



ALFA POMPE

ITALIAN PUMPS FOR HEAVY DUTY SOLUTION

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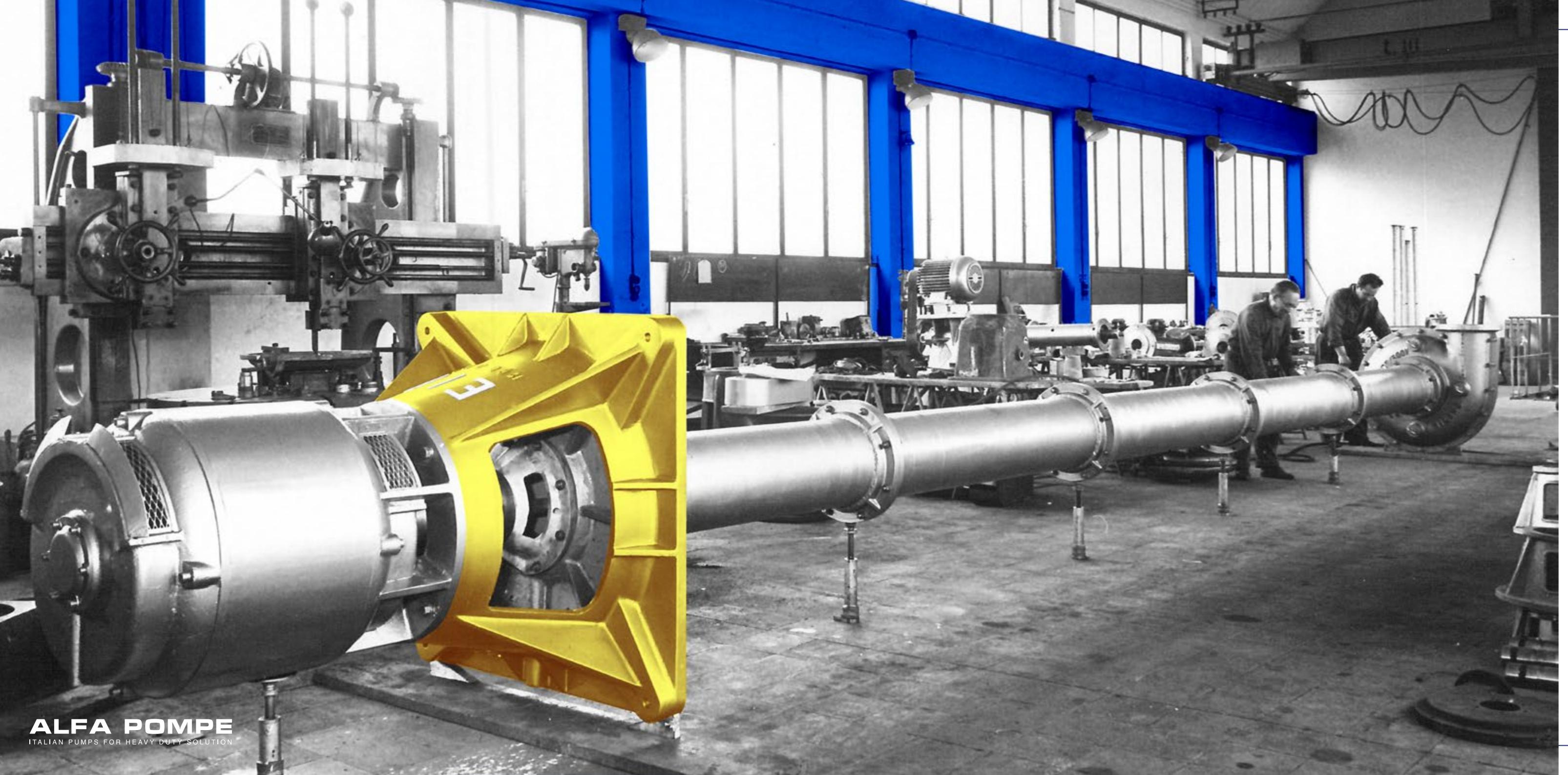


Pumps and Power Australia

PRODUCT CATALOGUE | EN

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ALFA POMPE
ITALIAN PUMPS FOR HEAVY DUTY SOLUTION

A STORY OF SUCCESS

After the end of the 'Second World War', Araldo Caprile's father founded the first company producing high-performance pumps under the name EIR.

In 1971, Araldo Caprile took over the reins of his father's company EIR, giving birth to ALFA POMPE. Alfa dedicated itself to the technical development and 100% Italian production of special rubber-coated pumps for medium and large companies working in the industrial and civil purification sectors all over the world, developing a 50-year-long experience.

After a difficult period due also to the global crisis in the early years of the new millennium, in 2020 Mete Industries decided to acquire Alfa Pompe in order to bring the brand back to global competitiveness and the splendour of the past.



1950



1971



2020



2021

ALFA POMPE
ITALIAN PUMPS FOR HEAVY DUTY SOLUTION
2024

THE COMPANY

Our Headquarters covers a total area, including workshops, offices and outdoor area, of **18000 m²** and was completely renovated in 2021, with new office space and new administrative offices. We have reinforced the staff in the offices and workshops to meet the ever-increasing demands of new and old customers, in order to provide a fast and complete all-round service.



1 - PUMP ASSEMBLY
WORKSHOP



2 - ADMINISTRATIVE
AND COMMERCIAL
OFFICES



3 - MACHINE
WORKING
DEPARTMENT



4 - OPERATION
OFFICES



5 - WAREHOUSING
AND SHIPPING





ALFA POMPE
ITALIAN PUMPS FOR HEAVY DUTY SOLUTION

WHY CHOOSE US

Alfa is continuously developing new solutions for even the most demanding industries, such as mining, aggregate quarries, concrete mixing plants, ceramics, marble and granite processing and many others.

The performance is developed to meet any requirement of pumping abrasive liquids, acids, liquids and dense slurries.

The design, materials and construction of Alfa pumps make them particularly wear-resistant and easy to maintain.

The materials used to manufacture the pump range from spheroidal cast iron to super alloys, depending on the industrial application.



PATENTS
MADE IN
ITALY



CONSULTING
SERVICE



RESEARCH AND
DEVELOPMENT



HEAVY DUTY
PRODUCTS

100% MADE IN ITALY

The excellence of 'Made in Italy' is embodied in the company with a long history of tradition and innovation. Founded on the principles of high quality industry and functional design, the company stands out for its ability to combine craftsmanship with state-of-the-art technology.

The company stands out on the international scene for its ability to combine tradition and modernity, offering products that stand out for their unique and timeless style. Thanks to its established reputation around the world, the company's 'Made in Italy' label is synonymous with prestige, elegance and superior quality.



FUNCTIONAL
DESIGN



QUALITY



TECHNOLOGY





CERTIFIED COMPANY

Alfa pompe, thanks to a constant commitment to innovation and continuous adherence to international standards, is positioned as a benchmark in the industry.

Every stage of production is subjected to strict controls in compliance with modern standards and the required certifications.

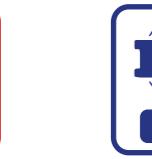
Certified according to strict regulations, the company is committed to ensuring the highest quality, safety and conformity in its production processes, guaranteeing customers maximum reliability and satisfaction.



ENVIRONMENTAL
MANAGEMENT



HEALTH AND
SAFETY AT WORK



MANAGEMENT
FOR THE QUALITY

100% INTERCHANGEABLE

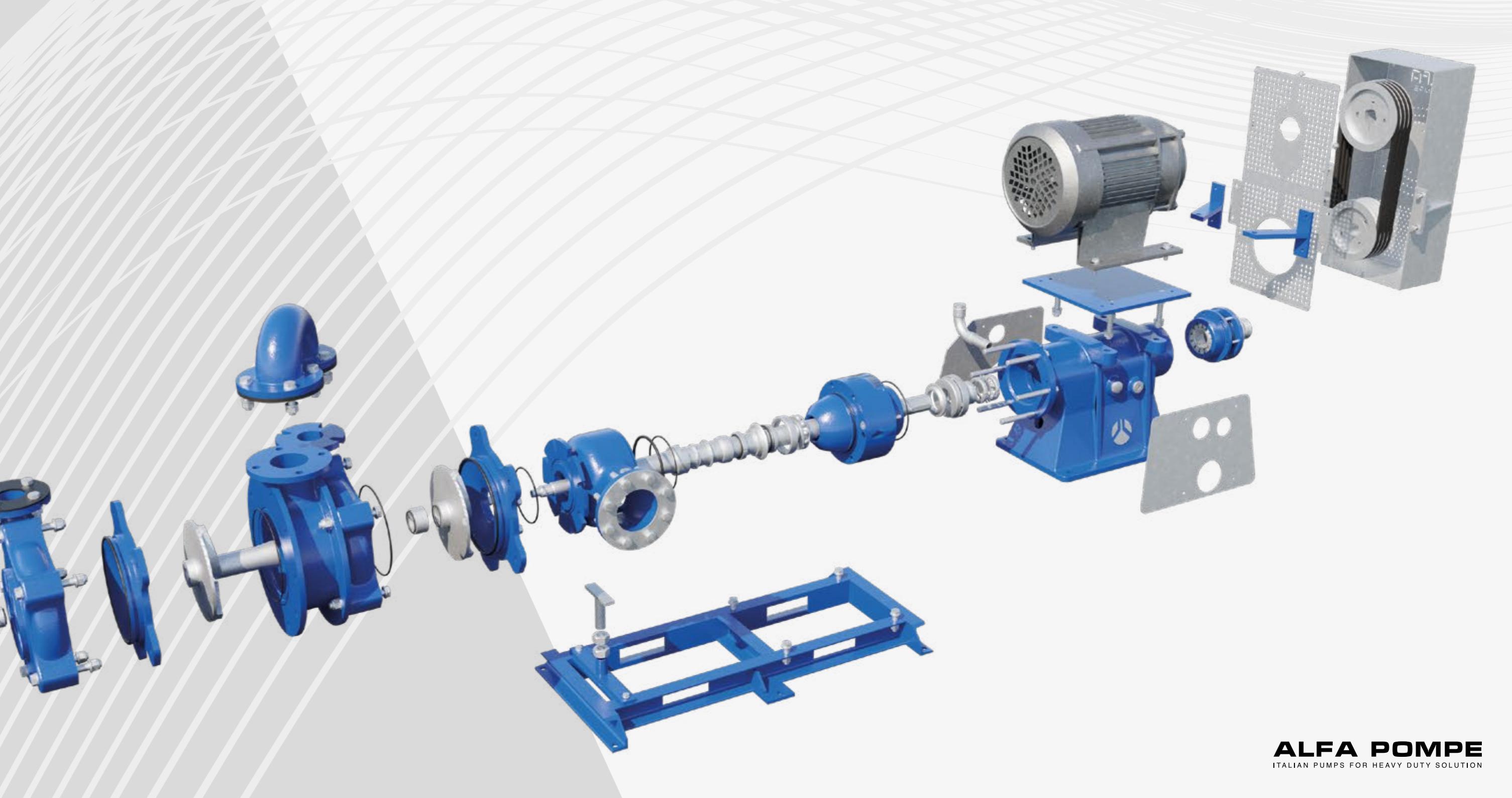
Alfa Pompe offers a revolutionary solution with its pumps boasting 100% interchangeability with other market-leading brands. This unique feature ensures seamless integration and compatibility, allowing customers to effortlessly replace or upgrade their pumps without the need for extensive modifications or adjustments to existing systems.

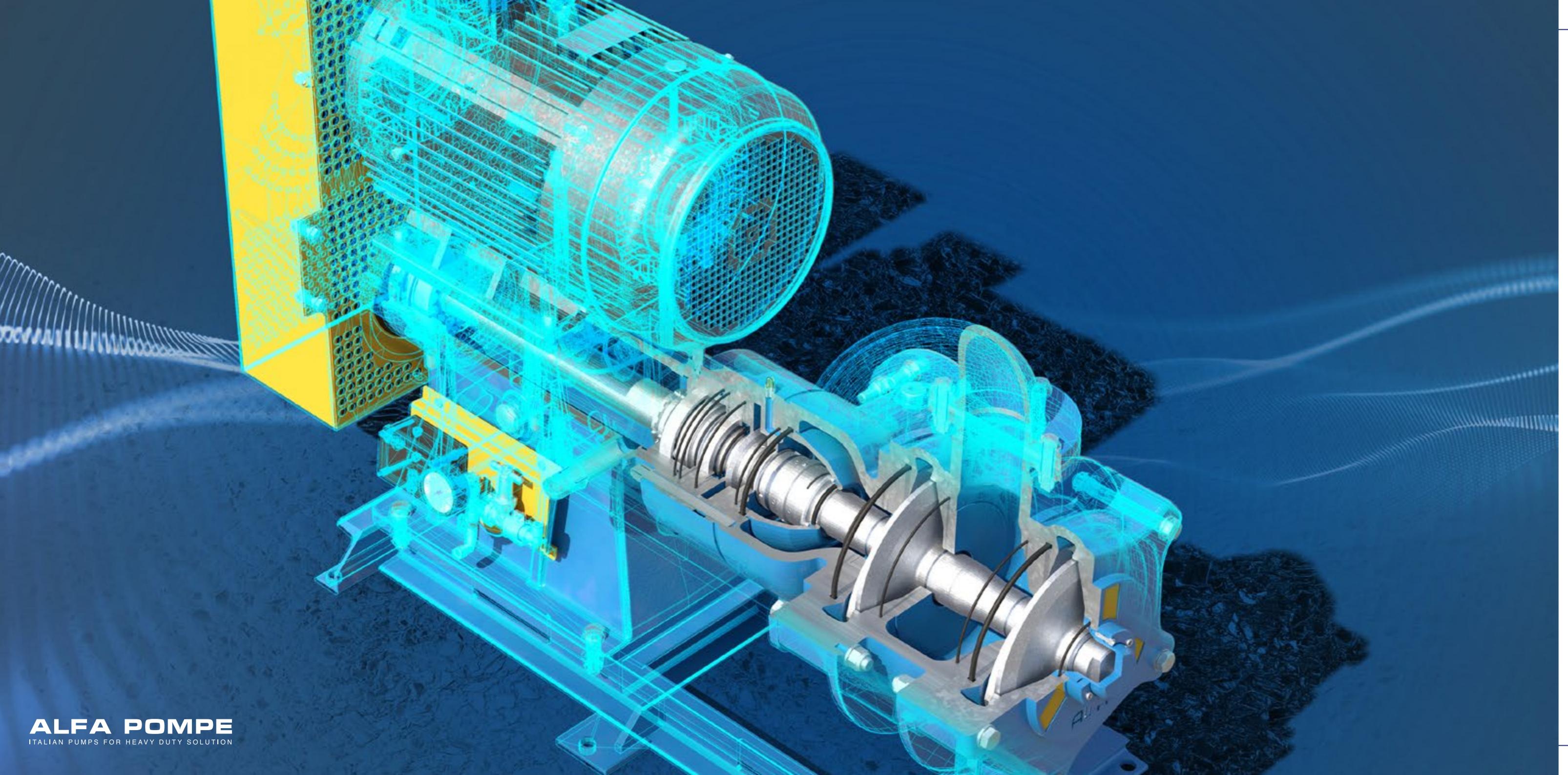
With Alfa Pumps, customers have the freedom to choose the best pump for their specific needs without being constrained by brand limitations. Whether it concerns a centrifugal, vertical or horizontal pump, Alfa Pompe offers unrivalled versatility and reliability, ensuring consistent performance in a variety of applications.

This 100% interchangeability not only simplifies the procurement process, but also reduces downtime and maintenance costs associated with pump replacements. Alfa Pompe's commitment to excellence and innovation guarantees customers high-quality products designed to meet the highest standards of performance and durability.



