



*We commit, We Deliver.*

PRODUCTS CATALOGUE

CONTACT: ROTHE SINGO 0783556922



We commit, We Deliver.

## ABOUT US

### VADER R HOLDINGS (PTY) LTD

FOCUSES PRIMARILY ON THE MAINTENANCE, REPAIRS AND SUPPLY OF HIGH-QUALITY SLURRY PUMPS, VALVES, MOTORS, AGITATORS, AND SLURRY PUMP PARTS. OUR PUMPS ARE DESIGNED FOR THE HARSHEST ABRASIVE AND CORROSIVE PUMPING ENVIRONMENTS.



VRH-AH Range, Overview the heavy-duty AH Range pumps are designed for conveying strongly abrasive slurries. This range of pumps are mainly used in mining, electric power, metallurgy, coal, environmental protection and other industries to convey slurries containing strong abrasive solid particles.

Typical Applications Flotation process in metal processing plant: regrinding, flotation, Tailings long-distance, Transport Cyclone Feeding, Wet Crushers, (Ball) Mill Discharge, Coarse sand and Mineral Processing Coal benefaction



Key Features Double pump casing construction with interchangeable rubber and metal lined design. provides ease of maintenance and minimal downtime. Bolt-connection design pump casing achieves easy disassembly and maintenance with lower cost. Wear resistant and corrosion materials were proved to extend the wear life with lower cost. Diverse selections of shaft seals tailored to each specific application Expeller Seal.

## PRODUCT LIST:

### **SLURRY PUMPS**



- HORIZONTAL SLURRY PUMP



- VERTICAL SLURRY PUMP



- SUBMERSIBLE SLURRY PUMP

## SLURRY PUMPS PARTS

METAL • RUBBER • POLYURETHANE

### RUBBER COVER PLATE LINER

#### PART NO.

COVER PLATE LINER, 2/3 C2017-R55

COVER PLATE LINER, 3/4 D3017-R55

COVER PLATE LINER, 4/6 E4018-R55

COVER PLATE LINER, 6/8 F6018M-R55

COVER PLATE LINER, 8/10 G8018M-R55

WE HAVE VARIOUS KINDS OF RUBBER PARTS, INCLUDE THE NATURAL RUBBER, SYNTHETIC RUBBER SUCH AS NITRILE, NEOPRENE, BUTYL, HYPALON, EPDM, ETC, WHICH CAN BE USED IN EROSION, CORROSIVE, ABRASIVE APPLICATIONS. SOME OF THEM CAN BE USED IN HIGH TEMPERATURE ALSO.

### RUBBER FRAME PLATE LINER

#### PART NO.

FRAME PLATE LINER, 2/3, C2036M-R55

FRAME PLATE LINER, 3/4, D3036-R55

FRAME PLATE LINER, 4/6, E4036-R55

FRAME PLATE LINER, 6/8, F6036M-R55

FRAME PLATE LINER 8/10, F8036M-R55

WE HAVE VARIOUS KINDS OF RUBBER PARTS, INCLUDE THE NATURAL RUBBER, SYNTHETIC RUBBER SUCH AS NITRILE, NEOPRENE, BUTYL, HYPALON, EPDM, ETC, WHICH CAN BE USED IN EROSION, CORROSIVE, ABRASIVE APPLICATIONS. SOME OF THEM CAN BE USED IN HIGH TEMPERATURE ALSO.

## RUBBER IMPELLER



### PART NO.

- IMPELLER, 2/3 C2147-R55
- IMPELLER, 3/4, D3147-R55
- IMPELLER, 4/6, E4147-R55
- IMPELLER, 6/8, F6147-R55
- IMPELLER, 8/10 FAM8147-R55
- IMPELLER 8/10 G8147-R55
- IMPELLER 10/12 G10147-R55

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## RUBBER THROATBUSH



### PART NO.

- THROAT BUSH, 4/6, E4083-R55
- THROAT BUSH, 6/8 F6083-R55
- THROAT BUSH , 8/10 F8083-R55
- THROAT BUSH, 8/10 G8083M-R55

WE HAVE VARIOUS KINDS OF RUBBER PARTS, INCLUDE THE NATURAL RUBBER, SYNTHETIC RUBBER SUCH AS NITRILE, NEOPRENE, BUTYL, HYPALON, EPDM, ETC, WHICH CAN BE USED IN EROSION, CORROSIVE, ABRASIVE APPLICATIONS. SOME OF THEM CAN BE USED IN HIGH TEMPERATURE ALSO.

