECK VALVES

SINGLE DOOR SG LOW & HIGH PRESSURE SWING CHECK VALVES

SIZES: 50 - 300mm (conform to SABS 192. CLASS 40)
SIZES: 50 - 300mm (conform to SABS 144. CLASS 10, 16, 25)

SLAMMING
Swing Check Reflux Valves are subject to slamming on rapid reversal of flow. Valve doors may be balanced by using a counter weight and lever attached to the hinge shaft. It is recommended that all sizes of high pressure reflux valves are fitted with counter weight or hydraulic dampers to regulate speed of closing.

BYPASSES
Valve sizes 200mm and larger may be fitted with bypass assemblies to drain the pipeline downstream of the main valve or in the open position, to relieve surge pressures.

TEST

SIZE	BODY	DOOR
50 - 300mm (Fig. 5-510/40)	6.4 MPa	4.0 MPa
50 - 300mm (Fig. 10/16/25)	1.6/2.5/4.0 MPa	10/16/25 MPa

SPECIFICATIONS

The illustrations on this leaflet are subject to modification without notice. Valves are rated 1.6 MPa, 2.5 MPa and 40 MPa working pressure, each valve is subjected to hydraulic pressure test on body and door, without leakage, before leaving the factory.

MATERIALS OF CONSTRUCTION ***(MINIMUM SPECIFICATIONS)***

Body: Speriodal Graphite Iron (SG)
Cover: SG 42 & 50
Door: SG 42 & 50
Hinge Shaft: EN 57 Stainless Steel
Seat Faces: Stainless Steel appropriate to service
Extras Available: Lever and Counterweight

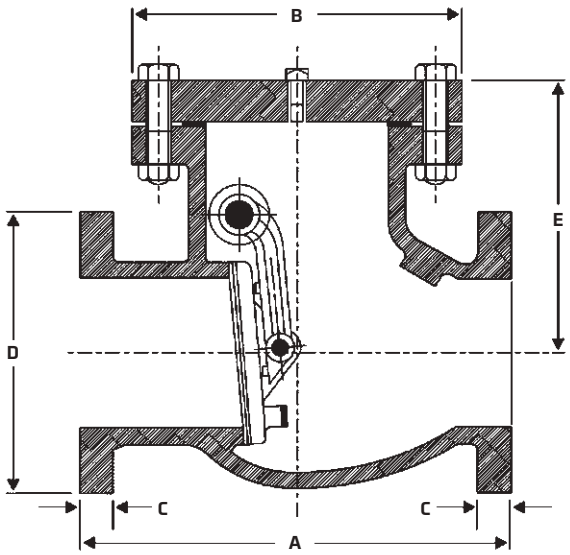
HEAD LOSS

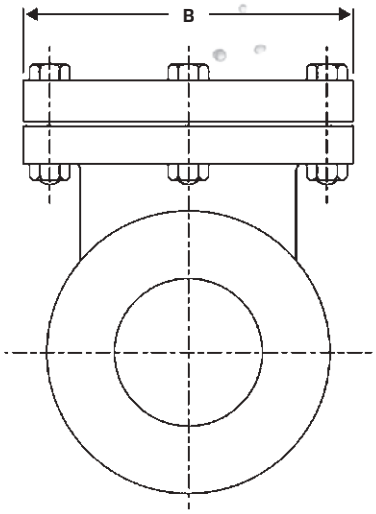
The table below indicates head loss in kPa across right pattern swing check valves mounted in horizontal pipelines, with door shafts supported in low friction bearings and without counterweight or other damping devices affecting movement of the doors. Head loss is indicated at various fluid velocities through the valves of clean water at 200 °C. The minimum head loss across the valves required to hold the doors in the open position averages 3.5 kPa in all sizes.