INTERCHANGEABILITY
WITH OTHER MAJOR
BRANDS

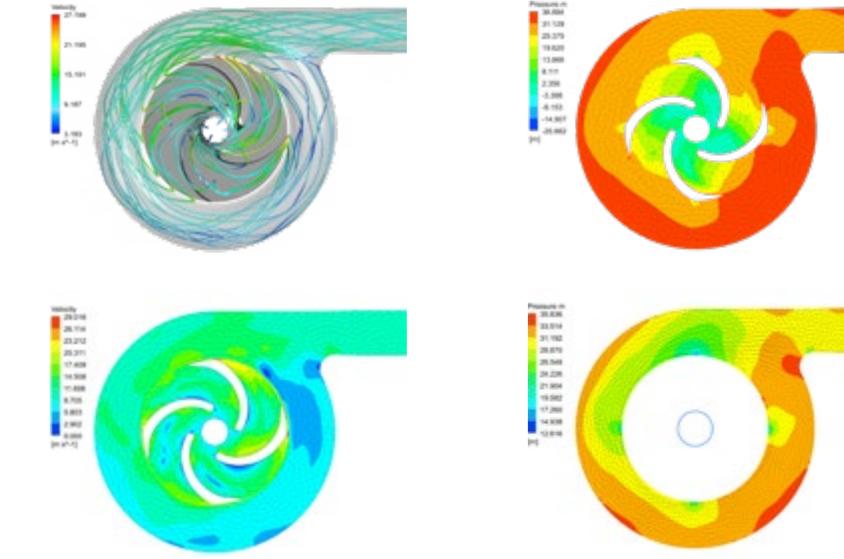




CONTINUOUS INNOVATION

Alfa Pompe is distinguished by the excellence of its products through rigorous fluid dynamics simulations. With a unwavering commitment to innovation, each pump undergoes meticulous testing to ensure maximum performance and reliability. Through the application of the most advanced technologies, Alfa Pompe ensures that each product maintains the state-of-the-art in the industry.

Accurate simulations make it possible to optimise fluid flow and identify any areas for improvement, ensuring that the pumps always meet customers' needs with state-of-the-art performance.



AYOUT OF APPLICATION

Alfa Pompe excels in offering customised pumping systems for various industrial needs. With a versatile assortment, it covers every production area: from submersible sump pumps to high-pressure centrifuges for filter presses, from pumping systems for hydrocyclones to water booster pumps. Thanks to its expertise, know-how and wide range of products, it guarantees effective and reliable solutions for every industrial sector. Alfa Pompe also stands out for its ability to adapt to specific customer requirements, ensuring optimal performance and efficient management of water resources to the benefit of productivity and cost-saving.



1 - VERTICAL OR
SUBMERSIBLE
PUMP



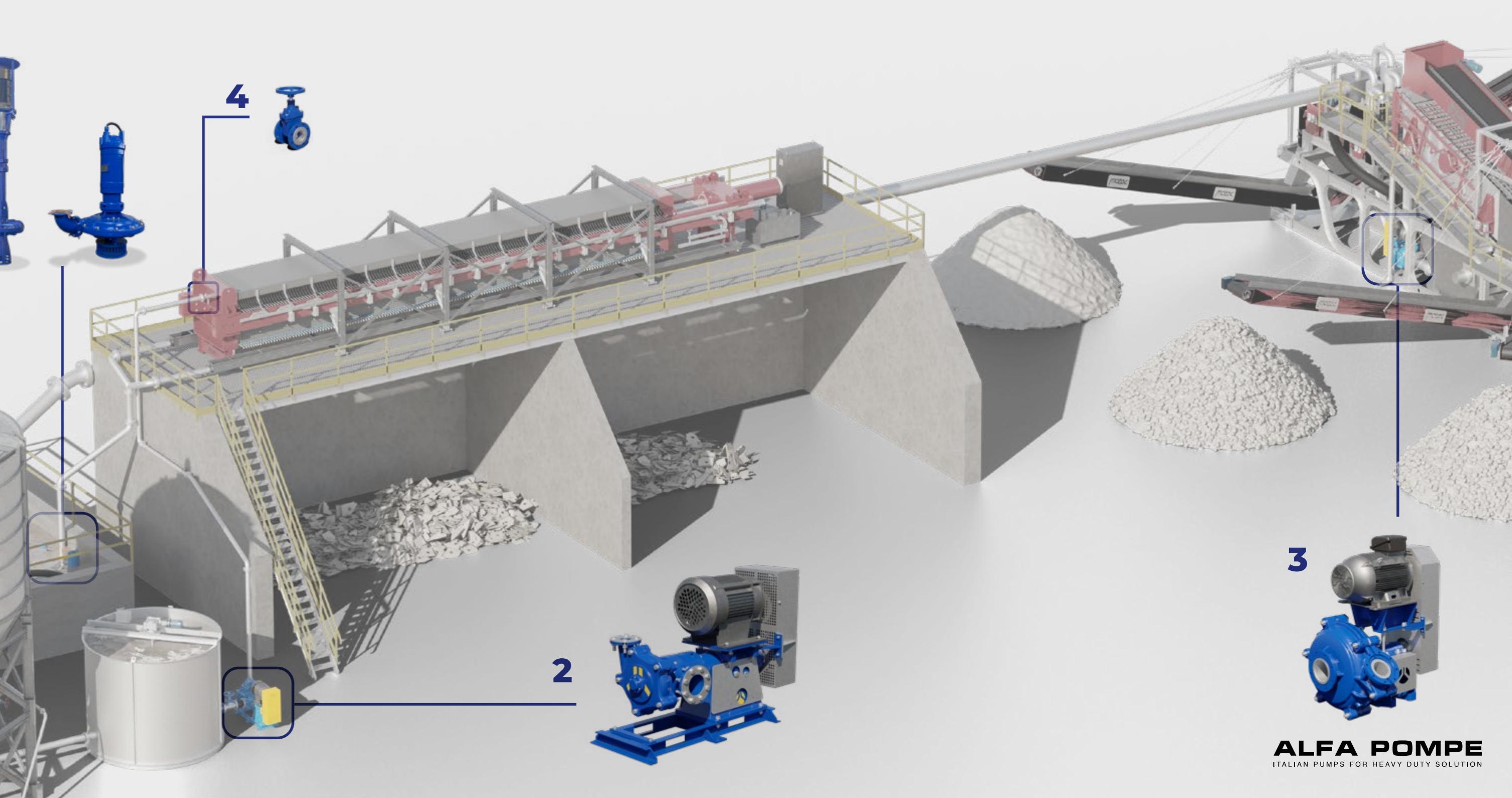
2 - HORIZONTAL
PUMP



3 - WALFPUMP



4 - VALVES





GLOBAL SERVICE NETWORK

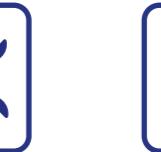
Alfa Pompe stands out for its global service, supported by the group's strategic warehouses located in Brazil, Australia, the United States and at its headquarters in Italy. This global logistics network enables Alfa Pompe to ensure timely service and availability of spare parts worldwide.

Warehouses located in different regions allow efficient stock management and rapid shipment of the components needed to maintain and repair our pumps, minimising downtime and ensuring business continuity for each of our customers.

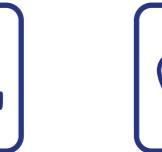
Highly qualified technical personnel are available to provide remote support or intervene directly on site to solve any problem or provide technical advice. This customer-focused approach and quality of service allows us to establish strong, long-term relationships with customers all over the world.



ON-SITE
ASSISTANCE



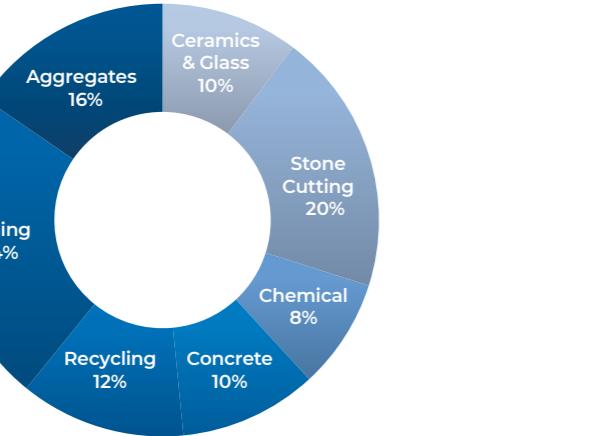
SPECIALIZED
TECHNICIANS



24/7
SUPPORT

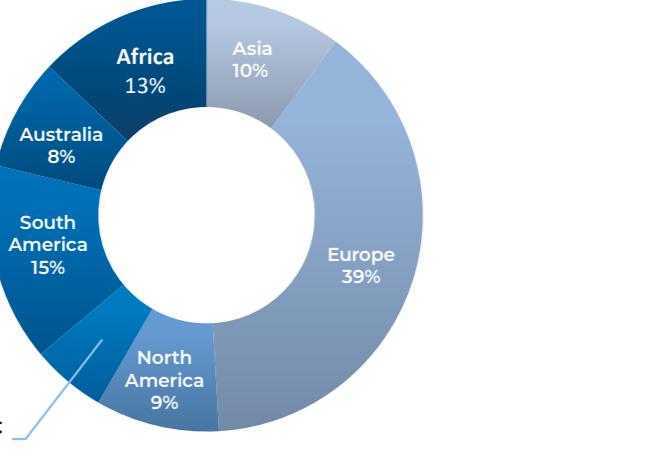
OUR BUSINESS

SECTORS



MARKET OVERVIEW

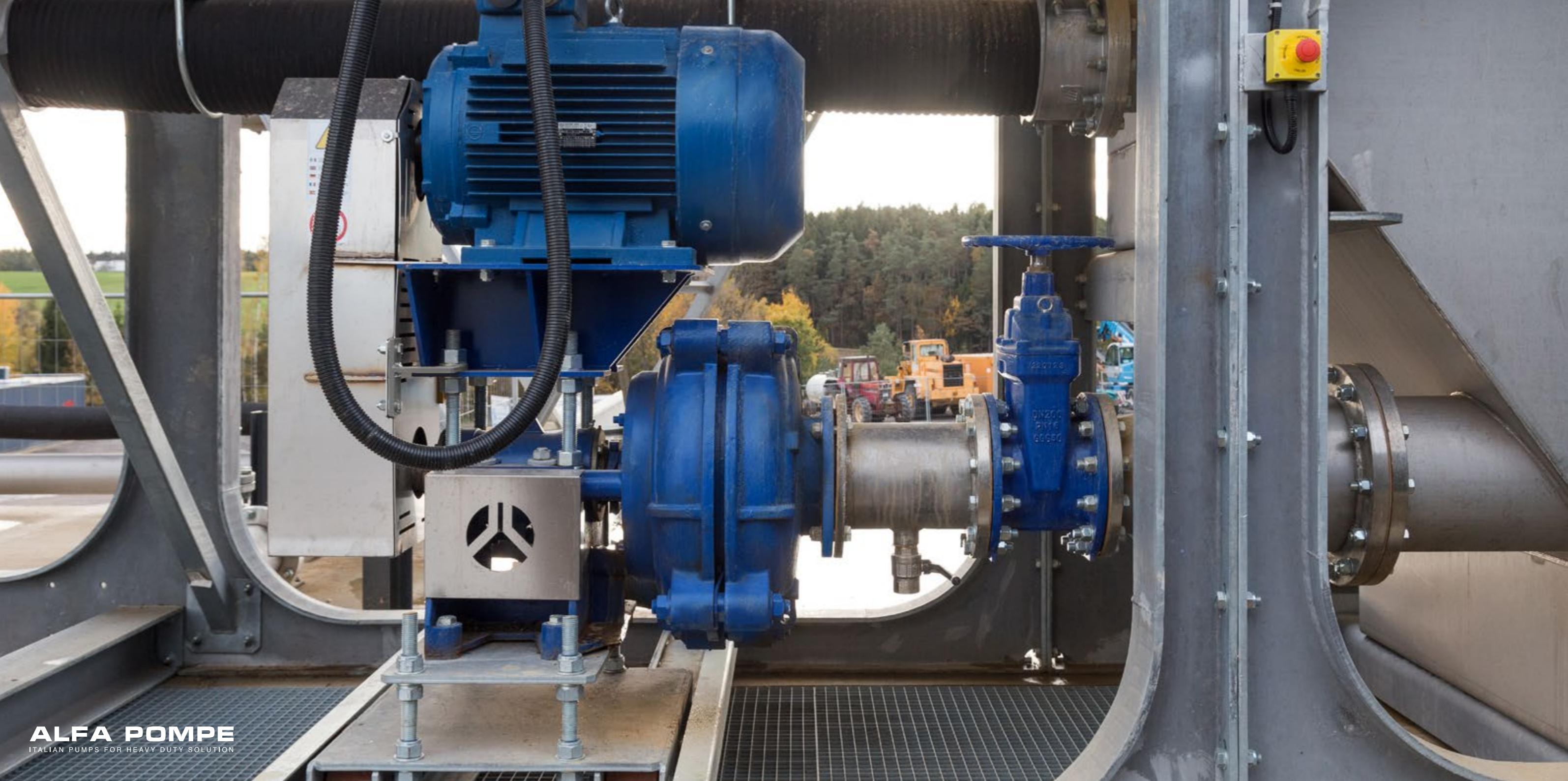
By geographical areas



OUR PRODUCTION



- FRONT SUCTION PUMPS Pag. 225
- HORIZONTAL AXIS PUMPS FOR HIGH PRESSURES Pag. 333
- VERTICAL AXIS PUMPS Pag. 445
- SUBMERSIBLE PUMPS Pag. 555
- VALVES, PIPES AND FLANGES SPARE PARTS Pag. 633



FRONT SUCTION PUMPS

Front suction pumps are designed and engineered to feed hydrocyclones but are also used for sludge transfer or for loading filter presses.

They are characterised by front suction and can process large flow rates.

Depending on the type of application, they can be completely made of super hard cast iron or lined with abrasion resistant rubber.

In the standard version they are supplied with a packing seal (or grease cord) but it is also possible to have them with a mechanical seal.

TYPES:

WALFPUMP

M Metallic Lined Pump
Very abrasive materials

R Rubber Lined Pump
Recommended with
corrosive materials

TYPE:

WALFPUMP

M
R

FRONT SUCTION PUMPS FOR HYDROCYCLOONES AND/
OR SLUDGE TRANSFER

FIELDS OF APPLICATION:

Guaranteeing high flow rates and high heads, they are ideal pumps for use in the industrial and service sectors. They are used to feed hydrocyclones in the inert treatment and washing sector and in all areas where there is a need to transfer abrasive and/or acidic liquids. The bodies and impellers can be made of cast super alloys with high resistance to mechanical abrasion (hardnesses of around 800 HB are possible), or be coated with special anti-abrasive rubber compounds.

TECHNICAL FEATURES

AXIS: with press-lubricated bearings

MATCHING: by means of belts and trapezoidal pulleys with protective casing.

BODY: n°1 chrome cast iron or coated with anti-abrasive rubber

IMPELLER: n°1 chrome cast iron closed type with hardness 790 800 HB or coated with anti-abrasive rubber.

SEALS: packing.

BASE: steel frame for floor support.

