

LINATEX

RUBBER-LINED WEDGE GATE VALVE



A SLURRY VALVE FOR BOTH SUCTION AND PRESSURE SERVICE

LINATEX WEDGE VALVE

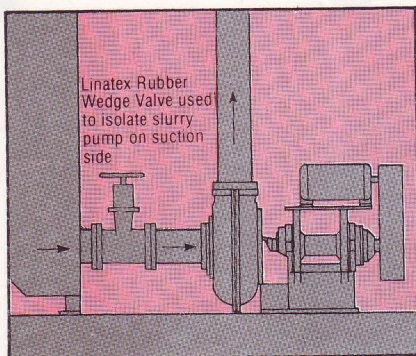
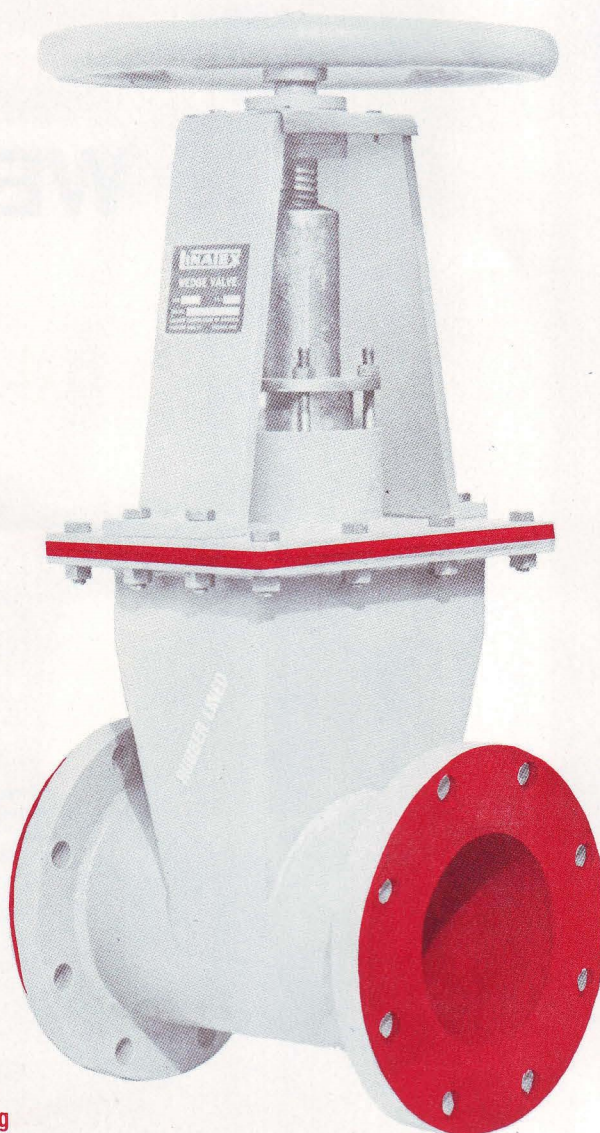
construction details

The LINATEX WEDGE VALVE is a heavy duty, rubber (LINATEX) lined wedge type gate valve ideally suited for flow control of abrasive slurries. Available in sizes 3" - 24" (76 mm - 610 mm) this valve can be used for both suction and pressure applications. The LINATEX WEDGE VALVE is ruggedly constructed for much longer and dependable wear life than metal valves and closes tightly around particles preventing troublesome leaks. The valve body is fabricated from heavy wall pipe with a strong welded upper bonnet. The inner flow passage is completely lined with thick LINATEX . . . recognized worldwide as the most abrasive resistant of all elastomers. The thick Linatex covered wedge type gate is carried by a precision threaded spindle which is rotated by movement of a hand wheel or by mechanical, pneumatic, hydraulic or electrical means. The spindle travels through a sealed, lubricated housing.