		HEAD LOSS IN kPa			
SIZE	NO OF DOORS	AT 2 M/S	AT 2.5 M/S	AT 3.0 M/S	AT 3.5 M/S
50	1	4.4	7.0	10.0	13.5
80	1	4.4	7.0	10.0	13.5
100	1	4.4	7.0	10.0	13.5
150	1	4.4	7.0	10.0	13.5
200	1	4.4	7.0	10.0	13.5
250	1	4.4	7.0	10.0	13.5
300	1	4.2	6.6	9.5	13.5

All valves are manufactured at our works.

SWING CHECK VALVES





50 - 300mm
1,0/1,6/2,5 & 4,0 Mpa

DIMENSIONS *(IN mm)*

SIZE	1.0/1 .6/2.5 MPa SERIES						4.0 MPa SERIES					
	A	B	C	D	E	MASS KG	A	B	C	D	E	MASS KG
50	230	172	20	165	115	16	230	172	20	165	140	19
80	305	229	22	200	195	30	305	229	24	200	195	36
100	355	247	24	220	210	45	355	240	24	235	210	54
125	410	318	26	250	245	65	-	-	-	-	-	-
150	445	343	26	285	264	66	450	343	28	300	264	125
200	535	420	30	340	318	131	535	420	34	375	298	180
250	635	461	32	405	356	226	635	480	38	450	356	290
300	760	521	32	460	400	303	760	495	42	515	380	400

RESILIENT SEAL GATE VALVES

RESILIENT SEAL GATE VALVES

SABS 664 FLANGED & SPIGOT ENDS. SIZES: 50 - 250mm

The Right 16 resilient seal gate valve is the most widely used valve of its type for water reticulation service in Europe. It conforms dimensionally to SABS 664 Class 16. The resilient seal gate valve is called for in 90 percent of waterworks applications in Europe. The reason for this can be seen in the features as illustrated.

Seating: Uniform contact between body and gate at every point ensures even compression of the rubber, guaranteeing a complete seal. The profile of the sealing surfaces is designed to eliminate wear on the seat faces as the gate closes. The sealing angle is constant and there is no sliding contact between faces in contact, eliminating any shearing, tearing or wearing of the rubber seal. The resilient seal accommodates body distortion resulting from pressure or pipe stresses, and offers drop-tight seal over the whole range of pressures.

Maintenance: Gland repacking is eliminated by the use of the nylon seal bush supporting spindle seal O-rings. With the valve in the 'Full-Open' position, a positive back seal is effected, enabling the spindle seals to be replaced with the valve under pressure. The bonnet is secured to the cover by two set screws and the whole assembly can be replaced within two minutes. Valve gates can be replaced without removing the body from the pipeline. All gates of the same size are interchangeable without "matching".

ADVANTAGES

Positive shut-off: Positive tight shut-off over the whole range of pressures.

Reduced operational torque: Low gland friction reduces operating torque. The polished stainless steel spindle is supported in the nylon housing bush and sealed by two O-rings. By eliminating the conventional stuffing box the spindle torque is reduced by 30 percent.

Convenient installation: The gate is positively guided by gate tongues located in grooves in the body which, together with the nylon bush guiding the spindle in the upper housing, permits installation of the valve in vertical, horizontal and inclined piping.

No reduction gearing needed: Due to the low sealing and gland friction torque, all valves in this series can be operated against a full differential pressure of 1/6MPa without the use of reduction gearing.

No pockets: The smooth straight-through body passage reduces head loss to little more than that of a straight pipe of the same length and diameter. There are no recesses in the body where solids can lodge, and gate sealing flanges are unaffected by solids in suspension.

Interchange ability: Supplied to SABS 664 dimensions, the valves are completely interchangeable in the pipeline with wedge gate valves of the same size. Flanged, spigot and socket end body configurations permit use of the valve with steel, asbestos cement and uPVC piping.

Minimal maintenance: The valve gate and spindle seal assembly can be changed in less than five minutes without removing the valve from the pipeline.

Chemical resistant: The stainless steel spindle is impervious to chemical attack from chemicals used in water treatment.

Lining: Simple, clean lines of the internal body configuration.