TYPES OF FLUSHES

- Lubricated gland packings
- Water-lubricated gland seals
- Water-lubricated mechanical seals

OPTIONAL

- High efficiency version (S type)
- Impeller for froth factor
- Direct coupling via mechanical coupling
- Steel frame and floor support



SECTORS

MINING
AGGREGATES

STONE
SOIL WASHING

INDUSTRIAL

MADE IN ITALY

OPERATING CHARACTERISTICS

PUMP	PIPES		FLOW RATE		HEAD	SPEED	MOTOR
	Inlet DN	Outlet DN	[M3/H]	L/I'	MH2O	[RPM]	[kW]
1.5/1B - AH	1.5	1	10 - 30	160 - 500	5 - 85	1200 - 4400	1.5 - 2. - 3
2/1.5B - AH	2	1.5	20 - 60	330 - 1000	6 - 60	1200 - 3200	2.2 - 3 - 4
3/2C - AH	3	2	40 - 138	660 - 2300	10 - 85	1200 - 3170	5.5 - 7.5 - 9.2 - 11 15
4/3C - AH	4	3	50 - 250	830 - 4160	8 - 80	1000 - 2750	11 - 15 - 18.5 - 22 - 30
4/3D - AH	4	3					37 - 4 - 5
6/4D - AH	6	4	100 - 400	1660 - 6660	10 - 78	800 - 1800	22 - 30 - 3 - 7 - 4 - 5
6/4E - AH	6	4					75 - 9 - 0
8/6E - AH	8	6	300 - 800	5000 - 13300	10 - 80	500 - 1300	30 - 37 - 4 - 5 - 55 - 75
8/6F - AH	8	6					132 - 160
10/8E - M	10	8	500 - 1500	8330 - 25000	10 - 85	400 - 1000	55 - 75 - 90 - 110
10/8F - AH	10	8					315 - 3 - 55
12/10ST - AH	12	10	500 - 2000	8330 - 33300	8 - 82	300 - 900	200 - 250 - 3 - 15 - 450
14/12ST - AH	14	12	1000 - 2900	16600 - 48300	10 - 86	300 - 700	400 - 50 - 5 - 60
16/14TU - AH	16	14	1000 - 3500	16600 - 58330	10 - 62	250 - 550	≤1200
20/18U - AH	20	18	1000 - 6000	16600 - 100000	10 - 60	200 - 400	≤2000

*Sludge pressure at density 1.4 kg/dm³

PUMP	PIPES		FLOW RATE		HEAD	SPEED	MOTOR
	Inlet DN	Outlet DN	[M3/H]	L/I'	MH2O	[RPM]	[kW]
1.5/1B - AHR	1.5	1	10 - 25	160 - 400	8 - 46	1400 - 3200	1.5 - 2. - 3
2/1.5B - AHR	2	1.5	20 - 50	330 - 830	5 - 42	1000 - 2600	2.2 - 3 - 4
3/2C - AHR	3	2	30 - 78	500 - 1300	6 - 46	900 - 2300	5.5 - 7.5 - 9.2 - 11 15
4/3C - AHR	4	3	50 - 150	830 - 2500	5 - 40	800 - 1950	11 - 15 - 18.5 - 22 - 30
4/3D - AHR	4	3					37 - 4 - 5
6/4D - AHR	6	4	100 - 320	1660 - 5300	10 - 42	800 - 1350	22 - 30 - 3 - 7 - 4 - 5
6/4E - AHR	6	4					75 - 9 - 0
8/6E - AHR	8	6	200 - 680	3300 - 11300	6 - 50	400 - 1000	30 - 37 - 4 - 5 - 55 - 75
8/6F - AHR	8	6					132 - 160
10/8E - MR	10	8	400 - 1050	6600 - 17500	10 - 50	400 - 750	55 - 75 - 90 - 110
10/8F - AHR	10	8					315 - 3 - 55
12/10ST - AHR	12	10	1000 - 2300	16600 - 38300	8 - 44	300 - 650	200 - 250 - 3 - 15 - 450
14/12ST - AHR	14	12	500 - 2300	8330 - 38318	10 - 44	300 - 500	400 - 50 - 5 - 60
16/14TU - AHR	16	14	500 - 2800	8330 - 46648	10 - 42	250 - 450	≤1200
20/18U - AHR	20	18	1000 - 4500	16600 - 75000	12 - 44	200 - 350	≤2000

*Sludge pressure at density 1.4 kg/dm³

DATA SHEET - AH

PUMP	SIZE [mm]											WEIGHT [kg]			
	INLET DIMENSIONS						OUTLET DIMENSIONS			OUTLET DN CURVE 45°					
	A	B	C	D	E	G	H	HOLES	H-H	EXT Ø					
1.5/1B - AH	615	616	197	98	108	296	368	Nº 4 HOLES Ø16	114	152	Nº 4 HOLES Ø16	127	165	no curve	90
2/1.5B - AH	628	626	197	114	115,5	296	381	Nº 4 HOLES Ø19	146	184	Nº 4 HOLES Ø19	127	165	no curve	100
3/2C - AH	856	854	254	286	154	406	502	Nº 4 HOLES Ø19	178	216	Nº 4 HOLES Ø19	145	184	80 pn 16	280
4/3C - AH	884,5	929	254	340	108	406	600	Nº 4 HOLES Ø22	235	279	Nº 4 HOLES Ø22	192	228	100 pn 10	550
6/4D - AH	1131,5	1112,5	331	478	220	492	746	Nº 4 HOLES Ø22	292	337	Nº 4 HOLES Ø22	235	280	200 pn 10	920
8/6E - AH	1535,5	1379	457	712	291,5	662	893	Nº 4 HOLES Ø22	356	406	Nº 4 HOLES Ø22	324	368	200 pn 10	2100
10/8E - M	1544	1410	457	701	325,5	662	756	Nº 8 HOLES Ø29	445	502	Nº 8 HOLES Ø29	375	432	200 pn 10	2400
10/8F - AH	1764	1657	610	925	325,5	990	996	Nº 8 HOLES Ø29	445	502	Nº 8 HOLES Ø29	375	432	200 pn 10	4500
12/10ST - AH		1827	650	1323	381	1827		Nº 8 HOLES Ø25	470	527	Nº 12 HOLES Ø25	470	528		7796
14/12ST - AH		1879	650	1482	406	1879		Nº 8 HOLES Ø25	521	584	Nº 12 HOLES Ø25	495	552		9104
16/14TU - AH		2320	900	1799	451	2320		Nº 12 HOLES Ø28	641	705	Nº 12 HOLES Ø28	610	674		
20/18U - AH		2475	900	2130	580	2475		Nº 12 HOLES Ø42	800	900	Nº 12 HOLES Ø42	800	900		

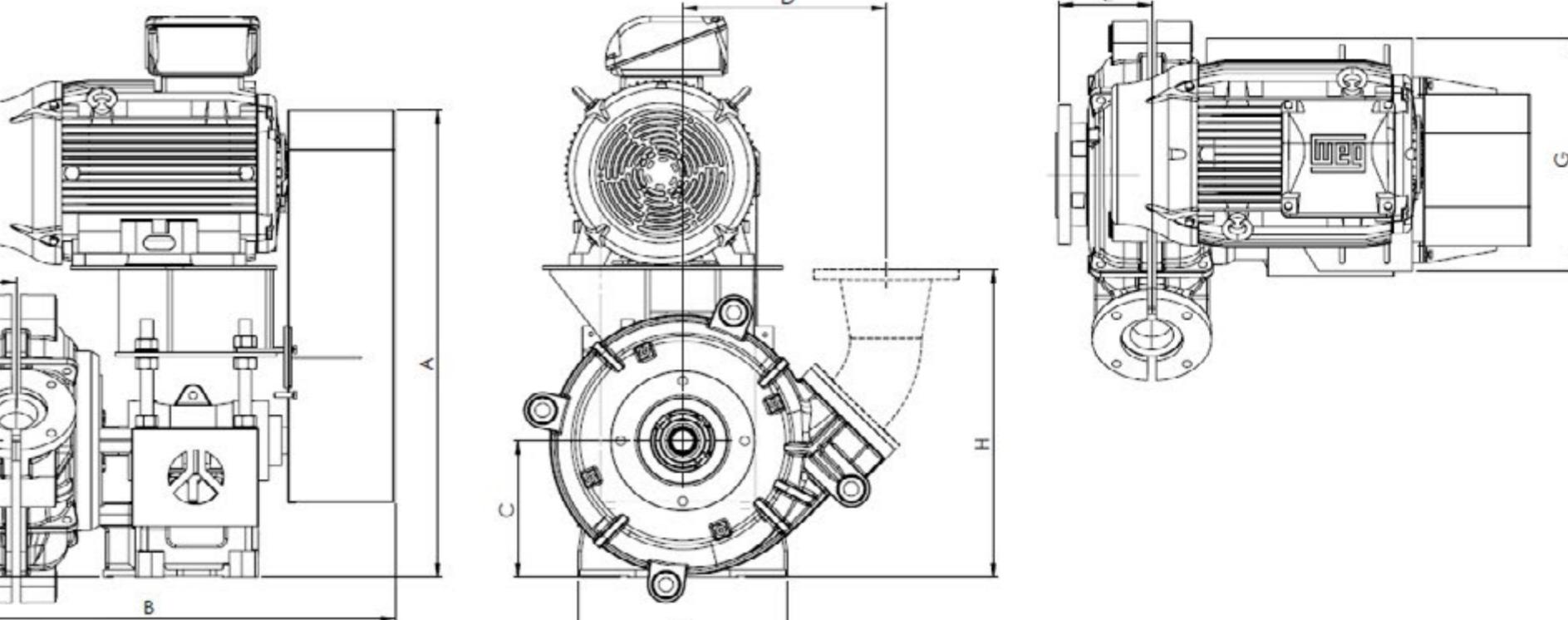
Indicative dimensions and weights

DATA SHEET - AHR

PUMP	SIZE [mm]											WEIGHT [kg]			
	INLET DIMENSIONS						OUTLET DIMENSIONS			OUTLET DN CURVE 45°					
	A	B	C	D	E	G	H	HOLES	H-H	EXT Ø					
1.5/1B - AHR	615	616	197	98	108	296	368	Nº 4 HOLES Ø16	114	152	Nº 4 HOLES Ø16	127	165	no curve	90
2/1.5B - AHR	628	626	197	114	115,5	296	381	Nº 4 HOLES Ø19	146	184	Nº 4 HOLES Ø19	127	165	no curve	100
3/2C - AHR	856	854	254	286	154	406	502	Nº 4 HOLES Ø19	178	216	Nº 4 HOLES Ø19	145	184	80 pn 16	280
4/3C - AHR	884,5	929	254	340	108	406	600	Nº 4 HOLES Ø22	235	279	Nº 4 HOLES Ø22	192	228	100 pn 10	550
6/4D - AHR	1131,5	1112,5	331	478	220	492	746	Nº 4 HOLES Ø22	292	337	Nº 4 HOLES Ø22	235	280	200 pn 10	920
8/6E - AHR	1535,5	1379	457	712	291,5	662	893	Nº 4 HOLES Ø22	356	406	Nº 4 HOLES Ø22	324	368	200 pn 10	2100
10/8E - MR	1544	1410	457	701	325,5	662	756	Nº 8 HOLES Ø29	445	502	Nº 8 HOLES Ø29	375	432	200 pn 10	2400
10/8F - AHR	1764	1657	610	925	325,5	990	996	Nº 8 HOLES Ø29	445	502	Nº 8 HOLES Ø29	375	432	200 pn 10	4500
12/10ST - AHR		1827	650	1323	381	1827		Nº 8 HOLES Ø25	470	527	Nº 12 HOLES Ø25	470	528		7796
14/12ST - AHR		1879	650	1482	406	1879		Nº 8 HOLES Ø25	521	584	Nº 12 HOLES Ø25	495	552		9104
16/14TU - AHR		2320	900	1799	451	2320		Nº 12 HOLES Ø28	641	705	Nº 12 HOLES Ø28	610	674		
20/18U - AHR		2475	900	2130	580	2475		Nº 12 HOLES Ø42	800	900	Nº 12 HOLES Ø42	800	900		

Indicative dimensions and weights

M



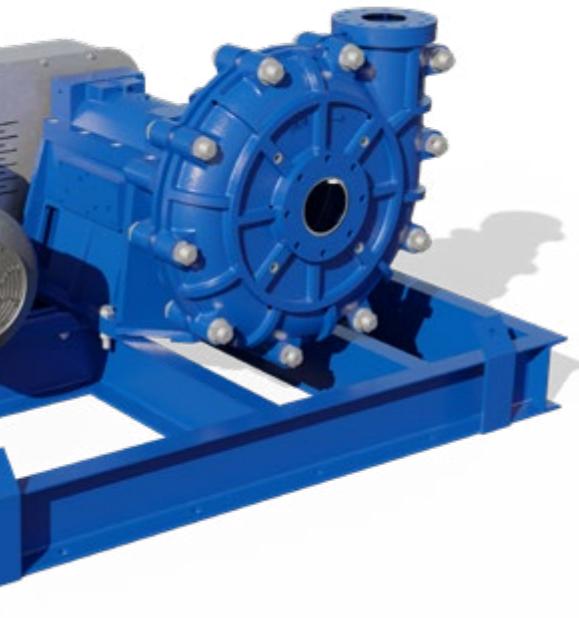
R

LEGEND (for illustrative purposes only)		
Vertical discharge elevation		
On demand		

ALFA POMPE
ITALIAN PUMPS FOR HEAVY DUTY SOLUTIONS
DIMENSIONAL DRAWING

MODULAR CONFIGURATIONS

Our modular technology allows the Walfpump to be customised to fit any environment. If space is limited, we can reduce the size and configure the pump to fit into a smaller space without compromising performance. Similarly, if you have a larger area available, we can expand the pump to provide greater capacity without sacrificing efficiency.

CV**ZV****CR****CL****DC**



HORIZONTAL AXIS PUMPS FOR HIGH PRESSURES

Pumps used to feed filter presses. Depending on the area of application, they can be rubberised or superhard cast iron. Superalloy pumps are specially designed for heavy duty use in mining or in the washing of aggregates. In the marble and granite industry, on the other hand, abrasion-resistant rubber linings are prevalent. Horizontal pumps for filter press can be supplied with single or double speed motors and with standard coupling by means of belts and pulleys.

TYPES:

DIABLO
DELTA
HURACAN
LEVANTE
EVO

M Metallic Lined Pump
Very abrasive materials

R Rubber Lined Pump
Recommended with
corrosive materials

TYPE:

DIABLO

HORIZONTAL SINGLE-BODY CENTRIFUGAL PUMP IN SUPERALLOY ANTI-ABRASIVE

M

FIELDS OF APPLICATION:

A horizontal axis pump mainly used to feed filter presses in the mining and aggregates sectors, also finding its way into other industries. It is a single-body pump capable of achieving a maximum closed pressure of 10 bar and a maximum flow rate range of 1000 l/min to 9000 l/min.

Impeller, body and wear flange are made of super hard cast iron to withstand the maximum possible abrasion.

It is equipped with tungsten carbide or silicon carbide mechanical seals flushed with clean water and oil-bath bearings.

DIABLO pumps can be supplied with single or double speed motors and with standard coupling by means of belts and pulleys.

TECHNICAL FEATURES

AXIS: with oil-bath lubricated bearings.

MATCHING: by means of belts and trapezoidal pulleys with protective casing.

BODY: n° in chrome cast iron and vertical delivery.

IMPELLER: n° 1 made of dynamically balanced open-type super-alloy with a hardness of approximately 750-800HB.

SEALS: double mechanical seal with rings made of silicon carbide or tungsten flushed with clean water.

