# Stainless Steel Cutter Pumps TVC400



## Axial/semi-open impellers



	Vol. del. at manom. del. head	Height	Depth of im- mersion	Weight	Power	Voltage 3 ~	Fre- quen- cy	Curren	t Speed
Туре	l/min /m	Hmm	h mm	kg	kW	V	Hz	А	1/min
TVC400/230	300/10	357	227	41.5	2.2	220-240	50	7.8	2890
360			357	45.0		380-415	50	4.5	2890
580			577	51.0					
					2.55	460	60	4.4	3480





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#### **Stainless Steel Cutter Pumps**

of the series TVC are designed to handle and reliably cut long, stringy plastic chips as well as bundles of swarf. The pump is equipped with two cutting devices. Located in front of the chip breaker is a scraper that is used for the first cutting operation. In addition, the scraper keeps the openings of the inlet cover free from large debris that could clog the flow path. The cutting unit is cutting the plastic chips and the semi-open impeller with its large clearances allows to pump the particles along with the coolant fluid from the machine back to the filter.

Because of the higher number of cutting blades which results in an increased cutting frequency all chips are being consistently cut in small pieces. The TVC pumps are capable of handling chip to coolant ratios of up to 0.3% by weight. Complete pump and plate assemblies, including discharge pipe and mounting plate are available upon request. For more information see lifting pumps features SXC/SPC within the technical information section.

#### Applications

Types of fluid				
Industry water				
lees / solvents				
de-ionized water				
Max. chip to coolant ratio by weight:				
0.3 %				
Chip material:				
Plastic				
Kinematic viscosity				
20 mm²/s (20 cSt)				
Pumping temperature				
060° C				

### Construction

Pump body	CrN		
Cover	CrN		
Impeller	CrN		
Cutting unit	Har		
Shaft	CrN		

CrNi-steel CrNi-steel CrNi-steel Hardened CrNi-steel



