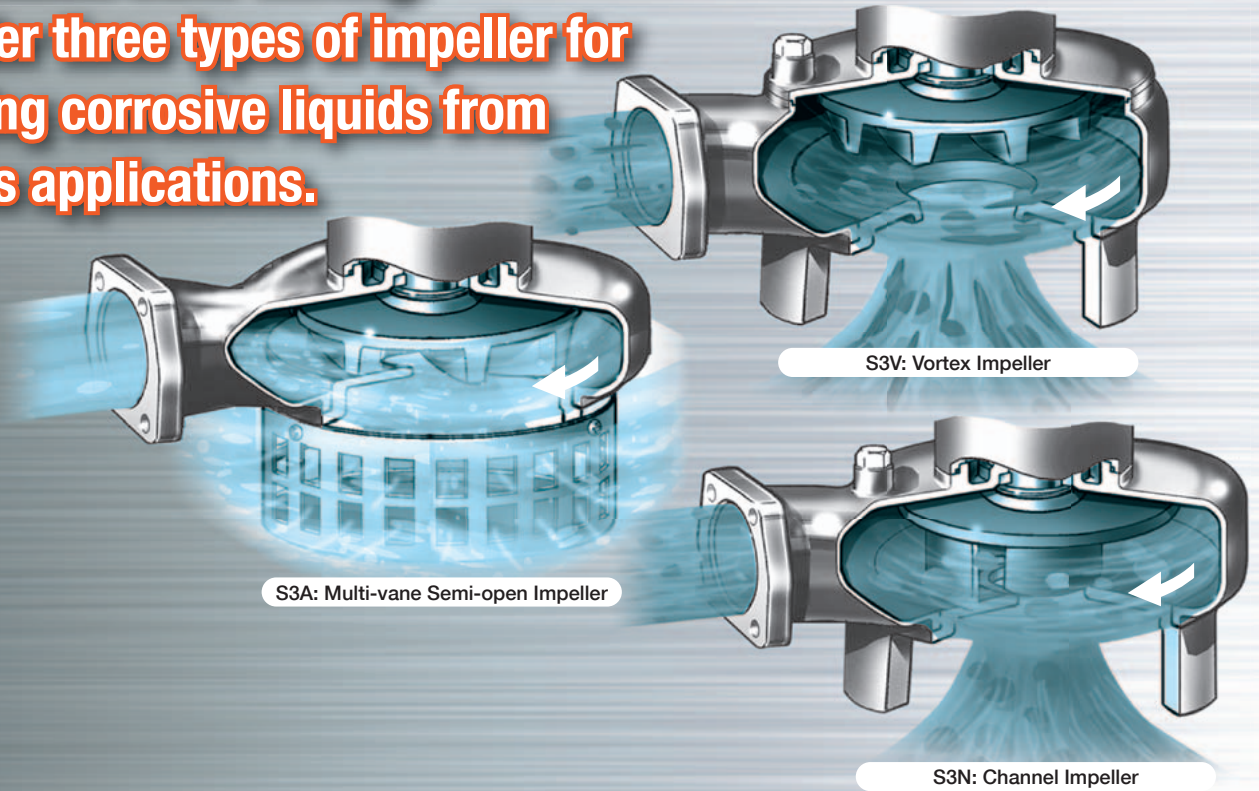# All wetted parts are made of corrosion resistant stainless steel or stainless steel casting.
We offer three types of impeller for handling corrosive liquids from various applications.

S3V: Vortex Impeller

S3A: Multi-vane Semi-open Impeller

S3N: Channel Impeller

Features

Available for handling corrosive liquids

Constructed of corrosion resistant stainless steel (304 stainless steel or its casting) with adequate thickness for the wetted parts.

Extended service life

● Shaft seal···Wear resistant double mechanical seal & oil seal
● Cable entry···Built-in core seal
● Motor···Automatic-reset type thermal protector
These devices protect the motor and realize an extended service life

Three types of impeller offered for various applications

● S3A···High efficiency multi-vane semi-open impeller
for handling liquids containing fewer solids
● S3N···Channel impeller
for handling liquids containing solids
● S3V···Vortex impeller
for handling liquids containing sludge or fibrous solids

Applications

■ Draining effluent containing corrosive liquids
Chemical plant, Food plant, Hospital, Laboratory, etc.
■ Transferring corrosive liquids in treatment processes
Industrial wastewater treatment, etc.
■ Water supply and circulation
Water display, Fountain, Aquarium, etc.

Standard Specifications

Handling liquid	Kind of liquid	Wastewater and sewage
	Temperature	0 - 32°C
Material	Cable	PVC insulated PVC sheathed cable
	Motor shaft	304 stainless steel (0.25-1.5 kW) 316 stainless steel (2.2-7.5 kW)
	Pump housing	304 stainless steel casting
	Impeller	
Electric motor	Type	Air-filled submersible induction motor
	Insulation class	Class E
	Enclosure	IP68
	Phase	3
	Rated voltage	Several voltage between 200 and 480V

Optional Specifications

Motor insulation	Class F
Cable extension	Cable lengths: 10 to 30m (every 5m)
Material changes	For the wetted parts, the material can be changed to 316 stainless steel and 316 stainless steel casting
Motor protector (2.2 - 7.5 kW)	-Thermal switches (Embedded to motor winding) -Leakage detector

*For specifications other than the above, please consult us.