

# ACOSTAR

## IMPELLER PUMP MADE OF PTFE FOR THE CHEMICAL SECTOR

### FOR A WIDE VARIETY OF APPLICATIONS IN THE CHEMICAL SECTOR

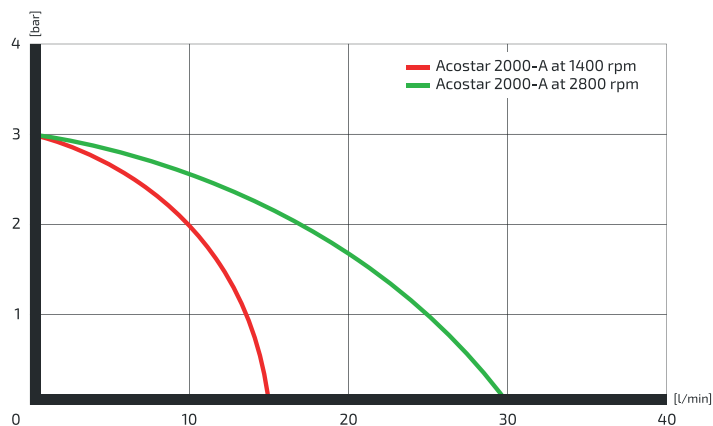
The ACOSTAR impeller pump is the optimum pump for the chemical sector thanks to the use of PTFE, high-quality shaft seals and impellers made of FPM/FKM (Viton®) or EPDM. It is suitable for both oxidized, diluted, as well as mixed acids. Dry-running of the pump is prevented by the use of an effective dry-running protector (only for 230/400V). Various motor versions are available (230V, 400V, 12V, 24V; 1,400 rpm, 2,800 rpm; 50Hz, 60Hz). Using a frequency converter (optional) allows adjustment of the pump's speed and direction of rotation.

The pump shaft of the ACOSTAR is made of Hastelloy® C-22. This material offers good resistance to media such as, sulfuric acid, phosphoric acid, nitric acid, chlorine gas, acid mixtures containing sulfuric acid, and oxidizing acids containing chloride ions. In the presence of strong oxidizing agents such as iron(III) and copper(II) chlorides, chlor, formic acid, acetic acid, seawater and other salt solutions, the use of this material is recommended after clarification of the environmental conditions. A special feature of this alloy is its high resistance to crevice, pitting and stress corrosion cracking at elevated temperatures under oxidizing and reducing conditions.

Star handles for quick and easy impeller replacement and ceramic side discs to protect the pump covers are installed as standard. The newly developed bellhousing allows the pump to be easily separated from the motor to perform service work.



■ MADE  
■ IN  
■ GERMANY



## ACOSTAR 2000-A

- / Dry self-priming flexible impeller pumps
- / Made of PTFE (TEFLON®)
- / Suitable for corrosive media
- / Up to 3 meters dry priming
- / Head up to max. 30 meters
- / Flow rate between 3 and 28 l/min
- / Dry run protection as standard

PART	MATERIAL
Pump housing	PTFE
Pump cover*	PTFE
Pump shaft	Hastelloy® C-22, material number 2.4602
Shaft seal	FKM, EPDM
Rod seal	FKM, EPDM
Impeller	FKM, EPDM

\* The PTFE lids of the ACOSTAR are covered and protected by ceramic discs on the side in touch with the fluid.

## ACOSTAR WITH FREQUENCY CONVERTER

By using a frequency converter the speed can be regulated continuously and the desired flow rate can be adjusted precisely during filling and dosing. Energy efficiency through adapted engine performance.

- / Speed regulation
- / Reversal of the direction of rotation
- / Overload protection
- / Precise drive control
- / Compact design
- / High energy efficiency



Connection 3/4" male thread



Connection spout 3/4"

## CONNECTIONS

You can choose between a 3/4" male thread connection or a 3/4" connection spout. Both connections are made of robust PTFE.

ACOSTAR	2000-A			
Flow rate max. (l/min.)	14		28	
Discharge pressure max. (bar)	3			
Volt	230	400	230	400
rpm	1400		2800	
Ampere**	3,2	2	3,2	1,9
Engine output	0,37 kW			
Connections	¾" male thread or Connection spout ¾"			
Temperature (with dry run protection)	max. 90°C			
Weight	9,4 kg			

\*\*Increased current values during start-up