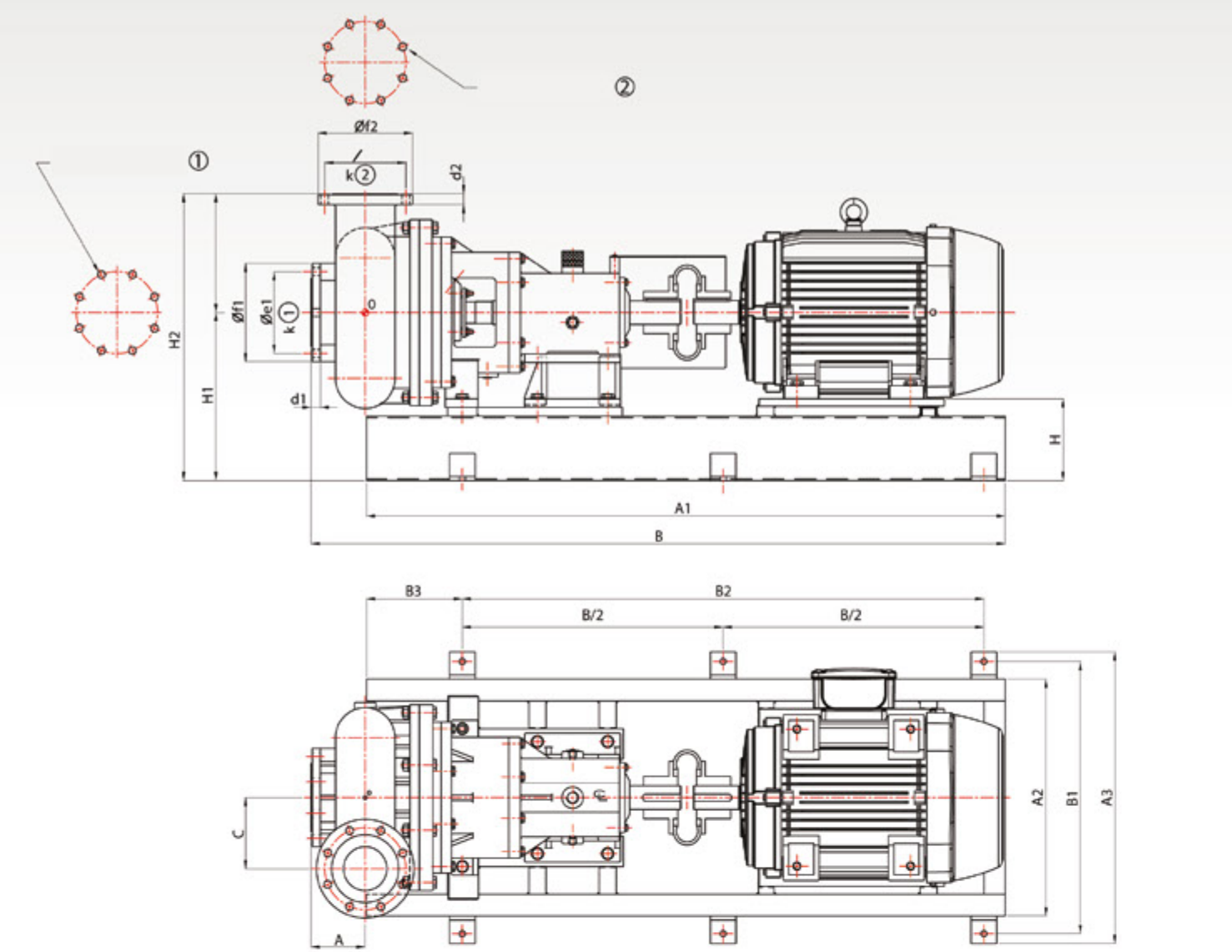




MODELS	MAIN DIMENSIONS																FLANGES						
			A	A1	A2	A3	B	B1	B2	B2/2	B3	C	C1	H	H1	H2	ANSI	①	d1	Øe1	Øf1	Øs1	k
JPX 2x2x8,5	10CV - 132M	90	1100	400	502	1178	470	885	-	175	120	203	142	274	477	ANSI	2" 2"	d2 19	120.6 120.6	152.4 152.4	19.4 19.4	4 4	
JPX 4x2x10	10CV - 132M	90	1100	400	502	1178	470	885	-	175	120	203	142	274	477	ANSI	2" 2"	19 19	120.6 120.6	152.4 152.4	19.4 19.4	4 4	
JPX 3x3x8,5	10CV - 132M	102	1100	400	502	1178	470	885	-	175	120	203	142	274	477	ANSI	3" 3"	24 24	152.4 152.4	190.5 190.5	19.4 19.4	4 4	
JPX 3x3x10	10CV - 132M	102	1100	400	502	1178	470	885	-	175	120	203	142	274	477	ANSI	3" 3"	24 24	152.4 152.4	190.5 190.5	19.4 19.4	4 4	
JPX 4x3x10	20CV - 160ML	102	1250	400	502	1352	470	1035	-	175	142	230	114	274	477	ANSI	4" 3"	24 24	190.5 152.4	228.6 190.5	19.8 19.4	8 4	
JPX 4x4x8.5	25CV - 180ML	127	1500	550	667	1640	632	1235	-	215	165	276	210	390	666	ANSI	4" 4"	24 24	190.5 190.5	228.6 228.6	19.8 19.8	8 8	
JPX 4x4x10	25CV - 180ML	127	1500	550	667	1640	632	1235	-	215	165	276	210	390	666	ANSI	4" 4"	24 24	190.5 190.5	228.6 228.6	19.8 19.8	8 8	
JPX 4x4x11	40CV - 200ML	127	1550	550	667	1690	632	1285	-	215	165	276	190	390	666	ANSI	4" 4"	24 24	190.5 190.5	228.6 228.6	19.8 19.8	8 8	