RESILIENT SEAL GATE VALVES

MANUAL OPERATION

The table below indicates the differential pressure in kPa against which Right valves can be closed using standard mechanisms. The figures are based on the application by one man exerting an effort of 200 Newton's simultaneously with each hand on the rim of a standard hand wheel. In all cases spindle threads are single-start 12.7mm pitch. For waterworks service, Right valves can be operated up to the full differential pressure of 1.6MPa using a standard Tee key without reduction gearing.

DIFFERENTIAL kPa

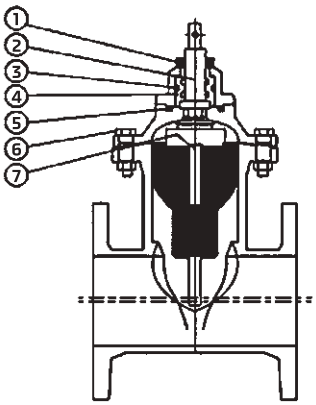
VALVE SIZE (mm)	50	80	100	150	200	250	300
kPa	1 600	1 600	1 600	1 520	750	585	585

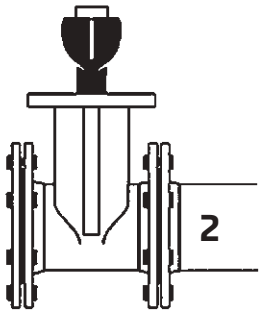
ELECTRIC OPERATION

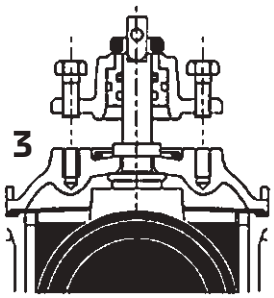
The table below indicates the torque required in Newton meters to overcome the full differential pressure of 1.6MPa across the valve.

TORQUE N.m

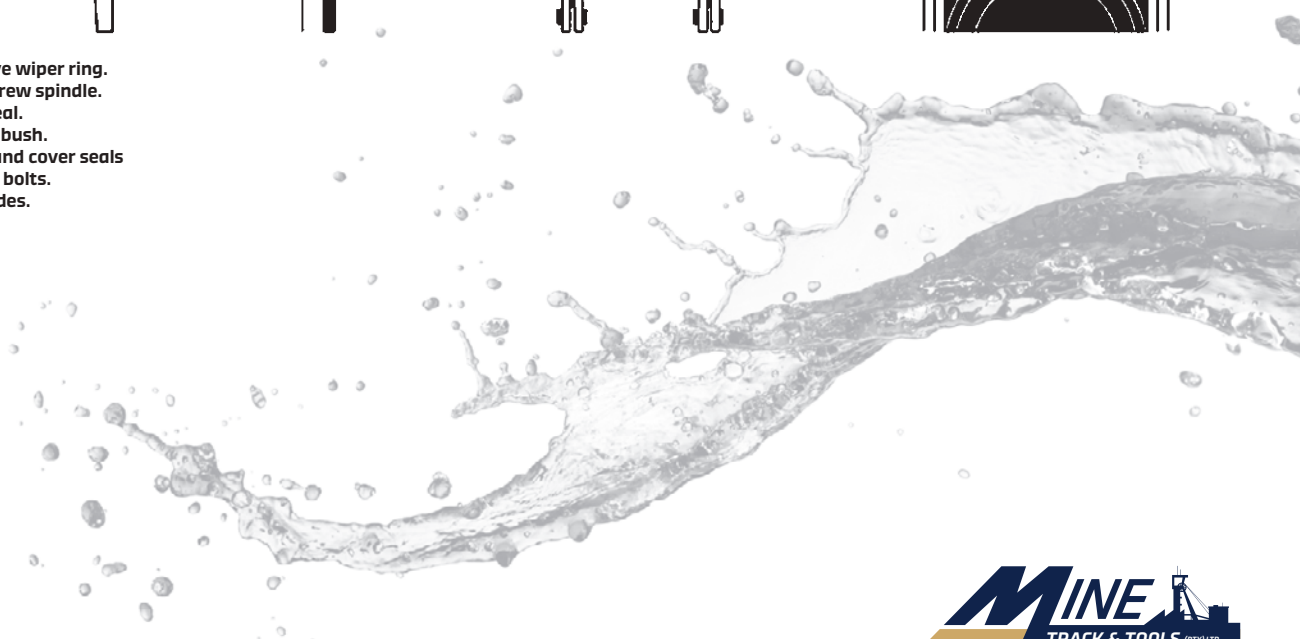
VALVE SIZE (mm)	50	80	100	150	200	250	300
N.m	50	50	60	80	200	250	250