## CHROME IMPELLER



### PART NO.

IMPELLER (27% CHROME), 3/2 C2147-A05

IMPELLER (27% CHROME), 4/3 D3147-A05

IMPELLER (27% CHROME), 6/4 E4147-A05

IMPELLER (27% CHROME), 8/6 F6147-A05

IMPELLER (27% CHROME), 10/8 F8147-A05

CAST HIGH CHROME ALLOY, INCLUDING 27% CHROME, IT PROVIDES A GENERAL-PURPOSE EROSION/ABRASION RESISTANT WET-END MATERIAL. THE DIFFERENT CONTENT OF ALLOY ELEMENT, WHICH MAKES THE HIGH CHROME PARTS SUITABLE FOR HIGH WEAR OR CORROSIVE APPLICATION.

## CHROME THROATBUSH



### PART NO.

THROAT BUSH (27% CHROME), 6/4 E4083M-A05

THROAT BUSH (27% CHROME), 8/6 F6083-A05A

THROAT BUSH (27% CHROME), 10/8 F8083M-A05

THROAT BUSH (27% CHROME), 10/8 G8083M-A05

THROAT BUSH (27% CHROME), 12/10 F10083M-A05

THROAT BUSH (27% CHROME), 12/10 G10083M-A05

CAST HIGH CHROME ALLOY, INCLUDING 27% CHROME IT PROVIDES A GENERAL-PURPOSE EROSION/ABRASION RESISTANT WET-END MATERIAL. THE DIFFERENT CONTENT OF ALLOY ELEMENT, WHICH MAKES THE HIGH CHROME PARTS SUITABLE FOR HIGH WEAR OR CORROSIVE APPLICATION.

## CHROME FRAME PLATE LINER INSERT



### PART NO.

FRAME PLATE LINER INSERT (27% CHROME), 3/2 C2041-A05

FRAME PLATE LINER INSERT (27% CHROME), 4/3 D3041-A05

FRAME PLATE LINER INSERT (27% CHROME), 6/4 E4041M-A05

FRAME PLATE LINER INSERT (27% CHROME), 8/6 F6041M-A05

CAST HIGH CHROME ALLOY, INCLUDING CR27, IT PROVIDES A GENERAL PURPOSE EROSION/ABRASION RESISTANT WET-END MATERIAL.

THE DIFFERENT CONTENT OF ALLOY ELEMENT, WHICH MAKES THE HIGH CHROME PARTS SUITABLE FOR HIGH WEAR OR CORROSIVE APPLICATION

## CHROME VOLUTE



### PART NO.

VOLUTE (27% CHROME), 3/2 C2110-A05

VOLUTE (27% CHROME), 4/3 D3110-A05

VOLUTE (27% CHROME), 6/4 E4110-A05

VOLUTE (27% CHROME), 8/6 F6110-A05

CAST HIGH CHROME ALLOY, INCLUDING 27% CHROME, IT PROVIDES A GENERAL-PURPOSE EROSION/ABRASION RESISTANT WET-END MATERIAL. THE DIFFERENT CONTENT OF ALLOY ELEMENT, WHICH MAKES THE HIGH CHROME PARTS SUITABLE FOR HIGH WEAR OR CORROSIVE APPLICATION.

## CHROME EXPELLER RING

### PART NO.



EXPELLER RING (27% CHROME), 3/2 C029-A05  
EXPELLER RING (27% CHROME), 4/3 CAM029-A05  
EXPELLER RING (27% CHROME), 4/3 D029-A05  
EXPELLER RING (27% CHROME), 6/4 DAM029-A05  
EXPELLER RING (27% CHROME), 6/4 E029-A05  
EXPELLER RING (27% CHROME), 8/6 EAM029-A05  
EXPELLER RING (27% CHROME), 8/6 F029-A05

CAST HIGH CHROME ALLOY, INCLUDING 27% CHROME, IT PROVIDES A GENERAL PURPOSE EROSION/ABRASION RESISTANT WET-END MATERIAL. THE DIFFERENT CONTENT OF ALLOY ELEMENT, WHICH MAKES THE HIGH CHROME PARTS SUITABLE FOR HIGH WEAR OR CORROSIVE APPLICATION.