JPX 6x6x11	40CV - 200ML	127	1550	550	667	1690	632	1285	-	215	165	305	190	390	695	ANSI	6" 6"	25 25	241.3 241.3	279.4 279.4	22.8 22.8	8 8	
JPX 4x4x14	40CV - 200ML	127	1550	550	667	1690	632	1285	-	215	197	310	190	390	700	ANSI	4" 4"	24 24	190.5 190.5	228.6 228.6	19.8 19.8	8 8	
JPX 6x4x14	40CV - 200ML	127	1550	550	667	1690	632	1285	-	215	197	310	190	390	700	ANSI	6" 4"	25 24	241.3 190.5	279.4 228.6	22.8 19.8	8 8	
JPX 6x6x14	60CV - 225ML	160	1650	550	667	1855	632	1385	-	215	197	310	165	390	700	ANSI	6" 6"	25 25	241.3 241.3	279.4 279.4	22.8 22.8	8 8	
JPX 8x6x14	60CV - 225ML	160	1650	550	667	1855	632	1385	-	215	197	350	165	390	740	ANSI	8" 6"	29 25	298.4 241.3	342.9 279.4	22.8 22.8	8 8	
JPX 10x5x13	100CV - 250SM	160	2100	740	867	2290	820	1806	903	239	248	380	235	485	865	ANSI	10" 6"	30 25	361.9 241.3	406.4 279.4	25.12 22.8	12 8	
JPX 10x5x14	125CV - 280SM	160	2100	740	867	2290	820	1806	903	239	248	380	205	485	865	ANSI	10" 6"	30 25	361.9 241.3	406.4 279.4	25.12 22.8	12 8	
JPX 10x6x15	125CV - 280SM	160	2100	740	867	2290	820	1806	903	239	248	380	205	485	865	ANSI	10" 6"	30 25	361.9 241.3	406.4 279.4	25.12 22.8	12 8	
JPX 10x6x17	150CV - 280SM	160	2100	740	867	2290	820	1806	903	239	248	380	205	485	865	ANSI	10" 6"	30 25	361.9 241.3	406.4 279.4	25.12 22.8	12 8	