1. Protective wiper ring.
2. Inside screw spindle.
3. O-ring seal.
4. Housing bush.
5. Bonnet and cover seals
6. Through bolts.
7. Gate guides.



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MINE TRACK & TOOLS (PTY) LTD.
MINDS OF STEEL WITH HEARTS OF GOLD

RUBBER DIAPHRAGM PRODUCTS

HAND BUILT RUBBER HOSES

Specialized rubber hoses are produced under fully controlled works procedures to maintain a high quality product. Our custom made hoses are manufactured according to high standards and specifications.

General Purpose Hoses
Delivery only, no suction (Soft wall compound)
Delivery and suction (Hard wall compound)

General Use
Mining applications
Industrial applications

SPECIFIC REQUIREMENTS

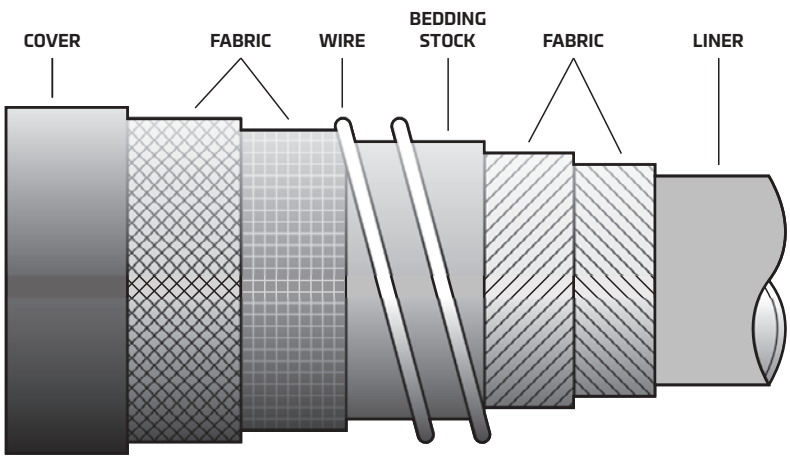
- Expansion Bellows
- Reducers
- Air Bags
- T-Y Sections

ABRASION RESISTANCE HOSES

- Abrasion Resistance Hoses
- Manufactured with gum stock liner
- Design to handle abrasive slurrie's
- Power materials like cement
- Very corrosive efficient
- Absorbs harmful vibrations thereby reducing metal fatigue in adjacent plant equipment

SPECIFICATIONS

Size Range: Normal Bore available between 25 - 1 000mm
Working Pressures: From 350 - 4 000 KPa
Component: Water, Air, Slurry's wet and dry, Gasses, Chemicals



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MINE TRACK & TOOLS (PTY) LTD.
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DIAPHRAGM AND SLEEVES

DIAPHRAGM MATERIALS

Q - Grade - Natural Rubber
B - Grade - Butyle
C - Grade - Nitrile
HT - Grade - Neoprene
Viton Grade
EPDM
Hypalon
PTFE (A Type only)

OTHER PRODUCTS

- Clamp Rubbers
- Clack Rubbers
- Balls
- Renzie Reflux Rubbers
- Dorco no. 4 & 6
- Suspension Rubbers for cars and locomotives

DIAPHRAGM SIZES

KB (Straight Through Diaphragm)	A (Weir Type Diaphragm)	WM
25	25	25
32	32	-
50	50	50
65	65	-
80	80	80
100	100	100
150	150	150
200	200	200
250	250	250
300	300	300
350	350	350
-	-	400

We manufacture a wide variety of diaphragms and sleeves for various applications for valves and in various materials.