## CHROME EXPELLER

### PART NO.



EXPELLER (27% CHROME), 3/2 C028-A05  
EXPELLER (27% CHROME), 4/3 CAM028-A05  
EXPELLER (27% CHROME), 4/3 D028-A05  
EXPELLER (27% CHROME), 6/4 DAM028-A05  
EXPELLER (27% CHROME), 6/4 E028-A05  
EXPELLER (27% CHROME), 8/6 EAM028-A05

CAST HIGH CHROME ALLOY, INCLUDING CR27, IT PROVIDES A GENERAL PURPOSE EROSION/ABRASION RESISTANT WET-END MATERIAL. THE DIFFERENT CONTENT OF ALLOY ELEMENT, WHICH MAKES THE HIGH CHROME PARTS SUITABLE FOR HIGH WEAR OR CORROSIVE APPLICATION.

## COVER PLATE



### PART NO.

COVER PLATE (DI20 ), 3/2 C2013-D20

COVER PLATE (DI20 ), 4/3 D3013-D20

COVER PLATE (DI20 ), 6/4 E4013-D20

COVER PLATE (DI20 ), 8/6 F6013-D20

CAST IRON IS A DUCTILE GRADE OF GREY IRON. IT IS USED WHERE HIGHER PHYSICAL PROPERTIES AND BETTER SHOCK RESISTANCE ARE REQUIRED THAN THAT WHICH GREY CAST IRON PROVIDES.

THE CAST IRON HAS VERY LOW ABRASION/EROSION RESISTANCE. IT CAN BE USED IN NON-ACIDIC APPLICATION ONLY

## FRAME PLATE



### PART NO.

FRAME PLATE (DI20 ), 3/2 C2032-D20

FRAME PLATE (DI20 ), 4/3 D3032-D20

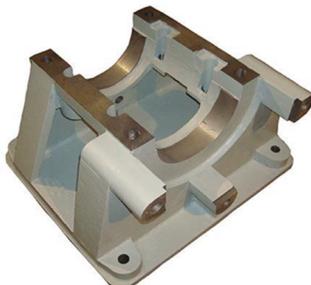
FRAME PLATE (DI20 ), 6/4 E4032-D20

FRAME PLATE (DI20 ), 8/6 F6032-D20

CAST IRON IS A DUCTILE GRADE OF GREY IRON. IT IS USED WHERE HIGHER PHYSICAL PROPERTIES AND BETTER SHOCK RESISTANCE ARE REQUIRED THAN THAT WHICH GREY CAST IRON PROVIDES.

THE CAST IRON HAS VERY LOW ABRASION/EROSION RESISTANCE. IT CAN BE USED IN NON-ACIDIC APPLICATION ONLY

## PUMP BASE / PEDESTA



### PART NO.

- BASE (CAST IRON), 3/2 C003-G01
- BASE (CAST IRON), 4/3 D003-G01
- BASE (CAST IRON), 6/4 E003-G01
- BASE (CAST IRON), 8/6 F003-G01

CAST IRON IS A DUCTILE GRADE OF GREY IRON. IT IS USED WHERE HIGHER PHYSICAL PROPERTIES AND BETTER SHOCK RESISTANCE ARE REQUIRED THAN THAT WHICH GREY CAST IRON PROVIDES. THE CAST IRON HAS VERY LOW ABRASION/EROSION RESISTANCE. IT CAN BE USED IN NON-ACIDIC APPLICATION ONLY. CAST IRON IS A LOW COST EASY TO CAST AND MACHINE IRON, IT HAS EXCELLENT DAMPENING PROPERTIES MAKING IT IDEAL FOR USE IN PUMP

## FROTH PUMP

AHF • LF • MF



### DESIGN FEATURES

- HEAVY DUTY CONSTRUCTION WITH THROUGH-BOLT DESIGN PROVIDES EASE OF MAINTENANCE AND LESS DOWN TIME.
- DUCTILE IRON FULLY LINED CASING PROVIDES DURABILITY, STRENGTH, SAFETY AND LONG SERVICE LIFE.
- LARGE DIAMETER, SLOW TURNING, HIGH EFFICIENCY IMPELLERS MAXIMIZE WEAR LIFE AND LOWER TOC.
- UNIQUE IMPELLER DESIGN FOR MOST DIFFICULT FROTH APPLICATION