applications

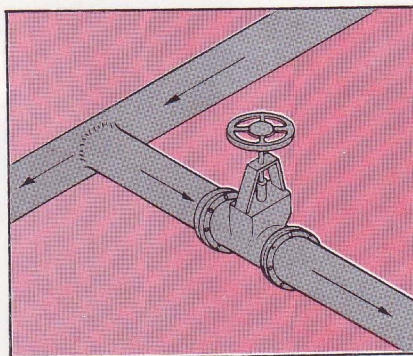
The LINATEX WEDGE VALVE has a large number of useful applications where abrasive slurries are being handled. Some of these are listed below:

- Iron ore processing
- Coal processing
- Phosphate beneficiation
- Copper ore processing
- Abrasives manufacturing
- Sand plants
- Ocean mining
- Tailings lines
- Heavy mineral processing
- Power plant flyash handling



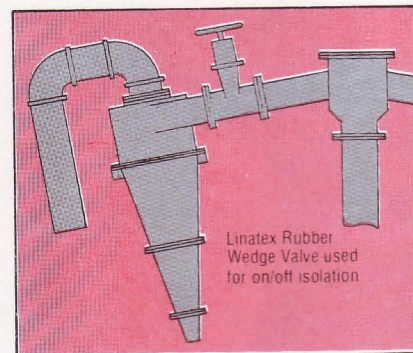
ISOLATING VALVE AT SUCTION SIDE OF SLURRY PUMP

The LINATEX WEDGE VALVE is the best known valve for this service. Rubber pinch valves cannot be used because they will collapse under suction forces. Metallic gate or other valves will not stand up to abrasive wear.