New Products can be manufactured to client's specifications from drawings or samples.

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MINE TRACK & TOOLS (PTY) LTD.
MINDS OF STEEL WITH HEARTS OF GOLD

LOCOMOTIVE MANUFACTURING

LOCOMOTIVE MANUFACTURING

Mine Track & Tool is established as a heavy and light mining machinery manufacturing and repair enterprise and has maintained a proud record in this very competitive market.

The professional management of Mine track & Tool are geared to encourage their highly motivated and skilled employees to realize their full potential, ensuring ultimate customer service and quality product.

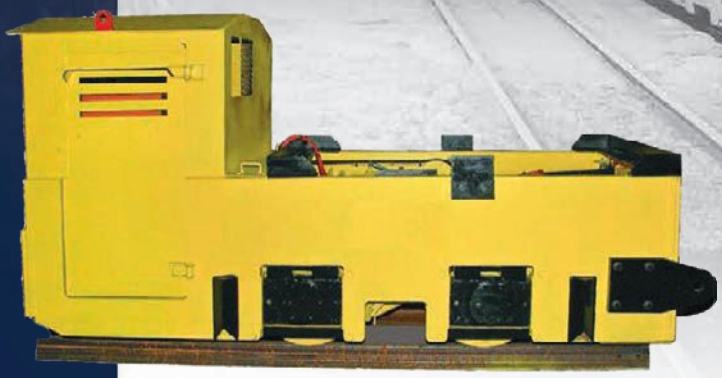
Mine Track & Tool is a leader in the supply of cost effective and quality products. To enhance productivity, by offering mechanical and engineering support through high calibre design skills and analysing potential problems identified and elimination thereof in early stages by ensuring suitable application.

Our Company has a stable workforce with all employees having over 15 years history with our various businesses.

Mine Track & Tool product design, manufacturing and maintenance support needs no introduction. Our track record speaks for itself.

We can proudly say that we have supplied ± 200 locomotives into the mining industry ranging from:

- 5, 8, 10 and 11 ton battery locomotives
- 12, 15 and 18 ton trolley line locomotives



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MINE TRACK & TOOLS (PTY) LTD.
MINDS OF STEEL WITH HEARTS OF GOLD

LOCOMOTIVE MANUFACTURING

RECENT PROJECT COMPLETED INCLUDE

- 6 x 6 ton locomotives for Gold 1
- 15 x 11 ton locomotives for Northam Platinum
- The manufacture and supply of 2 x 6 ton battery locomotives to Impala Platinum limited
- The manufacture and supply of 1 x 10 ton battery locomotive to RPM Turfontein shaft as well as the supply of 10 x 75A motors c/w wheels to RPM Boschfontein
- The manufacture and supply of 4 x 10 ton short design battery locomotives to Hernic Ferrochrome
- The manufacture and design of 40 x 10 ton short design battery locomotives to Messina Platinum Mine
- The manufacture and supply of 20 x 10 ton short design battery locomotives to Kloof Gold Mine
- The manufacture and supply of 16 x 5 ton battery locomotives to Lebowa Platinum Mine

To name but a few.

ADVANTAGES

Mine Track & Tool is a TCO (Total Cost Of Ownership) Company with an open book policy which focuses on the following:

- Continuous new designs
- Higher efficiencies that result in cost savings to our customers
- Based on the superior range of products, customer service and innovative ideas, **Mine Track & Tool** pride themselves to be the acknowledged leaders in their field and the efficiency and reliability of the **Mine Track & Tool** product range, keeps us one step ahead of our competitors
- All work is passed by quality control as required by SABS, and any on site assistance is rendered by our staff when required. A general warranty on workmanship is guaranteed

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