BASE: steel frame to support pump on the floor

STANDARD EQUIPMENT

- Oil temperature probe
- Flow kit with flow switch

OPTIONAL

- Pressure switch
- Bearing cooling
- Closed circuit flushing kit
- Control panel with inverter and integrated software available



SECTORS

MINING
AGGREGATES
SOIL WASHING
INDUSTRIAL

MADE IN ITALY

HPT

HIGH PRESSURE

TECHNOLOGY

10 BAR

OPERATING CHARACTERISTICS

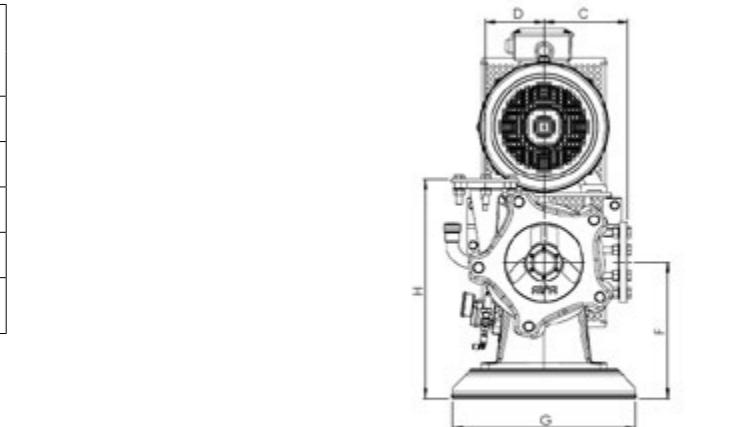
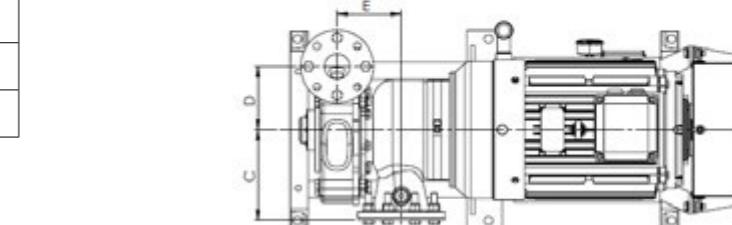
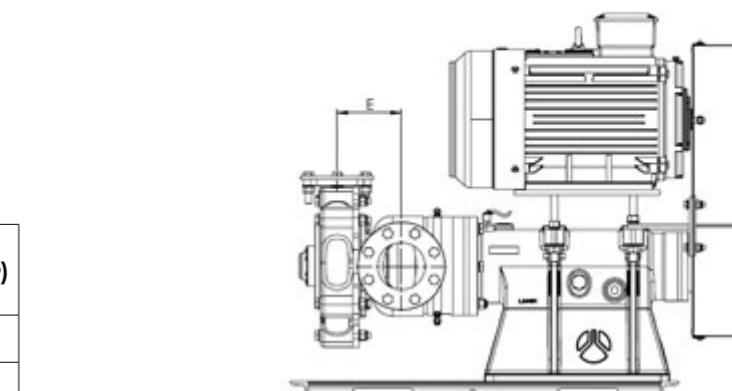
PUMPS	MAX FLOW RATE		MAX PRESSURE		PIPES		MOTOR (4P)
	m ³ /h	l/s	m/H ₂ O	bar*	DN Int.	DN Out.	[Kw]
DBL550-1H	70	1160	63	8	100	50	18.5-22-30
DBL650-1H	120	2000	65	8	100	50	22-30-37
DBL1025-1H	180	3000	55	7.5	150	75	30-37-45
DBL1050-1H	250	4150	70	9	200	125	37-45-55
DBL220-1H	560	9300	70	9,6	250	200	75-90

*Sludge pressure at density 1.4 kg/dm³

DIMENSIONAL

PUMPS	SIZE [mm]								WEIGHT [kg]
	A	B	C	D	E	F	G	H	
DBL550-1H	932	1223	229	161	173	373	500	601	550
DBL650-1H	961	1223	324	180	118	342	500	692	850
DBL1025-1H	1073	1288	412	208	174	491	600	755	1000
DBL1050-1H	1073	1261	510	245	223,5	491	600	798	1260
DBL220-1H	1277	1657	604	300	233,5	477	730	905	1400

Indicative dimensions and weights



ALFA POMPE
ITALIAN PUMPS FOR HEAVY DUTY SOLUTIONS

DIMENSIONAL DRAWING

TYPE:

DELTA

DOUBLE-BODY HORIZONTALLY CENTRIFUGAL PUMP
IN ANTI-ABRASIVE SUPERALLOY

M

FIELDS OF APPLICATION:

A horizontal axis pump mainly used to feed filter presses in the mining and aggregates sectors, also finding its way into other industries.

It is a double-body pump capable of reaching a maximum closed pressure of 16-17 bar and a maximum flow rate range of up to 9000 l/min. Impeller, body and wear flange are made of super hard cast iron to withstand the maximum possible abrasion.

It is equipped with tungsten carbide or silicon mechanical seals flushed with clean water and oil-bath bearings.

DELTA pumps can be supplied with single or double speed motors and with standard coupling by means of belts and pulleys.



SECTORS

MINING
AGGREGATES
SOIL WASHING
INDUSTRIAL

MADE IN ITALY

HPT
HIGH PRESSURE
TECHNOLOGY
16 BAR

TECHNICAL FEATURES

AXIS: with oil-bath lubricated bearings.

MATCHING: by means of belts and trapezoidal pulleys with protective casing.

BODY: n°2 in chrome cast iron with vertical delivery.

SEALS: n°2 in dynamically balanced open-type anti-abrasive super alloy with hardness of approximately 750-800HB.

BASE: steel frame to support the pump on the floor.

STANDARD EQUIPMENT

- Oil temperature probe
- Flow kit with flow switch

OPTIONAL

- Pressure switch
- Bearing cooling
- Closed circuit flushing kit
- Control panel with inverter and integrated software available

OPERATING CHARACTERISTICS

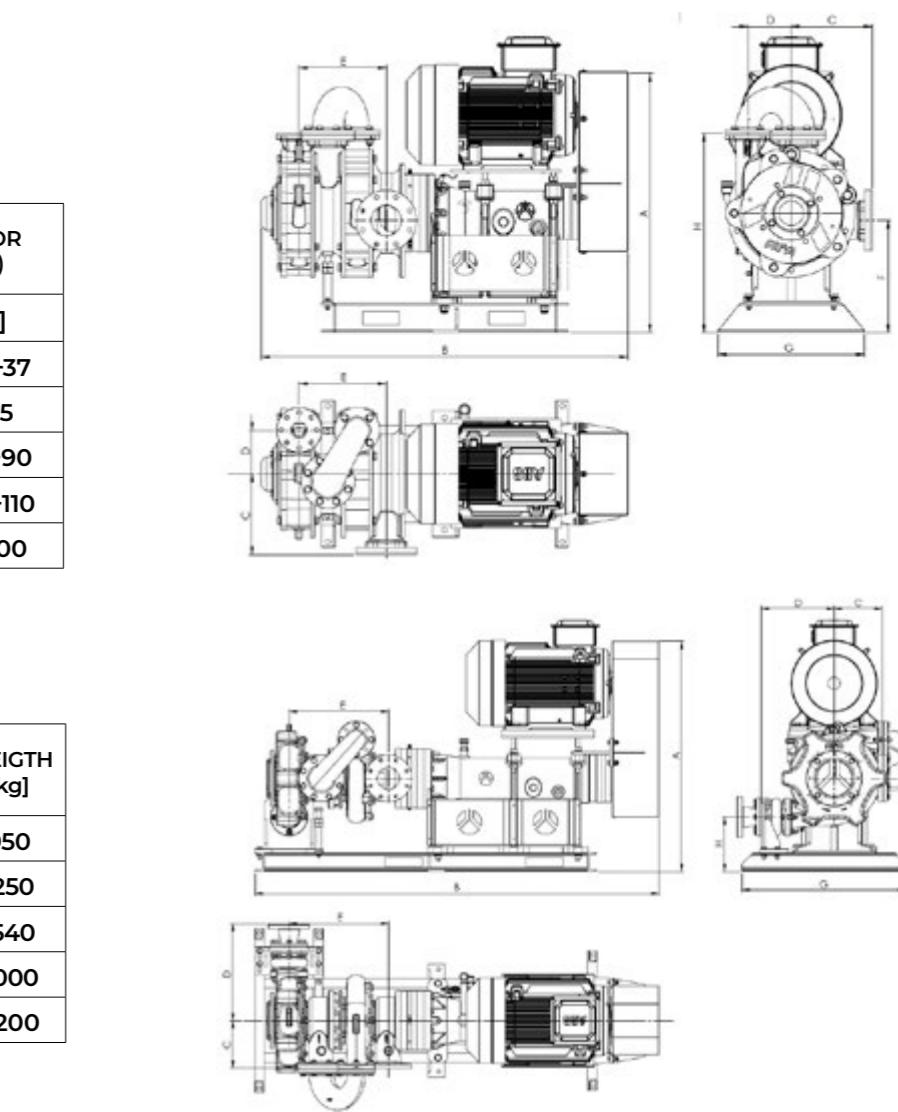
PUMPS	MAX FLOW RATE		MAX PRESSURE		PIPES		MOTOR (4P)
	m ³ /h	l/s	m/H ₂ O	bar*	DN Int.	DN Out.	[Kw]
DLT550-2H	70	1160	126	16	100	50	22-30-37
DLT650-2H	120	2000	116	16	125	65	37-45
DLT1025-2H	180	3000	120	16	150	100	55-75-90
DLT1050-2H	250	4150	116	16	200	125	75-90-110
DLT220-2H	560	9300	121	16	250	200	160-200

*Sludge pressure at density 1.4 kg/dm³

DIMENSIONAL

PUMPS	DISCHARGE POSITION	DIMENSIONI [mm]							WEIGHT [kg]
		A	B	C	D	E	F	G	
DLT550-2H	VERTICAL	934,5	1418	229	160,5	381	372,5	500	601
DLT650-2H	VERTICAL	1067	1511	332	180	359	461	600	819
DLT1025-2H	HORIZONTAL	1238	2174	257,5	392	535	500	880	292
DLT1050-2H	VERTICAL	1237,5	2089	515,5	245	562	500	750	807
DLT220-2H	HORIZONTAL	1665	2751	802	771	674	697	1090	460

Indicative dimensions and weights



TYPE:

HURACAN

HORIZONTAL TRIPLE-BODY CENTRIFUGAL PUMP IN
ANTI-ABRASIVE SUPERALLOY

M



FIELDS OF APPLICATION:

A horizontal axis pump mainly used to feed filter presses in the mining and aggregates sectors, also finding its way into other industries. It is a triple-body pump capable of reaching a maximum closed pressure of 20-21 bar and a maximum flow rate range of up to 4000 l/min.

Impeller, body and wear flange are made of super hard cast iron to withstand the maximum possible abrasion.

It is equipped with tungsten carbide or silicon carbon mechanical seals flushed with clean water and oil-bath bearings.

HURACAN pumps can be supplied with single or double speed motors and with standard coupling by means of belts and pulleys.

TECHNICAL FEATURES

AXIS: with oil-bath lubricated bearings.

MATCHING: by means of belts and trapezoidal pulleys with protective casing.

BODY: n°3 in chrome cast iron with vertical delivery.

SEALS: n°3 in dynamically balanced open-type anti-abrasive super alloy with hardness of approximately 750-800HB.

BASE: steel frame to support the pump on the floor.

STANDARD EQUIPMENT

- Oil temperature probe
- Flow kit with flow switch

OPTIONAL

- Pressure switch
- Bearing cooling
- Closed circuit flushing kit
- Control panel with inverter and integrated software available

SECTORS

MINING
AGGREGATES
SOIL WASHING
INDUSTRIAL

MADE IN ITALY

HPT

HIGH PRESSURE

TECHNOLOGY

21 BAR

OPERATING CHARACTERISTICS

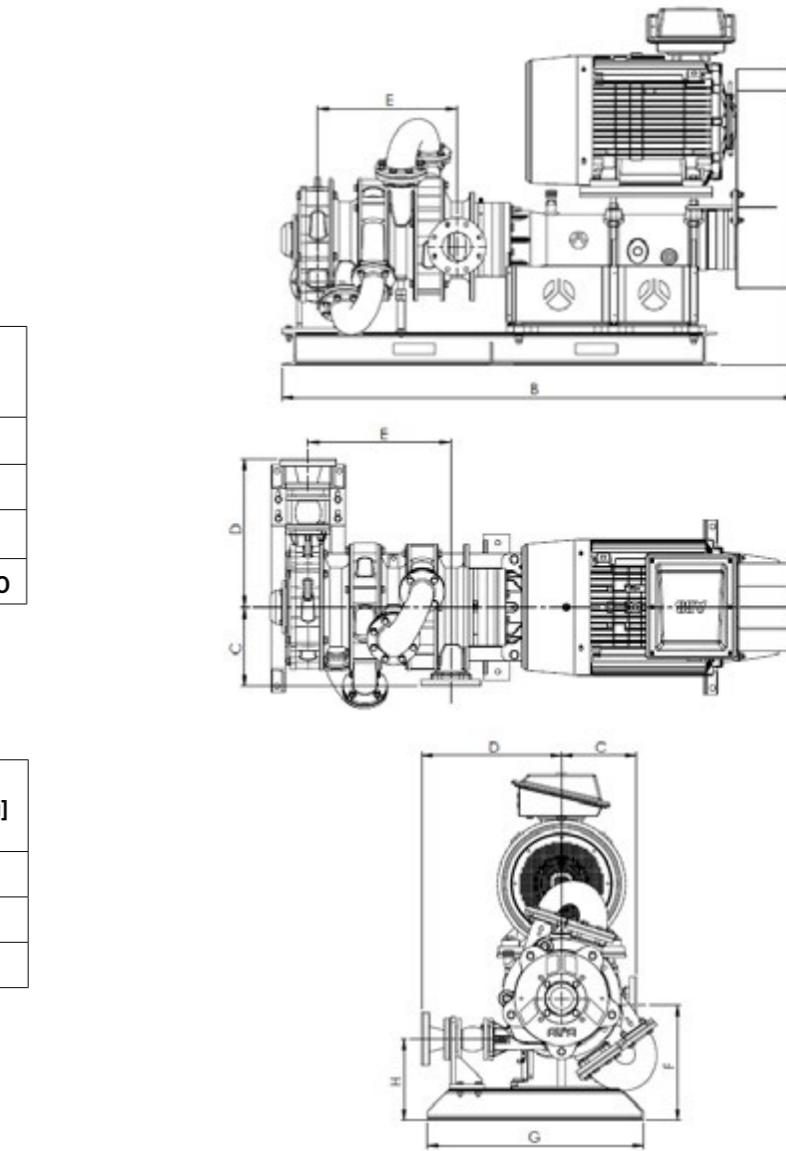
PUMPS	MAX FLOW RATE		MAX PRESSURE		PIPES		MOTOR (4P)
	m ³ /h	l/s	m/H ₂ O	bar*	DN Int.	DN Out.	[Kw]
HRC550-3H	70	1160	158	21	100	80	45-55-75
HRC650-3H	120	2000	150	21	125	100	55-75-90
HRC1050-3H	250	4150	150	21	200	150	110-132-160

*Sludge pressure at density 1.4 kg/dm³

DIMENSIONAL

PUMPS	SIZE [mm]								WEIGHT [kg]
	A	B	C	D	E	F	G	H	
HRC 550-3H	1227	1740	356	469.5	882	551	785	360	1430
HRC650-3H	1227	2210	332	621.5	598.5	510	960	360	2180
HRC1050-3H	1665	2815	515.5	672	901	760	1000	515	4000

Indicative dimensions and weights



TYPE:

LEVANTE

RUBBERIZED HORIZONTAL SINGLE-BODY
CENTRIFUGAL PUMP

R

FIELDS OF APPLICATION:

A horizontal axis pump used to feed filter presses in the marble and granite industry, also finding its way into other industries. It is a single-body pump capable of reaching a maximum closed pressure of 6-7 bar and a maximum flow rate range of up to 4000 l/min.

The impeller is made of super-hard cast iron while the body, which can be separated into two halves, is internally lined with an anti-abrasive natural rubber vulcanised onto the cast iron. It is equipped with tungsten carbide mechanical seals flushed with clean water and with bearings in an oil bath.

LEVANTE pumps can be supplied with single or double speed motors and with standard coupling by means of belts and pulleys.



SECTORS

MARBLE
GRANITE
INDUSTRIAL

MADE IN ITALY

HPT
HIGH PRESSURE
TECHNOLOGY

7 BAR

TECHNICAL FEATURES

AXIS: with oil-bath lubricated bearings.

MATCHING: by means of belts and trapezoidal pulleys with protective casing.

BODY: n°1 cast iron in vulcanised anti-abrasive rubber.

SEALS: n°1 in dynamically balanced open-type anti-abrasive super alloy with hardness of approximately 750-800HB.

BASE: steel frame to support the pump on the floor.