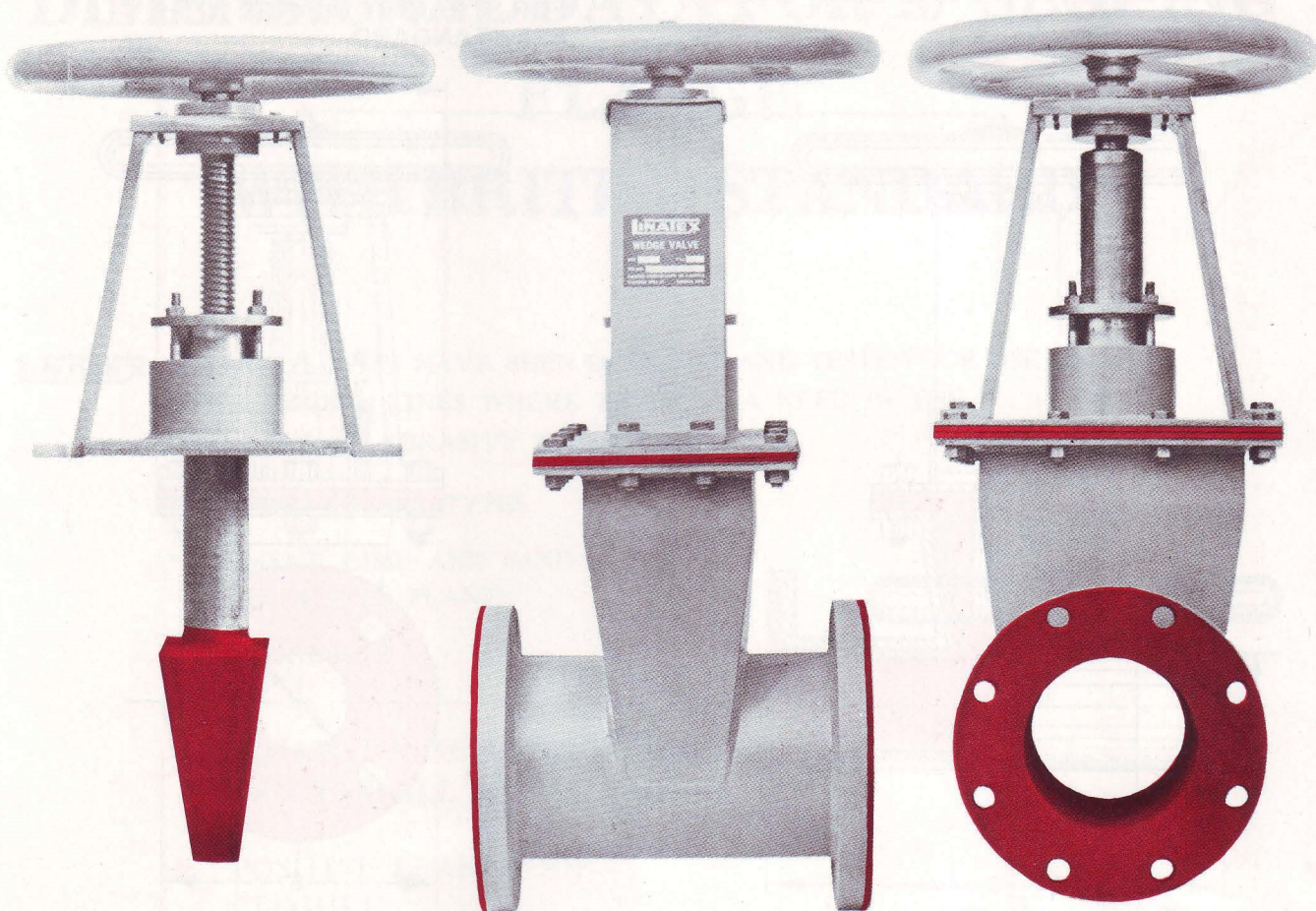
DIVERTER VALVES IN TAILINGS LINES

An economical positive closure valve for multi-branch mine tailings disposal systems.



ON-OFF CONTROL OF PROCESS EQUIPMENT

There are a wide variety of uses for the LINATEX WEDGE VALVE in process control. A typical hydrocyclone feed manifold installation is illustrated above.

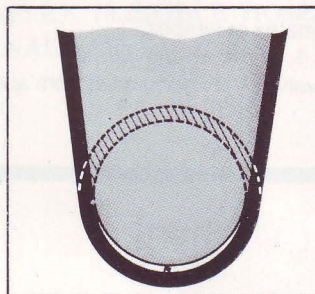
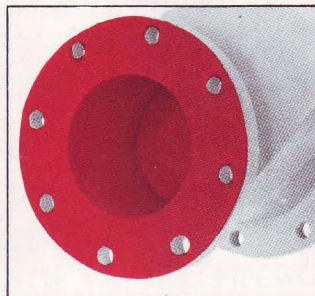


user advantages/design benefits

Closes "Drip Tight" on solid particles

The wide, resilient Linatex rubber covered wedge gate seats against the resilient Linatex lining of the valve body giving excellent closure. Solid particles that are trapped in the contact zone are encapsulated by the interfacing soft rubber surfaces, ensuring leak free closure.

Conventional metallic gate, disc and butterfly valves are prone to leakage resulting from imperfect seating of the metal gate element. Unyielding particle is caught between two unyielding metal or other hard composite surfaces, preventing complete closure.

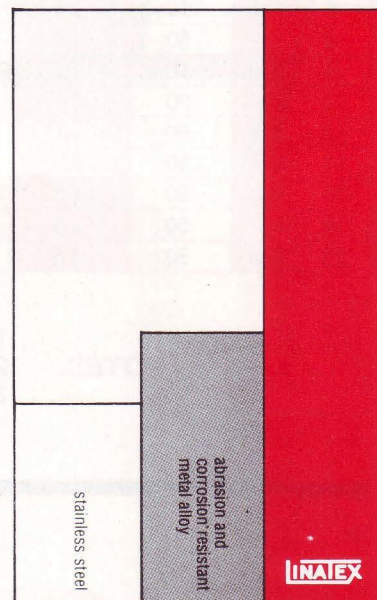


Outwears *metallic* wedge gate and butterfly valves

The Linatex rubber lined wedge gate valve provides significantly longer wear life than can be obtained from metal alloy valves. It is a well recognized fact that rubber in wet slurry service, commonly outlasts even the most abrasion resistant metals and other hard composites by a life factor of 2:1 to 10:1. LINATEX is the best available rubber lining of any. It provides outstanding protection against both abrasion and corrosion.