APPLICATION SEGMENTS



SUGAR & ETHANOL



PAINTS



PULP & PAPER



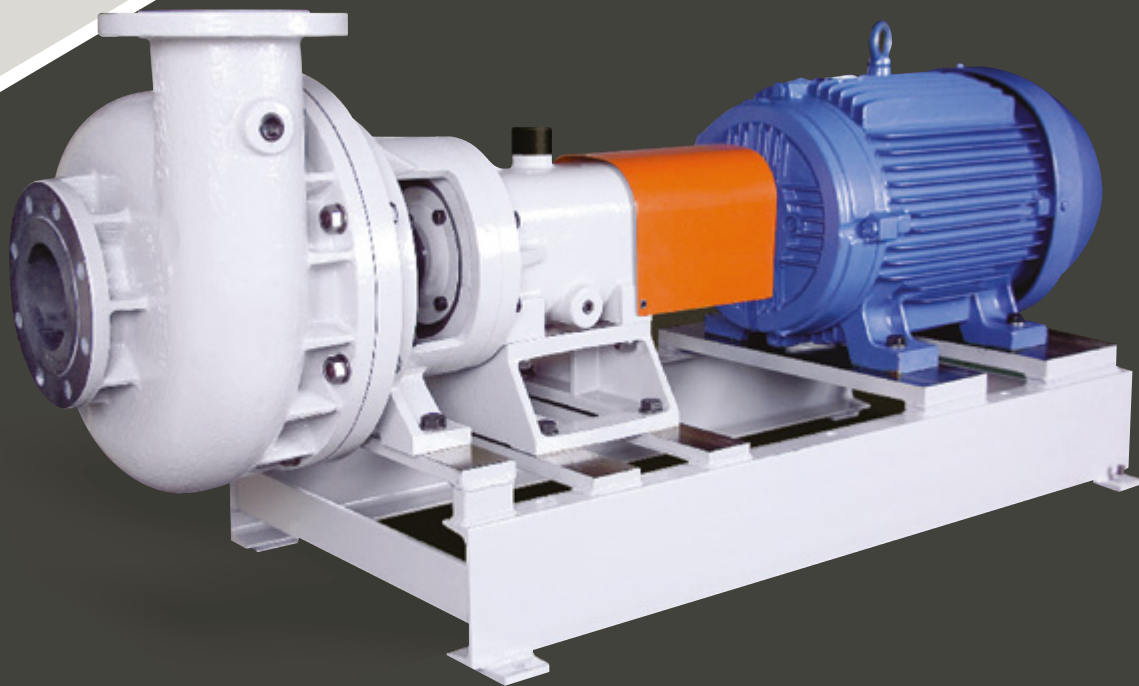
CHEMICAL



BIOENERGY



FOOD



Open Impeller Pump | Series: BÚFALO

Centrifugal Pump with Recessed Impeller (Vortex Type)

AN INTELLIGENT SOLUTION FOR SIMPLE AND EFFECTIVE OPERATION



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JAGUAR OPEN IMPELLER PUMP

Centrifugal Pump with Recessed Concave Impeller (Vortex Type)

BÚFALO SERIES

Strictly observing the challenges in industries that subject slurry pumps to extreme wear, Jaguar developed a pump capable of withstanding the most demanding pumping conditions in Sugar & Alcohol, Mining, Sanitation, Petrochemical, and Pulp & Paper industries.

In these sectors, conventional slurry pumps often face issues due to abrasion from large-dimension solids, leading to frequent clogging, constant maintenance, part replacements, downtime, and high costs.

The Jaguar Open and Recessed Vortex-Type Centrifugal Pump from the Búfalo Series is the solution to these problems, featuring unique characteristics:

- 1

Fully recessed concave impeller, designed to completely eliminate clogging and improve efficiency with large solids.
- 2

Extra thickness in the rotor structure increases durability and cost-effectiveness.
- 3

Internal parts molded exclusively in Ni-Hard, an alloy with hardness standards identical to international abrasion norms, ensuring extended durability.
- 4

Modular construction reduces replacement part costs and enables impeller/volute upgrades with the same oversized bearing assembly, allowing increased flow without replacing the entire pump — a unique feature of the JAGUAR Búfalo Series.

NI-HARD ALLOY

Abrasion-resistant, extends the lifespan of the JAGUAR Recessed Vortex Centrifugal Pump.

Sand, primarily made of silica, is the most aggressive solid for slurry pumps. The Ni-HARD alloy, composed of abrasion-resistant metals, increases the durability of the Búfalo Series pump by featuring hardness levels equal to international standards.

This gives the JAGUAR Búfalo Series Pump superior performance compared to other recessed vortex centrifugal pumps, making it ideal for pumping highly abrasive products.

3 EXCLUSIVE BENEFITS

The Jaguar Centrifugal Pump with recessed vortex impeller from the Búfalo Series delivers three unique benefits not found in other vortex-type pumps on the market:

- 1

Longer service life compared to other vortex-type pumps.
- 2

Pumps large solids and long fibrous materials without clogging.
- 3

Special sealing system resistant to abrasion.

Applications in Various Sectors

Built with a simplified design that facilitates handling and reduces the need for specialized labor, the Búfalo Series pumps have a robust structure for demanding applications.