STANDARD EQUIPMENT

- Oil temperature probe
- Flow kit with flow switch

OPTIONAL

- Pressure switch
- Bearing cooling
- Closed circuit flushing kit
- Control panel with inverter and integrated software available

OPERATING CHARACTERISTICS

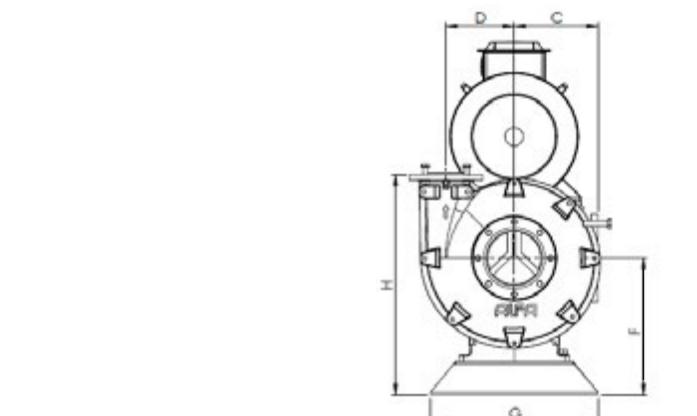
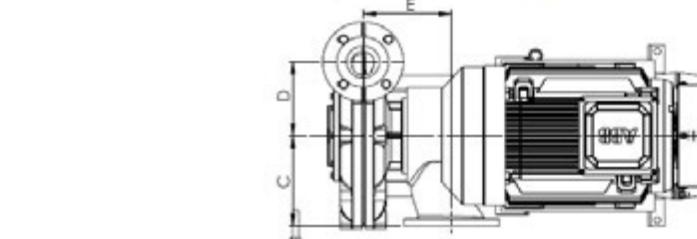
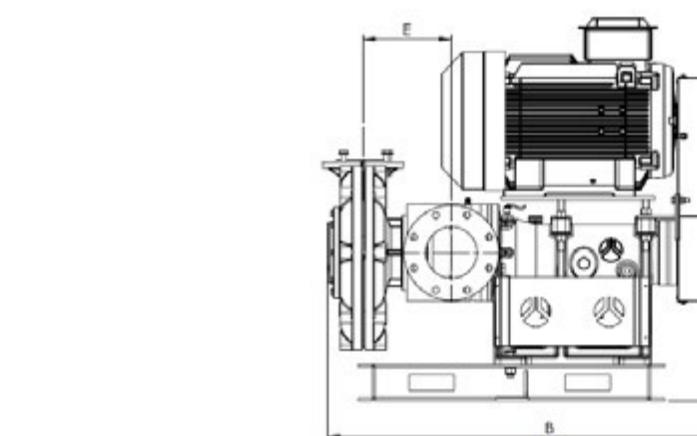
PUMPS	MAX FLOW RATE		MAX PRESSURE		PIPES		MOTOR (4P)
	m ³ /h	l/s	m/H ₂ O	bar*	DN Int.	DN Out.	[Kw]
LVT350-1G	20	330	30	4	65	40	5.5/11
LVT450-1G	40	660	40	5	80	50	5.5/11 - 11
LVT550-1G	60	1000	45	6	100	65	5.5/11 - 11 - 15
LVT650-1G	120	2000	55	7	125	80	15 - 18.5 - 22
LVT1025-1G	180	3000	55	7	150	100	22 - 30 - 37
LVT1050-1G	250	4150	45	6	200	150	37 - 45 - 55

*Sludge pressure at density 1.4 kg/dm³

DIMENSIONAL

PUMPS	SIZE [mm]								WEIGHT [kg]
	A	B	C	D	E	F	G	H	
LVT350-1G	795	1053	222	109.5	179	280	400	400	315
LVT450-1G	795	1074	222	101	201	280	400	464	320
LVT550-1G	702	1082	222	146	190	217	400	455	340
LVT650-1G	924.5	1144	222	181	200	388	400	425	450
LVT1025-1G	1070	1288.5	257.5	217	170	492	600	747	500
LVT1050-1G	1070	1363	300	245	291	492	600	791	570

Indicative dimensions and weights



TYPE:

EVOHORIZONTAL DOUBLE-BODY CENTRIFUGAL PUMP
RUBBERED

R

SECTORS

MARBLE
GRANITE
INDUSTRIAL

MADE IN ITALY

HPT

HIGH PRESSURE

TECHNOLOGY

13 BAR

FIELDS OF APPLICATION:

A horizontal axis pump used to feed filter presses in the marble and granite industry, also finding its way into other industries. It is a double-body pump capable of reaching a maximum closed pressure of 12-13 bar and a maximum flow rate up to 4000 l/min. The impeller is made of super hard cast iron while the bodies, which can be separated into two halves, are internally lined with an anti-abrasive natural rubber vulcanised onto the cast iron. It is equipped with silicon carbide mechanical seals flushed with clean water and bearings in an oil bath. EVO pumps can be supplied with single or double speed motors and with standard coupling by means of belts and pulleys.

TECHNICAL FEATURES

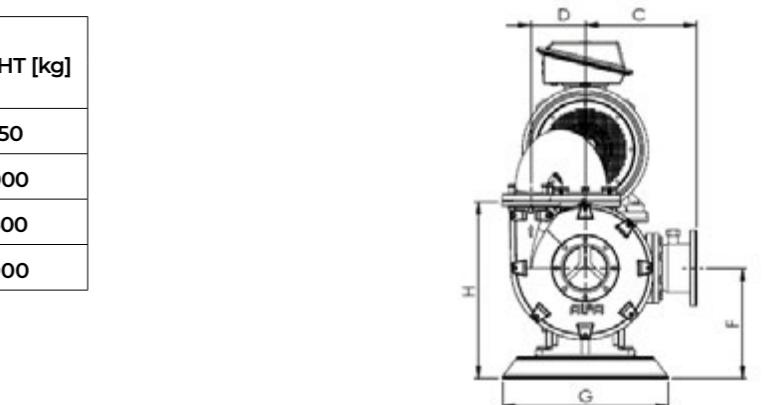
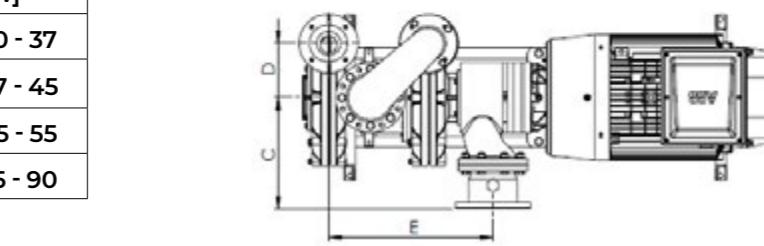
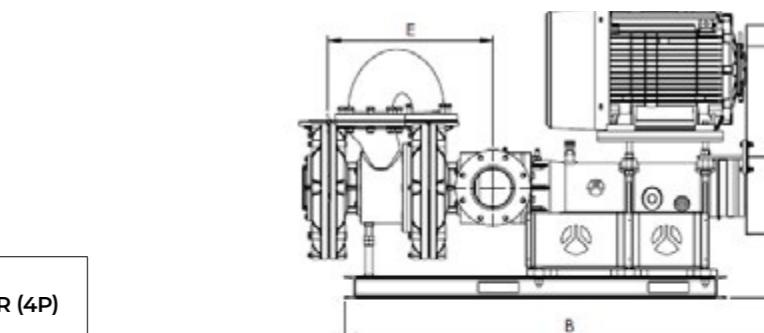
AXIS: with oil-bath lubricated bearings.**MATCHING:** by means of belts and trapezoidal pulleys with protective casing.**BODY:** n° 2 in chrome cast iron with vertical delivery.**SEALS:** n° 2 in dynamically balanced open-type anti-abrasive super alloy with hardness of approximately 750-800HB.**BASE:** steel frame to support the pump on the floor.

STANDARD EQUIPMENT

- Oil temperature probe
- Flow kit with flow switch

OPTIONAL

- Pressure switch
- Bearing cooling
- Closed circuit flushing kit
- Control panel with inverter and integrated software available



OPERATING CHARACTERISTICS

PUMPS	MAX FLOW RATE		MAX PRESSURE		PIPES		MOTOR (4P)
	m³/h	l/s	m/H₂O	bar*	DN Int.	DN Out.	[Kw]
EVO550-2G	70	1160	95	13	100	65	22 - 30 - 37
EVO650-2G	120	2000	95	13	125	80	30 - 37 - 45
EVO1025-2G	180	3000	100	12.5	150	100	37 - 45 - 55
EVO1050-2G	250	4150	100	13	200	150	55 - 75 - 90

*Sludge pressure at density 1.4 kg/dm³

DIMENSIONAL

PUMPS	SIZE [mm]								WEIGHT [kg]
	A	B	C	D	E	F	G	H	
EVO550-2G	1018	1549	206	146	551	365	470	603	750
EVO650-2G	1137	1861	206	182	580.5	575	800	820	1000
EVO1025-2G	1030	1650	257.5	206	528.5	451	600	707	1500
EVO1050-2G	1237	2071	504	245	741.5	500	750	800	1900

Indicative dimensions and weights



VERTICAL AXIS PUMPS

Vertical axis pumps for use in tanks or sumps, designed to handle sludge produced in the marble and granite industry, in mining, in the treatment/washing of aggregates or in the ceramic industry.

They are characterised by bearings dimensioned to allow the lower part of the shaft to work without supports immersed in the liquid. The bodies can be made of super hard cast iron or coated with abrasion-resistant rubber depending on the application. They can be supplied with transmission via belts and pulleys or with direct coupling via a coupling.

TYPES:

PANTERA
DRAGON
DISCOVERER
TOWER



Metallic Lined Pump
Very abrasive materials



Rubber Lined Pump
Recommended with
corrosive materials

TYPE:

M

R

PANTERA

ANTI-ABRASIVE VERTICAL PUMP FOR APPLICATIONS GRAVIOUS

FIELDS OF APPLICATION:

Special pumps for abrasive fluids in harsh conditions such as quarries, mines and the chemical industry. Vertical axis without submerged bearings or seals, suitable for tanks or shafts. Available in two versions: body and impeller in abrasion-resistant superalloy or rubber inner shells. Coupled to the motor by means of belts and pulleys, adjustable for performance variations.

TECHNICAL FEATURES

AXIS: vertical pump with sealed chamber bearings dimensioned in such a way that the lower part of the shaft can operate cantilevered without bearings immersed in the liquid.

BODY: in chrome cast iron or coated with anti-abrasive rubber.

IMPELLER: open for large solids, cast chromium iron, closed type, 750-800 HB hardness or coated with abrasion-resistant rubber.

OPTIONAL

- Complete immersed portion (L) can be dimensioned on request.



SECTORS

MARBLE
GRANITE
AGGREGATES
RECYCLING
MINING

MADE IN ITALY

OPERATING CHARACTERISTICS

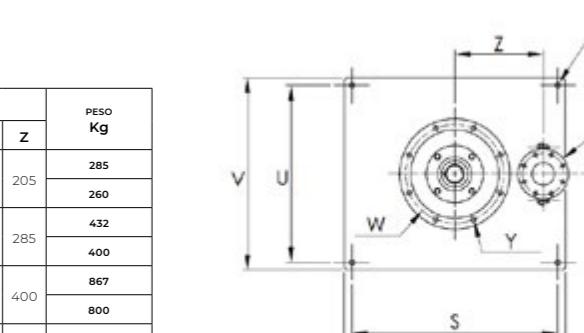
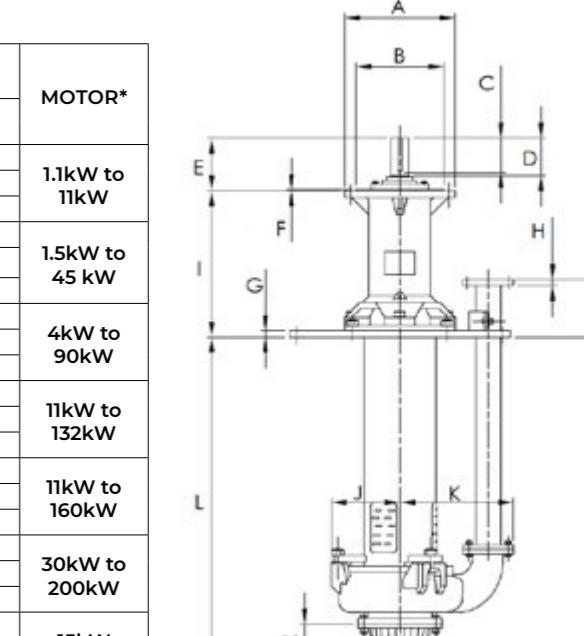
PUMPS	HEAD (m)	FLOW RATE													MOTOR*	
		10 m ³ /h	20 l/m	30 167	40 333	60 500	80 667	100 1000	200 1334	300 1667	400 3334	500 5001	600 6668	800 8335	1000 10002	
PNT 40 PV/SP	5,5	4,2														1000
	15,4	13,2	11,5	9,3												1600
	28	27,5	24,5	22												2200
PNT 65 QV/SP	5,2	4,8	4,4	4												600
	28	27,6	26,8	24,9	22,5	20										1400
	57,3	57	56,1	54,1	51,7	48,5										2000
PNT 100 RV/SP	6,3	6,2	6	5,8	5,3											500
	25,4	25,2	25	24,5	21,6											1000
	50	49,9	49,7	49,4	46,3	40,8										1400
PNT 150 SV/SP																500
																800
																1000
PNT 200 SV/SP																400
																650
																850
PNT 250 TV/SP																1100
																1600
																2000
PNT 300 TV/SP																3000
																4000
																5500

*Indicative data; measurement made with water; motor sizes and may vary when working with high density sludge.

DIMENSIONAL

PUMPS	DIMENSIONI mm															PSC kg							
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	S	T	U	V	Y	Z	
PNT 40 PV/SP	Ø290	Ø230	75	85	133,5	4	16	18	374	153	285	900	130	88	DISCHARGE FLANGE 127 Ø- 40 I.Ø 4 HOLES Ø16 ON Ø98	N°4 - Ø18	450	500	450	500	N°8 - Ø15	205	85
PNT 40 PV/SPR	Ø362	Ø280	95	110	178	5	20	21	492	232	399	1200	227	123	DISCHARGE FLANGE 180 Ø- 65 I.Ø 4 HOLES Ø19 ON Ø140	N°4 - Ø18	620	680	620	680	Ø320	N°8 - Ø19	285
PNT 65 QV/SP	Ø362	Ø280	95	110	178	5	20	21	492	232	399	1200	227	123	DISCHARGE FLANGE 180 Ø- 65 I.Ø 4 HOLES Ø19 ON Ø140	N°4 - Ø18	620	680	620	680	Ø320	N°8 - Ø19	32
PNT 65 QV/SPR	Ø500	Ø400	155	170	238	6	28	26	663	310	515	1500	265	195	DISCHARGE FLANGE 229 Ø- 104 I.Ø 8 HOLES Ø19 ON Ø191	N°4 - Ø22	930	1000	800	870	Ø445	N°8 - Ø23	400
PNT 100 RV/SP	Ø680	Ø550	200	211	300	5	20	25	878	375	665	1800	396	230	DISCHARGE FLANGE 280 Ø- 152 I.Ø 8 HOLES Ø22 ON Ø241	N°4 - Ø28	1030	1100	1030	1100	Ø610	N°8 - Ø27	500
PNT 100 RV/SPR	Ø680	Ø550	200	211	300	10	32	32	878	439	771	1800	457	230	DISCHARGE FLANGE 343 Ø- 200 I.Ø 8 HOLES Ø22 ON Ø248	N°4 - Ø28	1200	1300	1100	1200	Ø610	N°8 - Ø27	600
PNT 150 SV/SP	Ø680	Ø550	200	220	345	10	40	30	1338	471	903	2100	495	300	DISCHARGE FLANGE 406 Ø- 250 I.Ø 12 HOLES Ø25 ON Ø362	N°4 - Ø28	1650	1750	1350	1450	Ø760	N°8 - Ø39	700
PNT 150 SV/SPR	Ø680	Ø650	200	220	345	10	40	30	1338	583	942	2100	495	300	DISCHARGE FLANGE 483 Ø- 300 I.Ø 12 HOLES Ø25 ON Ø432	N°4 - Ø28	1650	1750	1350	1450	Ø760	N°8 - Ø39	700
PNT 200 SV/SP	Ø680	Ø550	200	211	300	10	32	32	878	439	771	1800	457	230	DISCHARGE FLANGE 406 Ø- 250 I.Ø 12 HOLES Ø25 ON Ø362	N°4 - Ø28	1650	1750	1350	1450	Ø760	N°8 - Ø39	700
PNT 250 TV/SP	Ø860	Ø650	200	220	345	10	40	30	1338	583	942	2100	495	300	DISCHARGE FLANGE 483 Ø- 300 I.Ø 12 HOLES Ø25 ON Ø432	N°4 - Ø28	1650	1750	1350	1450	Ø760	N°8 - Ø39	700
PNT 300 TV/SP	Ø860	Ø650	200	220	345	10	40	30	1338	583	942	2100	495	300	DISCHARGE FLANGE 483 Ø- 300 I.Ø 12 HOLES Ø25 ON Ø432	N°4 - Ø28	1650	1750	1350	1450	Ø760	N°8 - Ø39	700

Indicative dimensions and weights



ALFA POMPE
ITALIAN PUMPS FOR HEAVY DUTY SOLUTIONS
DIMENSIONAL DRAWING

TYPE:

DRAGON

R

ANTI-ABRASIVE VERTICAL PUMP FOR APPLICATIONS GRAVIOS

FIELDS OF APPLICATION:

Special pumps for abrasive liquids from stone, aggregates, cement water, glass and ceramics.
Direct coupling via elastic coupling.
Flow rate up to 5800 l/min.