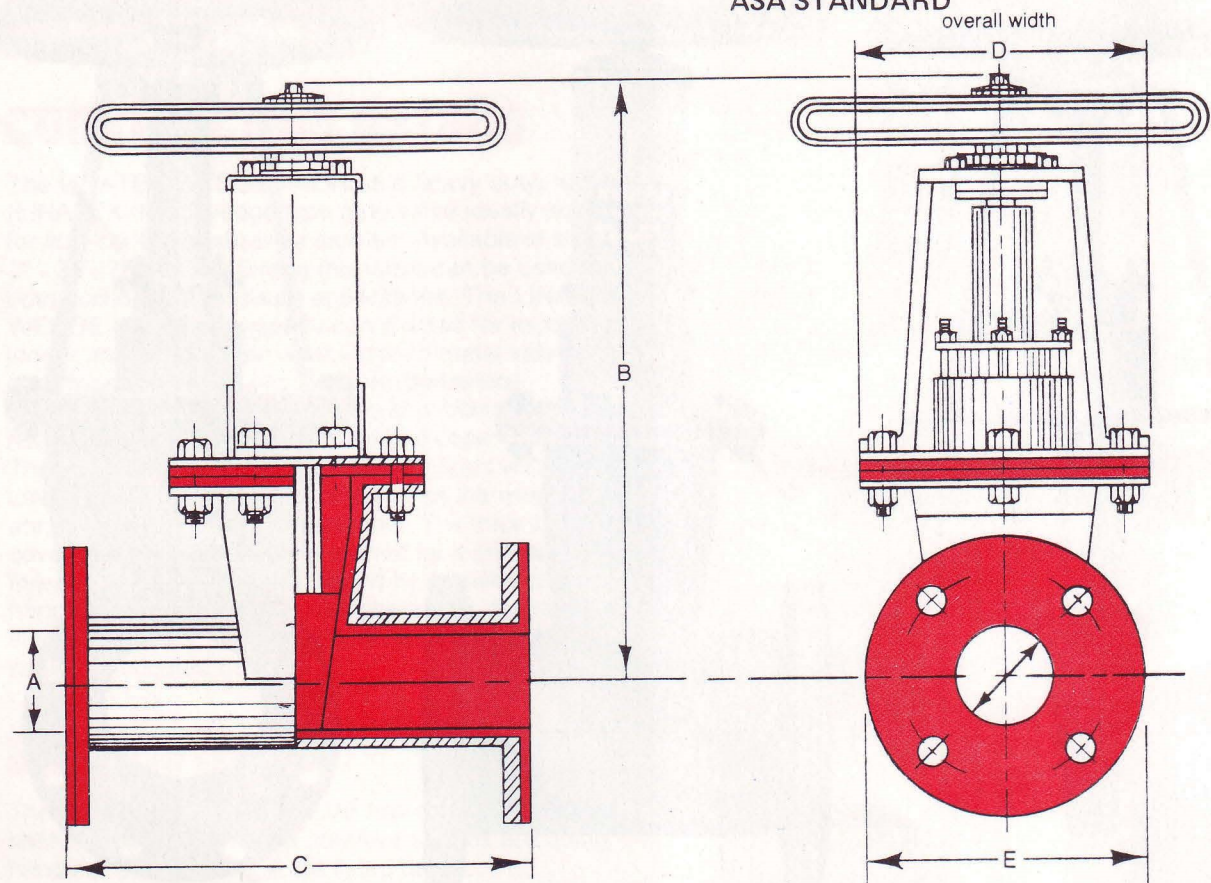
RELATIVE WEAR LIFE
(Based Upon Test Data)