Their wide and versatile application range includes Sugar & Alcohol, Mining, Petrochemical, Pulp & Paper, Sanitation, and more.

The Búfalo Series centrifugal pumps with recessed vortex impellers follow flange connection standards in accordance with B-16.5.2.

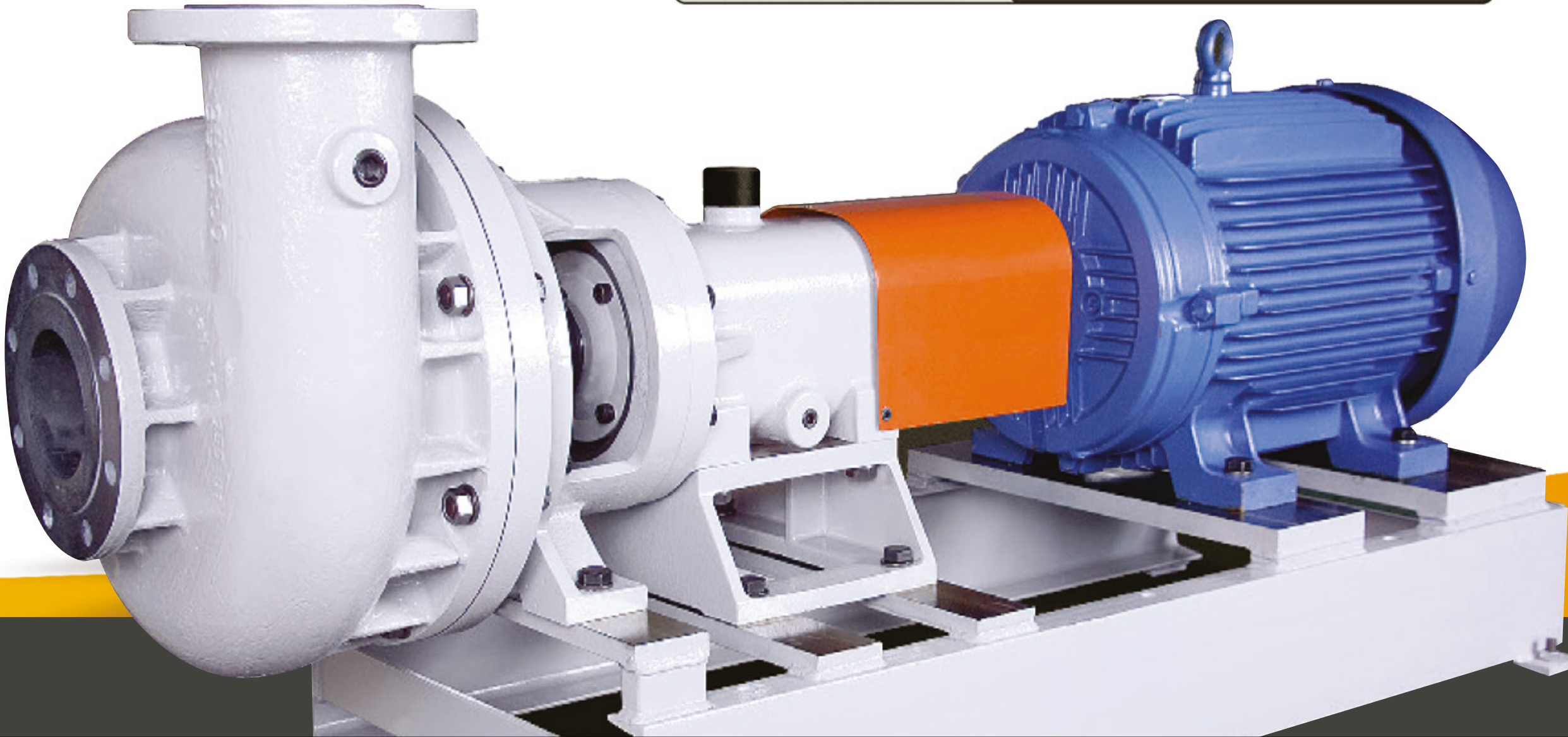
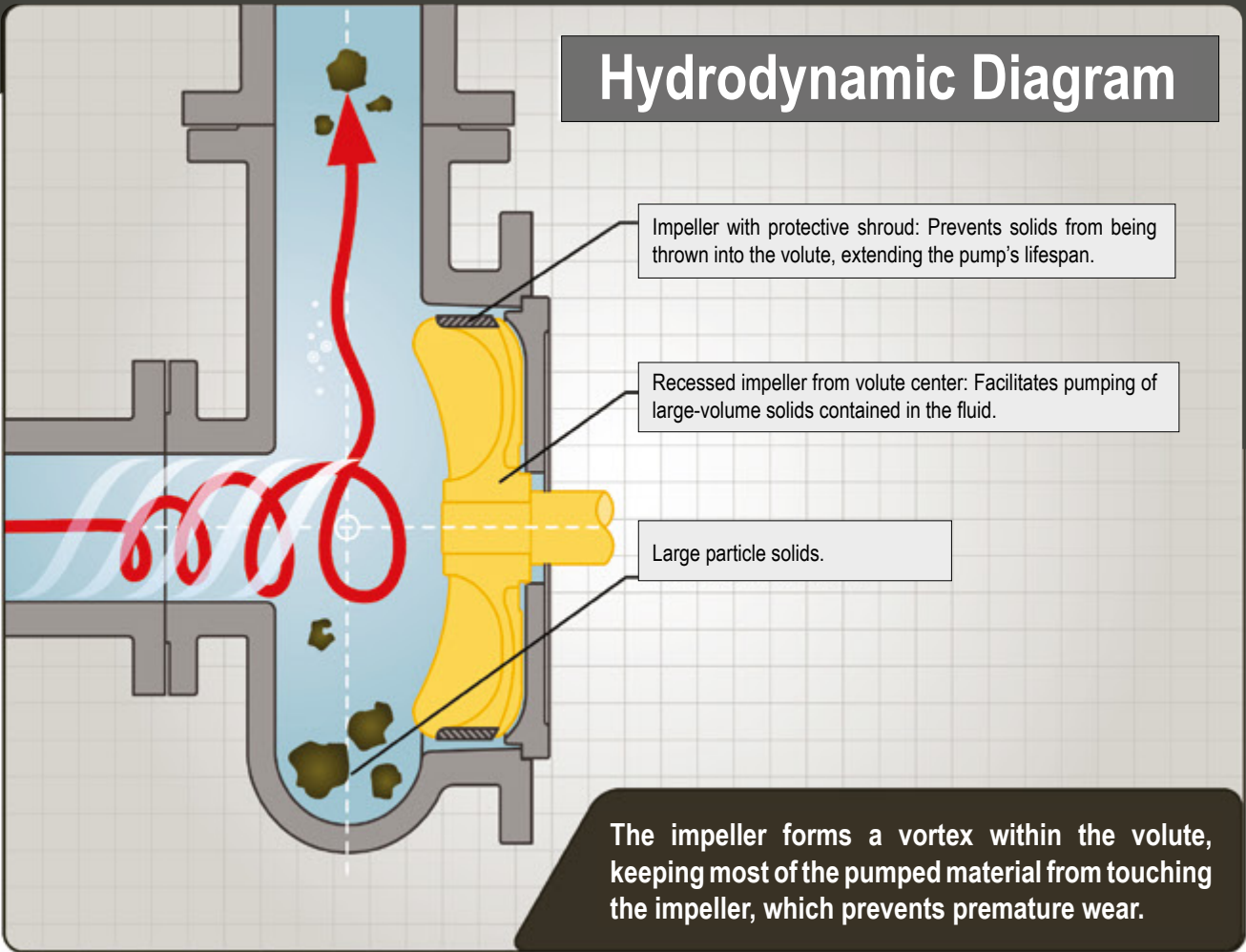
Additionally, it's possible to increase flow by up to 50% simply by upgrading the volute and impeller using the same bearing housing — thanks to a structure designed to support such upgrades.

Choosing the Right Pump for Your Needs

If your application requires a pump with high abrasion resistance, be sure to include the design criteria for slurry pumps and consult the Jaguar technical team.

TYPICAL PUMPED ELEMENTS

Water with soot
Mixed Juice
Primary Juice
Calcium Hydroxide (Lime)
Water Treatment Sludge
Sewage Sludge
Soot Sludge
Sedimentation Pond Sludge
Iron Ore
Pulp
Fruit pulp and liquor
Vinasse
Syrup



THE JAGUAR BÚFALO SERIES PUMP QUICKLY PROVED ITS TOUGHNESS, DURABILITY, AND PERFORMANCE — EVEN BETTER, WITH NO CLOGGING.