TECHNICAL FEATURES

AXIS: vertical with sealed chamber bearings dimensioned in such that the lower part of the shaft can work cantilevered without supports immersed in the liquid.

BODY: cast iron, split in two parts, coated with wear-resistant compound. Replaceable and adjustable antiabrasive rubber shells for quick maintenance

DISCHARGE CURVE: with interchangeable rubber sleeve for connecting the pump to the delivery hose.

IMPELLER: anti-clogging open metal that improves efficiency, allowing smaller engines the same performance.

OPTIONAL

On request, it is possible to insert an extension between the suction pad and the lower body bottom to increase the distance between bearing and liquid and keep the motor outside the bowl.



SECTORS

MARBLE
GRANITE
AGGREGATES
RECYCLING
MINING

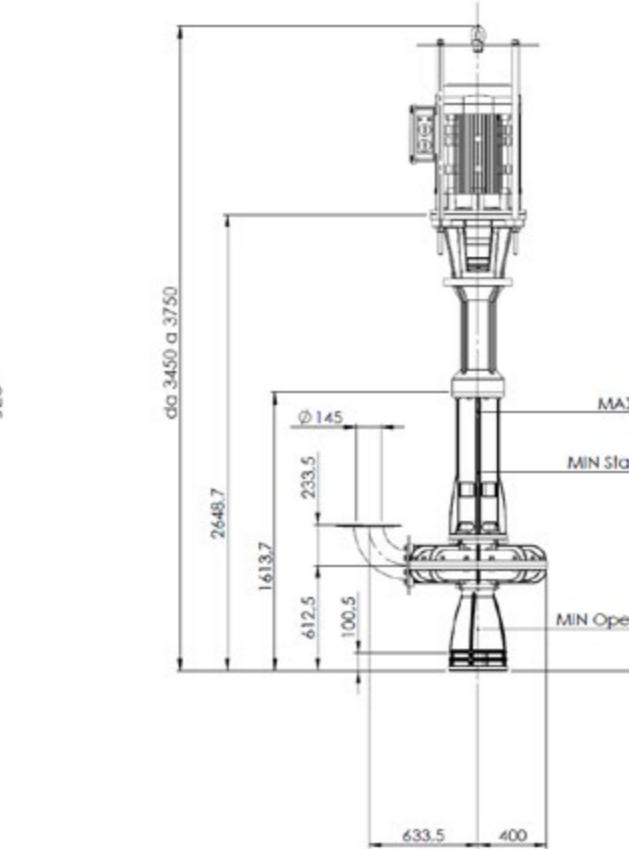
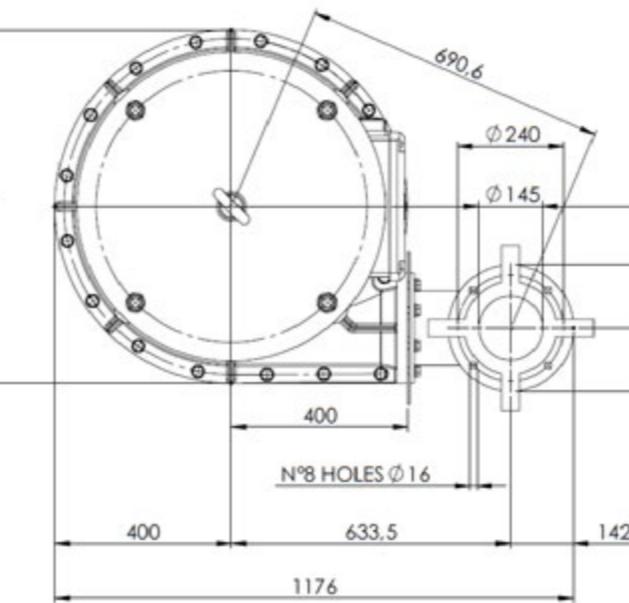
MADE IN ITALY

OPERATING CHARACTERISTICS

PUMPS	m ³ /h	FLOW RATE							SPEED [RPM]	MOTOR*	
		0	50	100	150	200	250	300			
DRG 125 Ø 330	l/1'	0	834	1667	2501	3334	4168	5001	5835		
	HEAD (m)	37	35,5	33	28	22,5				1450	30kw
		42	40,5	38	35	31	26,5	22		1450	37kw
		47	45,5	43,5	41	37,5	34	29,5	25	1450	45kw
DRG 125 Ø 400		54,5	54	52	49	46	42,5	38	33	1450	55kw

*Indicative data; measurement made with water; motor sizes and may vary when working with high density sludge.

DIMENSIONAL



ALFA POMPE
ITALIAN PUMPS FOR HEAVY DUTY SOLUTIONS

DIMENSIONAL DRAWING

TYPE:

DISCOVERER

VERTICAL PUMP WITH DIRECT DRIVE

R

FIELDS OF APPLICATION:

Special pumps for abrasive liquids such as stone, aggregates, cement waters, glass, and ceramics.

TECHNICAL FEATURES

AXIS: Vertical pump with sealed chamber bearings for work in cantilever without immersed supports.

BODY: Cast iron, divided into two parts, coated with wear-resistant compound. Replaceable and adjustable anti-abrasive rubber shells for quick maintenance.

DISCHARGE CURVE: With interchangeable rubber sleeve for connecting the pump to the discharge pipe.

IMPELLER: Non-clogging open type, consisting of a steel core coated in a special anti-abrasive compound.

OPTIONAL

Upon request, it is possible to insert an extension between the suction pipe and the lower BODY to increase the distance between the bearing and the liquid, thus keeping the motor outside the tank.



SECTORS

MARBLE
GRANITE
AGGREGATES
RECYCLING
MINING

MADE IN ITALY

OPERATING CHARACTERISTICS

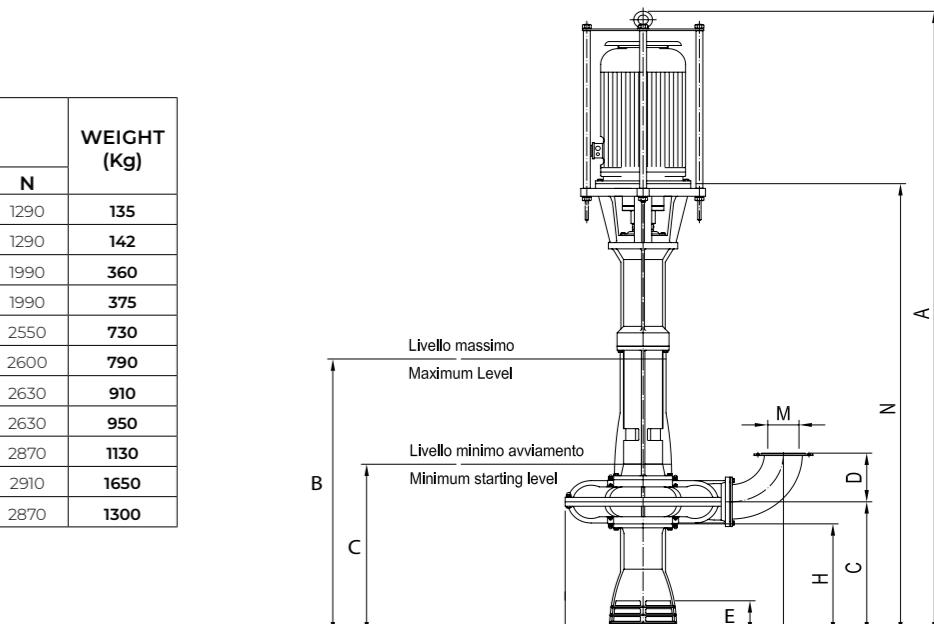
PUMPS	HEAD (m)	FLOW RATE																				SPEED (RPM)	MOTOR*										
		m³/h	6	9	12	18	24	30	45	60	75	90	105	120	135	150	180	210	240	270	300	330	360	390	420	450	480	510	540	570			
			100	150	200	300	400	500	750	1000	1250	1500	1750	2000	2250	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500			
29		19	18	17	14	10,5																										2800	44 kW
45		11	10,5	10	8,5	7																										1425	44 kW
75					17,5	17	16,5	15	13	11																				1455	5.5 kW		
75S							20,5	20	18,5	16,5	14,5	12																	1460	to 22 kW			
100									18,5	18	17	16	15	13,5	12	10															970	11 kW	
121										18,5	18	17,5	16,5	16	15,5	15	13,5	12	10												970	300 kW	
123											21	20,5	20	19,5	19	18	17	15,5	13,5	12	10										975		
125												22,5	22	21,5	21	20	18,5	17	15,5	13,5	11,5										975	3 kW	
160													19,5	19	18,5	18	17,5	17	16	15	14	13	12	11	10					980	45 kW		
198/435																															740	37 kW to 55 kW	
200																															980	55 kW to 75 kW	

*Indicative data; measurement made with water; motor sizes and may vary when working with high density sludge.

DIMENSIONAL

PUMPS	SIZE (mm)									WEIGHT (Kg)	
	A	B	C	D	E	F	G	H	M		
29	1755	780	310	165	125	140	325	250	50	1290	135
45	1755	780	310	165	125	175	370	250	50	1290	142
75	2690	1050	415	200	105	260	475	330	100	1990	360
75S	2690	1050	415	200	105	260	475	330	100	1990	375
100	3355	1450	515	205	115	360	580	400	100	2550	730
121	3340	1500	615	420	145	400	610	500	125	2600	790
123	3505	1500	615	420	145	400	610	500	150	2630	910
125	3505	1500	615	420	145	400	610	500	150	2630	950
160	3965	1750	840	310	210	450	810	700	175	2870	1130
198/435	4105	1750	840	315	210	465	775	700	200	2910	1650
200	3965	1750	840	310	210	450	810	700	175	2870	1300

Indicative dimensions and weights



ALFA POMPE
ITALIAN PUMPS FOR HEAVY DUTY SLUDGE

DIMENSIONAL DRAWING

TYPE:

TOWER

VERTICAL PUMP WITH BELT DRIVE
AND PULLEYS

R

FIELDS OF APPLICATION:

Special pumps for abrasive liquids such as stone, aggregates, cement waters, glass, and ceramics.

TECHNICAL FEATURES

AXIS: Vertical pump with sealed chamber bearings for working cantilevered without immersed supports.

BODY: Made of cast iron, divided into two parts, coated with wear-resistant compound.

Replaceable and adjustable anti-abrasive rubber shells for quick maintenance.

DISCHARGE CURVE: Equipped with interchangeable rubber sleeve for connecting the pump to the discharge pipe.

IMPELLER: Non-clogging open type impeller, consisting of a steel core coated with a special anti-abrasive compound.

OPTIONAL

Upon request, it is possible to insert an extension between the suction pipe and the lower BODY to increase the distance between the bearing and the liquid, thus keeping the motor outside the tank.



SECTORS

MARBLE
GRANITE
AGGREGATES
RECYCLING
MINING

MADE IN ITALY

OPERATING CHARACTERISTICS

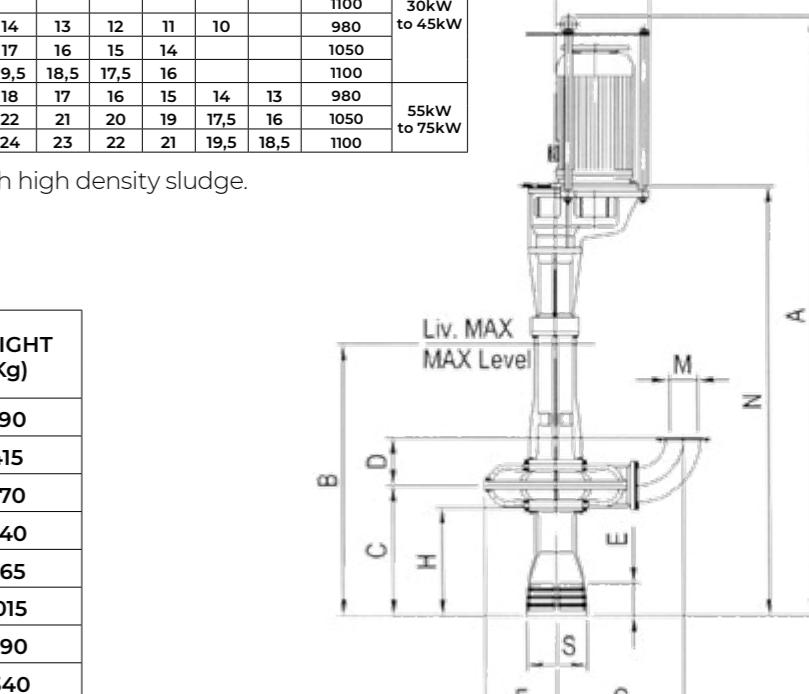
PUMPS	HEAD (m)	FLOW RATE																				MOTOR*			
		m ³ /h	12	18	24	30	45	60	75	90	105	120	135	150	180	210	240	270	300	330	360	390	420	450	480
	l/m	200	300	400	500	750	1000	1250	1500	1750	2000	2250	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	1455
TWR 75		17,5	17	16,5	15	13	11																		1455
		26	25,5	23,5	21,5	19																			1750
		30	29,5	28	25,5	23																			1900
TWR 75S		20,5	20	18,5	16,5	14,5	12																		1460
		30,5	30	28,5	26,5	24,5	21,5																		1700
TWR 100		18,5	18	17	16	15	13,5	12	10																900
		23	22	21	20	18,5	17	15,5	13,5															1100	
TWR 121		25	24	23	21,5	20	18,5	17	15																1150
		18,5	18	17,5	16,5	16	15,5	15	13,5	12	10	8												900	
TWR 123		23	22,5	22	21,5	21	20	18,5	16,5	14,5	12,5													1100	
		25	24,5	24	23,5	22,5	21,5	20	18,5	16,5	14,5	12,5												1150	
TWR 125		21	20,5	20	19,5	19	18	17	15,5	13,5	12	10												950	
		27	26,5	26	25,5	25	24	23	21,5	19,5	17,5	15												1100	
TWR 123		29	28,5	28	27,5	27	26	24,5	23	21	19	17												1100	
		23	22,5	22	21,5	20,5	20	18,5	17	15,5	13,5	11,5												950	
TWR 125		26	25,5	25	24,5	24	23,5	22,5	21,5	20,5	19	17	15											1050	
		29	28,5	28	27	26	25	23,5	21,5	19,5	17													1100	
TWR 160		20	19,5	19	18,5	18	17,5	17	16	15	14	13	12	11	10									900	
		23	22,5	22	21,5	20,5	20	19	18	17	16	15	14	13	12	11	10							1050	
TWR 200		25	25	25	24,5	24	23,5	22,5	21,5	20,5	19,5	18,5	17,5	16	15	14	13	12	11	10				1100	
		23	22,5	22	21,5	20,5	20	19	18	17	16	15	14	13	12	11	10							1150	
		26,5	26	25,5	24,5	24	23	22,5	21,5	20,5	19	18	17	16	15	14	13	12	11	10				1190	
		29	28,5	28	27	26	25	24	23	22	21	20	19	17,5	16	15	14	13	12	11	10			1340	

*Indicative data; measurement made with water; motor sizes and may vary when working with high density sludge.