LINATEX



LINATEX WEDGE VALVE

• DIMENSIONAL DATA
FOR STRAIGHT FLANGE WITH
ASA STANDARD



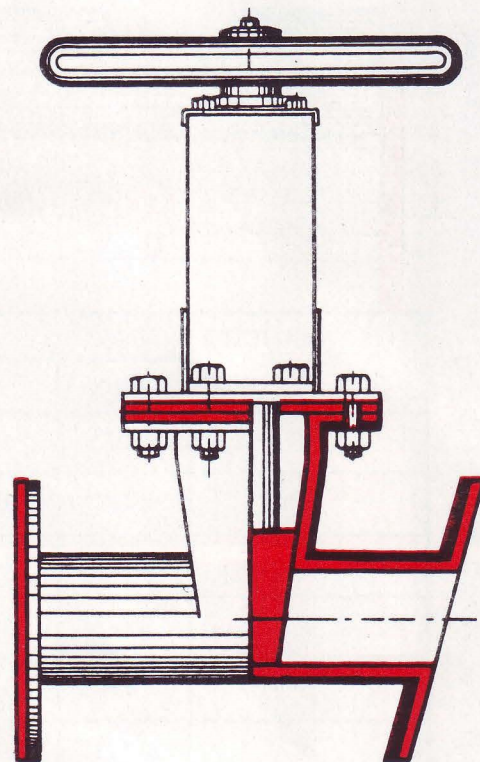
VALVE I.D. (Dim. A)		PRESSURE RATING		LINATEX LINING THICKNESS		APPROX. NET WT.		DIMENSIONS							
								B		C		D		E	
in.	mm	P.S.I.	Kg/cm ²	in.	mm	lbs.	kg.	in.	mm	in.	mm	in.	mm	in.	mm
3	76	50	3.5	3/8"	9.5	38	17	15 1/4	387	11	279	9	229	7 1/2	191
4	102	50	3.5	1/2"	12.7	48	22	17 1/2	438	12	305	11	279	9	229
5	127	50	3.5	1/2"	12.7	64	29	19	483	13	330	11	279	10	254
6	152	50	3.5	1/2"	12.7	120	55	26 5/16	670	14	356	15	381	11	279
8	203	50	3.5	1/2"	12.7	180	82	30 13/16	782	16	406	15	381	13 1/2	343
10	254	50	3.5	1/2"	12.7	270	123	37 3/16	945	18	457	18 1/4	463	16	406
12	305	50	3.5	1/2"	12.7	350	159	43 13/16	1112	20	508	21	533	19	483
14	356	50	3.5	1/2"	12.7	550	250	48	1219	24	610	24 1/2	626	21	533
16	406	50	3.5	1/2"	12.7	760	345	55	1397	25	635	26 1/2	673	23 1/2	597
18	457	50	3.5	1/2"	12.7	1250	568	72	1829	34 1/2	902	29	737	25	635
20	508	50	3.5	1/2"	12.7	1600	727	73 1/4	1860	36 1/2	927	31	787	27 1/2	699

- NOTES:**
1. 1/8" (3.18mm) on 1/4" (6.35mm) Linatex or flanges.
 2. Flange drilling to suit ANSI B.16.1, or metric standards.
 3. 18" (457mm) and 20" (508mm) valves vary somewhat from above illustration.