### SPECIFICATIONS

<b>SIZE RANGE</b>	2" to 22' (50 to 550 mm)
<b>CAPACITIES TO</b>	8,000 m <sup>3</sup> /hr (35,000 gpm)
<b>HEADS TO</b>	65 m (213 ft)
<b>PRESURES TO</b>	305 psi (2,100 kPa)

## **WATER PUMP**

### **- HORIZONTAL WATER PUMP**



### **- SUBMERSIBLE WATER PUMP**

### **- DOUBLE SUCTION WATER PUMP**

ALSO AVAILABLE AMONGST THE WATER PUMPS

## VALVES

AVAILABLE SIZES FROM DN50 TO DN800.  
POLYURETHANE & RUBBER LINE.

### KNIFE GATE VALVE



DN50-200

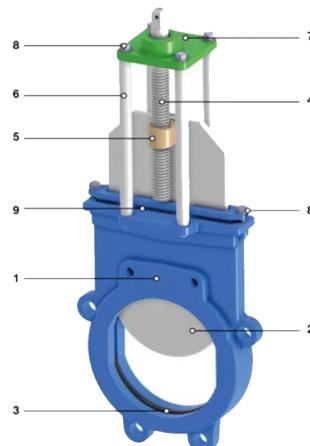


DN50-200

DN250-450

### KNIFE GATE VALVE 3600

1. BODY
2. PLATE
3. U-SHAPED SEAL
4. SPINDLE
5. COLUMNS
6. BEARING BLOCK
7. SCREWS AND FRICTION WASHER
8. SEAL

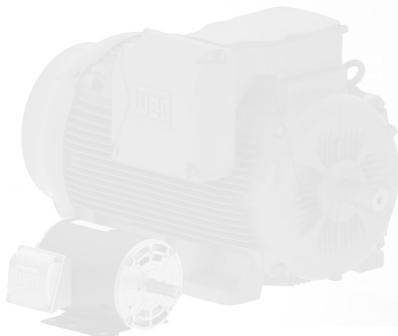




**DIAPHRAGM VALVE**



**DIAPHRAGM VALVE (VERTICAL VIEW)**

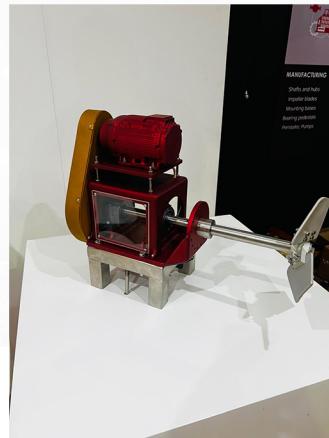
**AC MOTORS****ELECTRIC MOTORS****GEAR MOTORS**

**RUBBER BELOW****RUBBER BELOW****RUBBER BELOW (UPCLOSE VIEW)**

## VARIABLE SPEED DRIVES

### VARIABLE SPEED DRIVES



**AGITATOR****SHAFT BEARING  
ASSEMBLY**

## **SELF PRIMING DEWATERING PUMP**



## **END SUCTION PUMPS ECW**



### **TECHNICAL SPECIFICATION**

Power Range	:	3 HP to 40 HP
rpm Range	:	850 to 2150
Flow Range	:	16 m³/h to 147.5 m³/h
Head Range	:	6 m to 59 m
Max. Solid Size	:	28.57 mm
Impeller Dia	:	279.4 mm
Impeller Type	:	Multi channel semi open
Pump Size	:	4" x 4"

### **SELF PRIMING CAPACITY**

Speed in rpm	Suction Lift	
	m	feet
850	2.4	8
1150	3	10
1450	3.6	12

Speed in rpm	Suction Lift	
	m	feet
1750	3.9	13
1950	4.5	15
2150	5.2	17

## **SUBMERSIBLE DRAINAGE PUMPS**

## **ELECTRICAL COMPONENTS**

## **SOFT STARTER**

## **ENCLOSURE**

## **IDLERS**