DIMENSIONAL

PUMPS	SIZE (mm)											WEIGHT (Kg)	
	A	B	C	D	E	F	G	H	M	N	S	T	
TWR 75	2630	1050	415	200	105	260	475	330	100	1925	270	395	390
TWR 75S	2630	1050	415	200	105	260	475	330	100	1925	270	395	415
TWR 100	3300	1450	515	205	115	360	580	400	100	2485	280	485	770
TWR 121	3350	1500	615	420	145	400	610	500	125	2535	240	485	840
TWR 123	3410	1500	615	420	145	400	610	500	150	2535	340	595	965
TWR 125	3410	1500	615	420	145	400	610	500	150	2535	340	595	1015
TWR 160	3870	1750	840	310	210	450	810	700	175	2775	385	595	1190
TWR 200	3870	1750	840	310	210	450	810	700	175	2775	385	595	1340

Indicative dimensions and weights





SUBMERSIBLE PUMPS

Vertical AXIS pumps that can be fully immersed in the tank or well. Designed to handle sludges produced in the marble and granite industry, in mining, in the processing/washing of aggregates, or in the ceramic sector. One of the features of these pumps is the direct fitting of the impeller onto the motor shaft.

The bodies can be made of super-hard cast iron or coated with anti-abrasive rubber depending on the application.

TYPES:

BARRACUDA
NAUTILUS
SHARK



M Metallic Lined Pump

Very abrasive materials



R Rubber Lined Pump
Recommended with
corrosive materials

TYPE:

BARRACUDA

M

SUBMERSIBLE WASTEWATER TREATMENT PUMP

FIELDS OF APPLICATION:

Submersible pumps designed and engineered for the treatment of wastewater in INDUSTRIAL, domestic, and agricultural sectors. The flow range of these pumps varies from 200 l/min to 10,000 l/min with power ranging from 4 kW to 45 kW. These pumps are mechanically sealed and have the BODY and IMPELLER made of cast iron, while the shaft is made of steel.

TECHNICAL FEATURES

AXIS: Vertical AXIS pump with IMPELLER directly connected to the motor shaft with oil bath lubricated bearings.

BODY: Made of cast iron, divided into two parts and coated with wear-resistant compound. Replaceable and adjustable anti-abrasive rubber shells for quick maintenance.

IMPELLER: Non-clogging open type impeller, consisting of a steel core coated with a special anti-abrasive compound.

STANDARD EQUIPMENT

- Humidity probe
- Temperature probe



SECTORS

MARBLE
GRANITE
AGGREGATES
RECYCLING
INDUSTRIAL

MADE IN ITALY

OPERATING CHARACTERISTICS

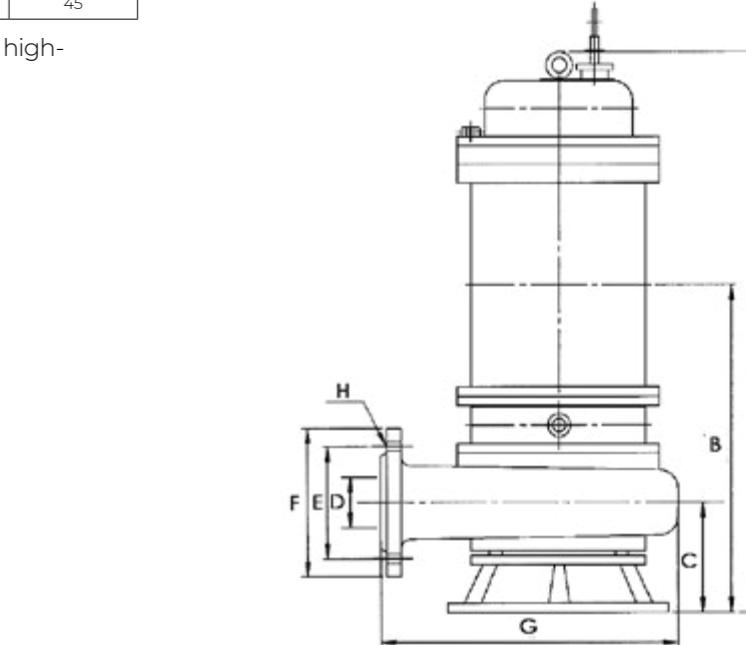
PUMPS	FLOW RATE												SPEED (RPM)	MOTOR* (kW)
	m ³ /h	12	24	36	48	60	90	120	180	240	300	360	600	
I/l'	200	400	600	800	1000	1500	2000	3000	4000	5000	6000	10000		
BRC 100 - 4	11,7	11,6	11,5	11,3	11	9,5	-	-	-	-	-	-	1450	4
	22,4	22,6	23	22,7	22,2	21	-	-	-	-	-	-	1425	7,5
	30	29,7	29,5	28,6	26	20								
	-	17,4	17,4	17,4	17,2	16,8	14,9	-	-	-	-	-	1455	15
		23,3	23,2	23	22,8	22,3	19,7							
	-	-	-	-	19,5	19,2	18,8	18,1	16,7	14,6	12,5	-	1450	22
	-	-	-	-	-	19,4	19,2	18,7	17,8	16,6	15	-	1450	30
	-	-	-	-	-	-	19,1	18,7	18,1	17,5	16,7	11,1	1450	37
BRC 200 - 22	-	-	-	-	-	22,2	21,7	21,1	20,6	19,7	15,1	1450	45	

*Indicative data; measurements conducted with water; motor sizes may vary when operating with high-density sludges.

DIMENSIONAL

PUMPS	SIZE (mm)							
	A	B	C	D	E	F	G	H
BRC 100 - 4	600	400	130	Ø100	170	210	350	N°4 - Ø18
BRC 100 - 7,5	745	510	170	Ø100	170	Ø210	430	N°4 - Ø18
BRC 100 - 11	920	570	170	Ø100	170	Ø210	480	N°4 - Ø18
BRC 150 - 15	980	660	255	Ø150	225	Ø265	590	N°8 - Ø18
BRC 150 - 18,5	1090	700	255	Ø150	225	Ø265	590	N°4 - Ø18
BRC 200 - 22	1230	830	290	Ø200	280	Ø320	580	N°8 - Ø18
BRC 200 - 30	1170	780	290	Ø200	280	Ø320	680	N°8 - Ø18
BRC 250 - 37	1420	950	345	Ø250	335	Ø375	780	N°12 - Ø18
BRC 250 - 45	1530	1000	345	Ø250	335	Ø375	780	N°12 - Ø18

Indicative dimensions and weights



ALFA POMPE
ITALIA PUMPS FOR HEAVY DUTY SOLUTIONS
DIMENSIONAL DRAWING

TYPE:

NAUTILUS

SUBMERSIBLE PUMP FOR DECANTER FEED

R

FIELDS OF APPLICATION:

Submersible pump used to feed decanters with abrasive liquids produced in the marble and granite industry, in washing aggregates or in the ceramic industry. It is placed inside deep tanks or wells where a vertical pump cannot be used.

The capacity range of the NAUTILUS pumps is up to 2250 l/min.

TECHNICAL FEATURES

AXIS: Vertical pump with IMPELLER directly connected to the motor shaft with oil bath lubricated bearings.

BODY: Made of cast iron, divided into two parts, and coated with a wear-resistant compound. Replaceable and adjustable anti-abrasive rubber shells for quick maintenance.

IMPELLER:

Non-clogging open type impeller, consisting of a steel core coated with a special anti-abrasive compound.

STANDARD EQUIPMENT

- Humidity probe
- Temperature probe



SECTORS

MARBLE
GRANITE
AGGREGATES
RECYCLING
INDUSTRIAL

MADE IN ITALY

OPERATING CHARACTERISTICS

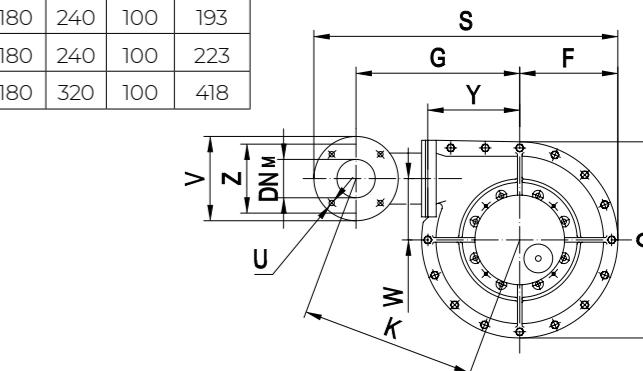
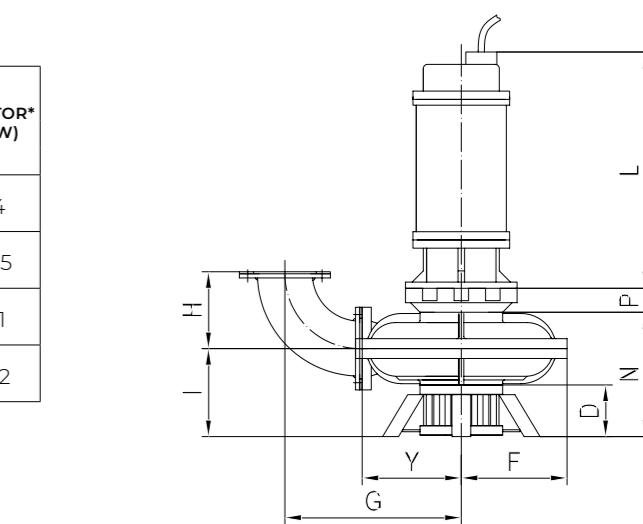
PUMPS	HEAD (m)	FLOW RATE												SPEED (RPM)	MOTOR* (kW)		
		m ³ /h	6	9	12	18	24	30	45	60	75	90	105	120	135		
I/l'	100	150	200	300	400	500	750	1000	1250	1500	1750	2000	2250				
NTL45		11	10,5	10	8,5	7	-	-	-	-	-	-	-	-	1425	4	
NTL75		-	-	-	17,5	17	16,5	15	13	11	-	-	-	-	1455	7,5	
NTL75S		-	-	-	-	20,5	20	18,5	16,5	14,5	12	-	-	-	1450	11	
NTL100/325		-	-	-	-	31	30	29	28	26	24	22	20	1450	22		

*Indicative data; measurement made with water; motor sizes may vary when working with high-density sludge.

DIMENSIONAL

PUMPS	SIZE (mm)														DN Out.	WEIGHT [KG]			
	A	D	F	G	H	I	K	L	N	O	P	S	U	V	W	Z	Y		
NTL45	786	121	175	370	165	181	-	505	241	350	40	628	N°4 HOLES Ø14	165	-	125	205	50	110
NTL75	859	121	256	427	187	208	456	505	296	512	58	793	N°4 HOLES Ø14	220	160	180	240	100	193
NTL75S	954	121	256	427	187	208	456	600	296	512	58	793	N°4 HOLES Ø14	220	160	180	240	100	23
NTL100/325	1363	200	360	507	187	311	565	822	496	720	45	977	N°4 HOLES Ø14	220	250	180	320	100	48

Indicative dimensions and weights



TYPE:

SHARK

SUBMERSIBLE PUMP FOR FEEDING DECANTERS WITH ABRASIVE LIQUIDS

FIELDS OF APPLICATION:

Submersible pump used to feed decanters with abrasive liquids produced in the marble and granite industry, in washing AGGREGATS or in the ceramic industry. It is placed inside deep tanks or wells where a vertical pump cannot be used.

The IMPELLER is open type, is metallic and has improved performance and efficiency compared to a rubberized IMPELLER; this means that a lower power motor can be fitted for the same performance. The flow rate range of SHARK pumps is up to 5800 l/min.

TECHNICAL FEATURES

AXIS: vertical pump with IMPELLER directly connected to the motor shaft with oil-bath lubricated bearings.

BODY: cast iron, divided into two parts and coated with anti-wear compound. Replaceable and adjustable anti-abrasive rubber shells for fast maintenance.

IMPELLER: anti-clogging open metal that improves efficiency, allowing smaller engines the same performance.

STANDARD EQUIPMENT

- Humidity probe
- Temperature probe

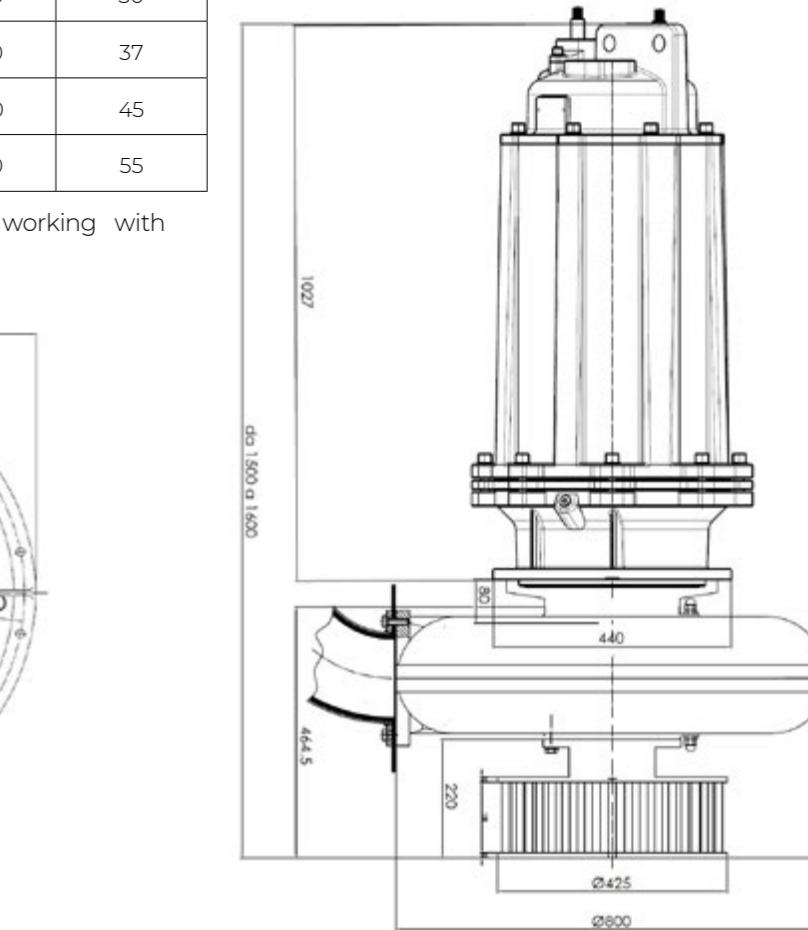
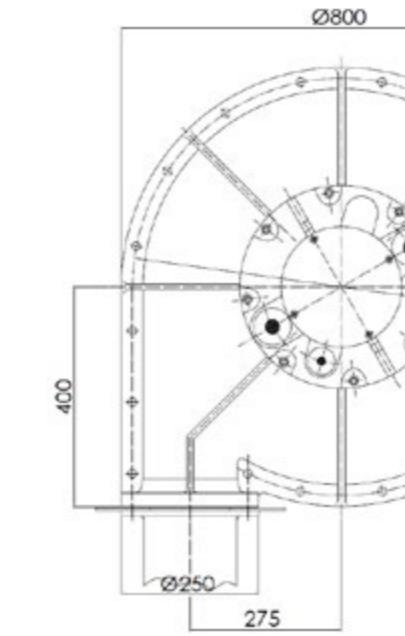