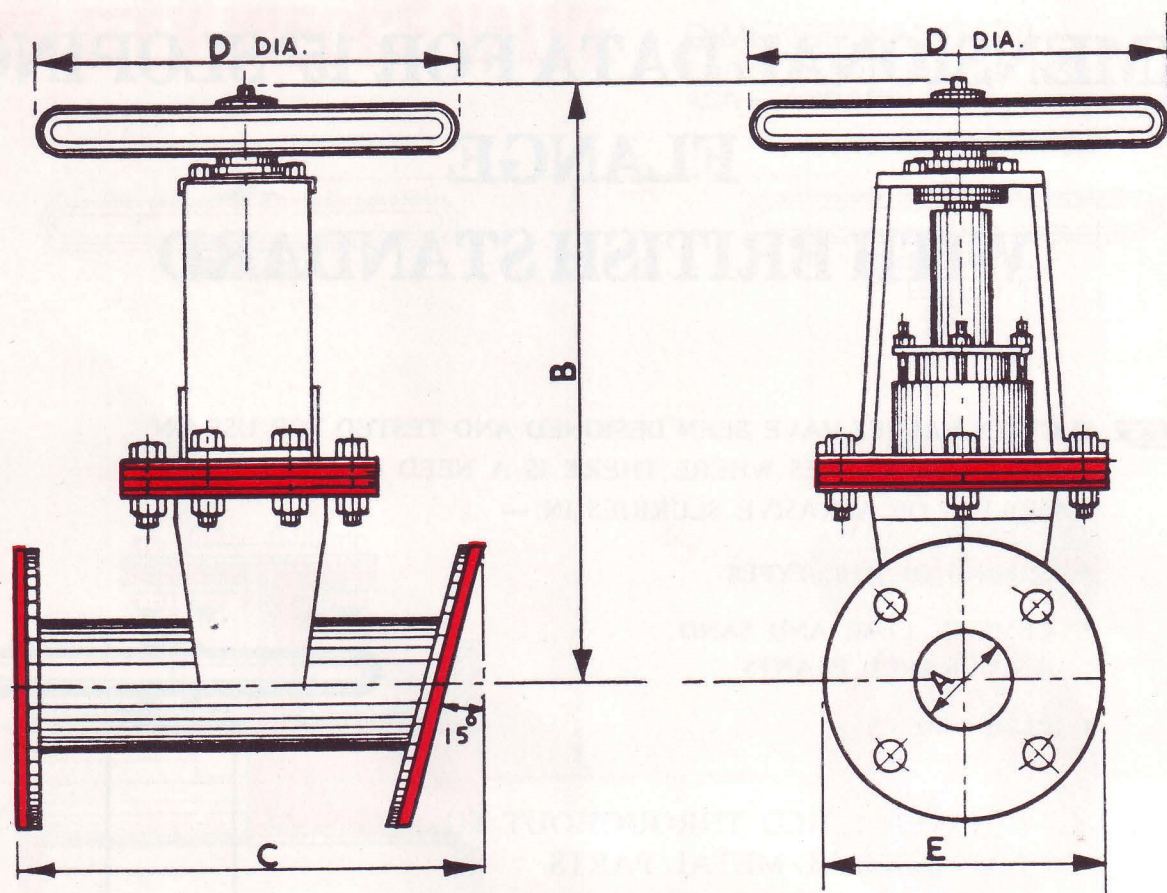
DIMENSIONAL DATA FOR 15° SLOPING FLANGE WITH BRITISH STANDARD

LINATEX SUCTION VALVES HAVE BEEN DESIGNED AND TESTED FOR USE ON PUMP SUCTION LINES WHERE THERE IS A NEED IN THE HANDLING OF ABRASIVE SLURRIES IN: —

- * MINING OF ALL TYPES
- * CEMENT, LIME AND SAND AND GRAVEL PLANTS
- * PAPER MILLS
- ★ LINATEX LINED THROUGHOUT TO PROTECT ALL METAL PARTS
- ★ POSITIVE LEAKPROOF CLOSURE
- ★ ANGLED FLANGE TO MAKE FOR EASE OF FITTING.
- ★ LINATEX INTEGRAL FLANGE REQUIRES NO PIPE JOINT



LINATEX SUCTION VALVES ARE LINED THROUGHOUT WITH LINATEX LININGS WHICH GIVE THE LINATEX PUMPS, PINCH VALVES, PIPEWORK, HYDROCYCLONES, AND LINFLEX FLEXIBLE HOSES THEIR PHENOMENAL LIFE.



VALVE DIAMETER. A	B	C	D	E	No. OF HOLES	P. C. D.	DIA. OF HOLES
1½"	10"	8"	6"	5¼"	4	3.7/8"	9/16"
2"	12¼"	10"	9"	6"	4	4½"	11/16"
3"	15¼"	11"	9"	7¼"	4	5¼"	11/16"
4"	17½"	12"	11"	8½"	4	7"	11/16"
5"	19"	13"	11"	10"	8	8¼"	11/16"
6"	26.5/16"	14"	15"	11"	8	9¼"	11/16"
8"	30.13/16"	16"	15"	13¼"	8	11½"	11/16"
10"	37.3/16"	18"	17"	16"	8	14"	13/16"
12"	43.13/16"	20"	17"	18"	12	16"	13/16"

A LINATEX VALVE DESIGNED TO PERFORM THE COMPLICATED REQUIREMENTS OF MINING FIELDS

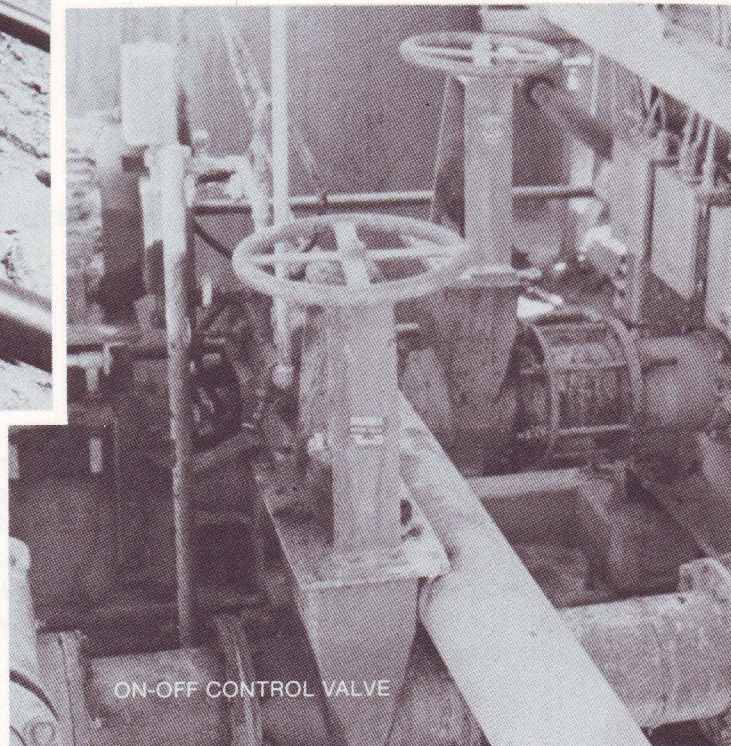
MANUFACTURED TO ALLOW FOR INTERCHANGEABILITY OF ALL PARTS HENCE MAKING FOR EASE OF REPLACEMENT OF ANY WORN OR DAMAGED COMPONENTS