ERATING CHARACTERISTIC

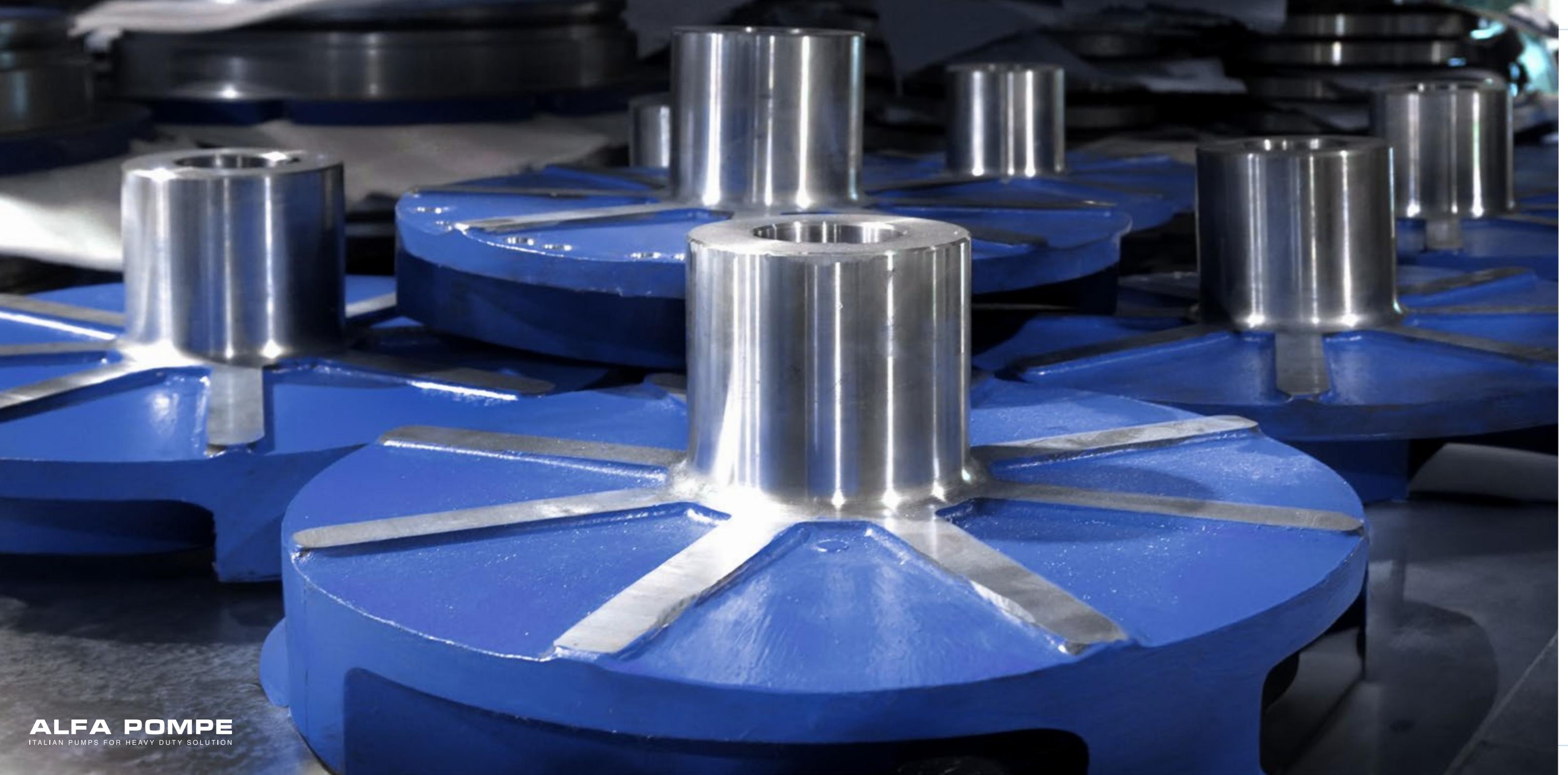
PUMPS	FLOW RATE									SP (R)
	m ³ /h	0	50	100	150	200	250	300	350	
	l/s	0	830	1660	2500	3300	4150	5000	5800	
K 125 Ø330	HEAD (m)	37	35,5	33	28	22,5				14
K 125 Ø350		42	40,5	38	35	31	26,5	22		14
K 125 Ø370		47	45,5	43,5	41	37,5	34	29,5	25	14
K 125 Ø400		54,5	54	52	49	46	42,5	38	33	14

ative data; measurement made with water; motor sizes may vary with-density sludge.

MENSIONAL



ALFA POMP
ITALIAN PUMPS FOR HEAVY DUTY SOLUTIONS



ACCESSORIES AND SERVICE

Alfa Pompe is distinguished by its wide availability of accessories, made possible by a large warehouse with over 200 references in stock. With a wide range of components always on hand, we guarantee fast response times and efficient deliveries.

From gaskets to valves, our warehouse boasts a comprehensive inventory, enabling us to promptly meet the different needs of our customers. This extensive stock not only ensures smooth operations, but also underlines our commitment to customer satisfaction.

With Alfa Pumps, customers can count on the accessibility and reliability of our accessories, facilitating operations and minimising downtime, thus improving productivity and promoting long-term partnerships.

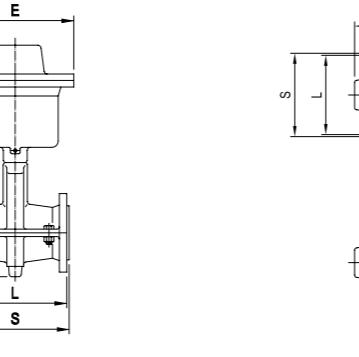
PRODUCTS:
VALVES
PIPES AND FLANGES
SPARE PARTS

SLEEVE VALVES

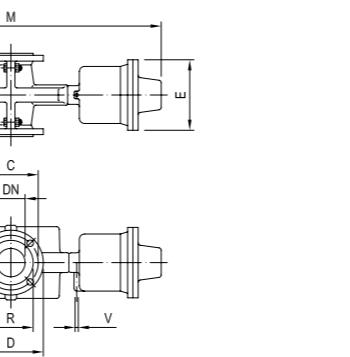
VPA - VPA2 PNEUMATIC CONTROL

TECHNICAL FEATURES

Manually operated valves with aluminium BODY and rubber sleeve designed for abrasive mixtures. Depending on the internal diameter of the sleeve, they are manufactured with either external or internal clamps. Pneumatically actuated valves (open pressure) have an aluminium BODY and rubber sleeve designed for abrasive mixtures. They are produced with single or double cylinder. In the rest position they are closed and opening occurs with the air supply.



1-cylinder valve (type 1c) "vpa"



2-cylinder valve (type 2c) "vpa2"

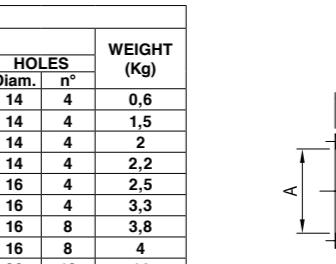
PIPES AND FLANGES

SPECIAL ANTI-ABRASIVE HOSES AND HOSE FLANGES IN ANTI-ABRASIVE RUBBER

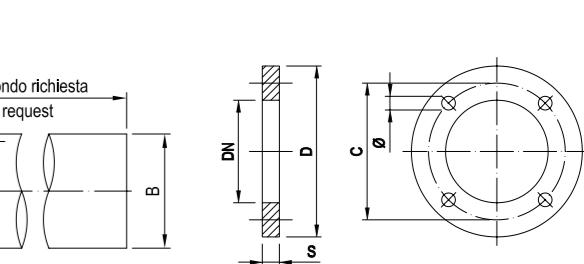
SPECIAL ANTI-ABRASIVE HOSES

PIPES			
CODE	A	B	WEIGHT (Kg)
TUG35	35	49	1,3
TUG60	60	70	1,8
TUG68	70	80	2,3
TUG99	101	111,5	3,5
TUG100	100	130	9,1
TUG125	127	155	10,5
TUG150	152	184	15
TUG180	180	205	12,2
TUG200	203	230	16,4
TUG250	254	285	22,7
TUG300	305	336	27,9

CODE	STEEL FLANGES					WEIGHT (Kg)
	DN	C	D	S	HOLES Diam. n°	
FA25	25	85	115	10	14 4	0,6
FA50	50	125	165	10	14 4	1,5
FA70	70	160	200	10	14 4	2
FA100	100	180	220	10	14 4	2,2
FA125	125	210	250	10	16 4	2,5
FA150	150	240	285	10	16 4	3,3
FA170	170	270	315	10	16 8	3,8
FA200	200	295	340	10	16 8	4
FA250	250	350	395	20	20 12	14
FA300	300	400	445	20	22 2	17



TYPE "1" FLANGE
(one-piece steel)



TYPE "2" FLANGE
(one-piece aluminium)

ANTI-ABRASIVE RUBBER HOSE FLANGES

VALVE	TYPE	SIZE (mm)							V	FLANGE	WEIGHT (Kg)			
		DN	E	H	I	L	S	M						
VPA 25	1C	25	150	265	40	160	170		1/4" G	85 115 14 4	5,2			
VPA 40	1C	40	200	365	50	200	210			110 150 18 4	11			
VPA 50	1C	50	200	380	55	230	240			125 165 18 4	12			
VPA 65	1C	65	200	400	60	290	305			145 185 18 4	16			
VPA 80	1C	80	285	560	180	310	330			160 200 18 4	32			
VPA 100	1C	100	285	575	205	350	370			180 220 18 8	33			
VPA 125	1C	125	375	920	210	400	420			210 250 18 8	68			
VPA 150	1C	150	375	940	245	480	500			240 285 22 8	75			
VPA 200	1C	200	450	1100	320	600	620			295 340 22 8	135			
VPA280	2C	80	165	-	-	250	270	675		160 200 18 4	28			
VPA2100	2C	100	200	-	-	300	320	700		180 220 18 8	30			
VPA2125	2C	125	245	-	-	300	320	870		210 250 18 8	47			
VPA2150	2C	150	245	-	-	300	320	900		240 285 22 8	55			
VPA2200	2C	200	285	-	-	340	360	1030		295 285 22 8	72			

Indicative dimensions and weights

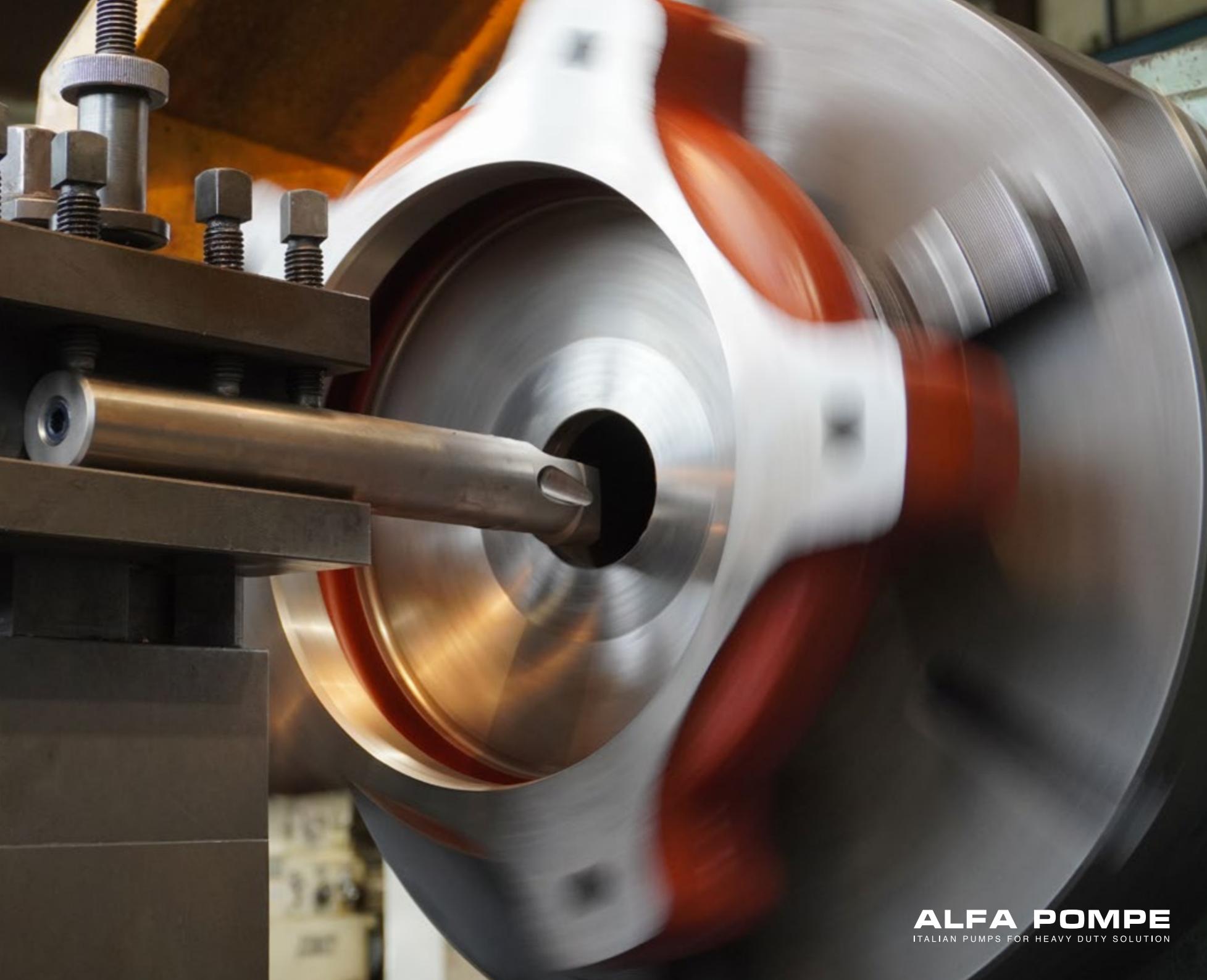
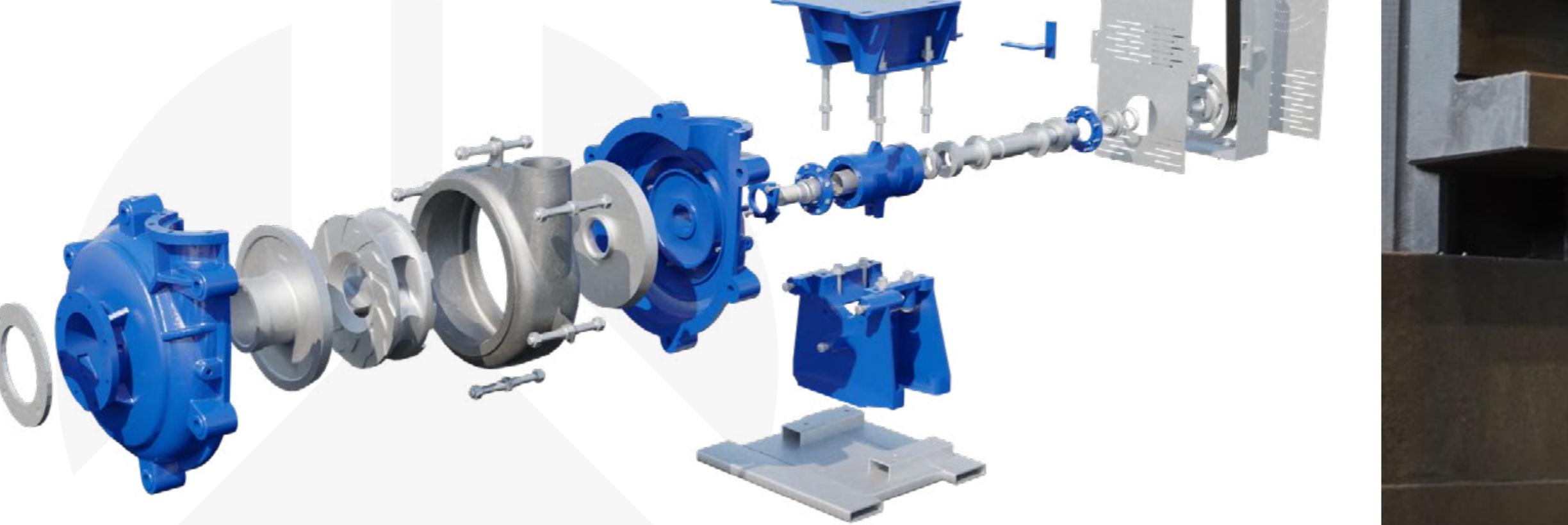


SPARE PARTS

WHAT WE OFFER

Alfa Pompe stands out in the market as a reliable supplier of pump accessories, not only for its own product range, but also for those of other renowned brands. The extensive range of accessories offers customised solutions to meet the specific needs of customers in various industrial sectors, including mining, construction, food and chemical industries.

Customers can find a wide selection of accessories, including valves, hoses, fittings, motors and more, designed to integrate seamlessly with existing pumps or to enhance their performance. Alfa Pompe is committed to providing high-quality accessories that ensure reliability, efficiency and durability.





CHOOSE YOUR COLOR

We offer our customers the opportunity to customise their pumps, including the choice of desired colour. We recognise the importance of accommodating individual preferences and providing tailor-made solutions that perfectly match each customer's needs and style.

Each customised pump is produced to the same high standards of quality and reliability that set us apart, ensuring customers receive a pump that not only stands out for its aesthetic appearance, but also for its efficiency and durability.



COLOUR STANDARD
RAL 5002



CUSTOMIZED RAL



ALFA POMPE
ITALIAN PUMPS FOR HEAVY DUTY SOLUTION



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