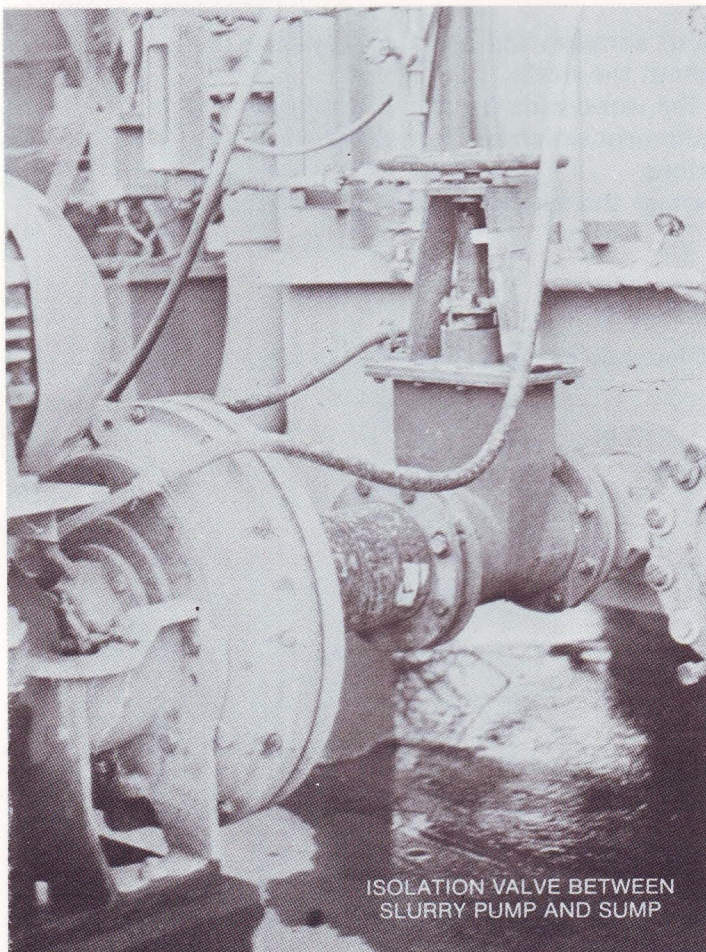
TAILINGS LINE SERVICE

LINATEX

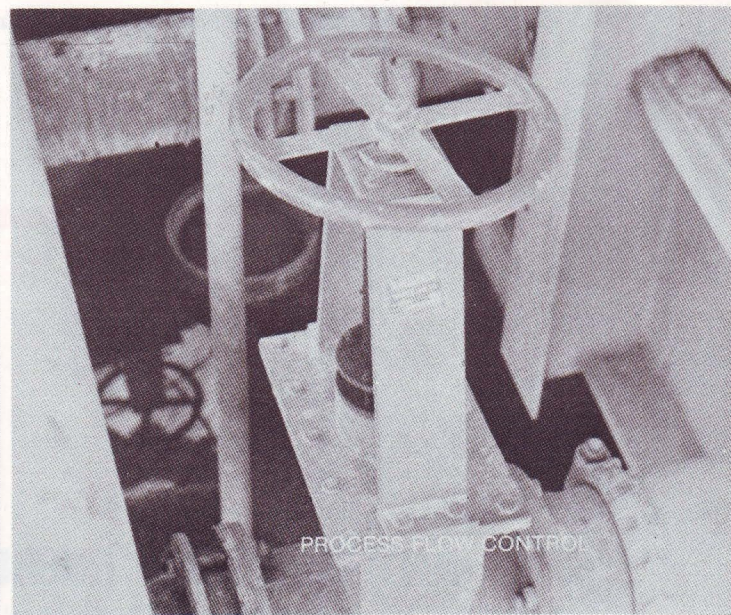
RUBBER-LINED WEDGE GATE VALVE



ON-OFF CONTROL VALVE



ISOLATION VALVE BETWEEN
SLURRY PUMP AND SUMP



PROCESS FLOW CONTROL

ARTISAN FORMAS
INDUSTRIAS S.A.
SOLICITUD 1975



Also manufacture

Linatex Valves
Vibration dampers
Diaphragm Pumps
Linatex abrasion and corrosion resistant linings
Linatex lined centrifugal pumps
Effluent Treatment Plant

Linatex Flexible Hoses
Sand Treatment Plant
Sizing and de-watering screens
Linatex Ball Mills
Linatex Hydrocyclones
Linafuge (centrifuge)

For 50 years Linatex have pioneered the use of abrasion and corrosion resistant rubber in Mining, Quarrying and Industrial plant throughout the world. Technical interchange between members of the world-wide Linatex organisation brings to every user the unique opportunity to buy equipment which has been designed and tested in world markets to meet exacting service conditions. All Linatex products utilise to the best advantage the special abrasion and corrosion resistant properties of Linatex rubber.

Descriptive Booklets and Leaflets are available for all the above products. Please write for any in which you may be interested.



ANTI-ABRASION RUBBER PRODUCTS SDN. BHD.

LOT 5, JALAN PERUSAHAAN EMPAT, 68100 BATU CAVES,
SELANGOR, MALAYSIA.
TEL: 6265368, 6273327
TELEX: SEAPI MA 32356