TC-KC5 SERIES

Controlled rotation rotary spray nozzle

High Impact Tank Cleaner

Application

TC-KC5 series rotary tank cleaner are suitable for the rinsing and cleaning of small to medium sized vessels,reactors, containers,tanks and machines e.g. in food , beverage, pharmaceutical,chemical,dairy , etc

Design feature

The liquid flow powers the head by an internal gear. Either a gear reduction or a hydraulic brake is used to control the rotation. Hence the produced droplets are bigger and hit the tank wall with higher velocity. This keeps the speed of the head within its optimal range across a wider span of pressures, and the nozzles develops more powerful spray.

The new rotating nozzle works very powerfully and efficiently based on the controlled rotation.costs and time. Compared to conventional rotating cleaning cycle nozzles, time can be reduced considerably,This saves cleaning fluid, energy

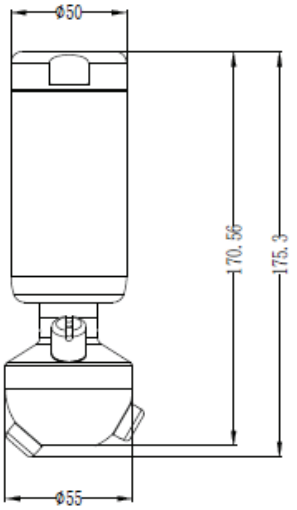
- Excellent cleaning power
- High impact flat jet, 360 degree spray, 100% thoroughly clean
- Internal gear reduction make it work more stable
- Built-in gear reduction mechanism makes tank cleaner work more stable

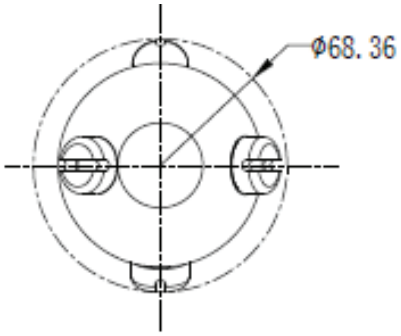
Technical data

Temperature	30 – 60 – 90 – 120 – 150 – 180	°C
Pressure	5 – 10 – 15 – 20 – 25 – 30	bar
Max. tank dia.	1 – 2 – 3 – 4 – 5 – 6	
Material	316L stainless steel, PTFE, PEEK	
Installation	Mounted vertically downwards	
Feature	Self- cleaning , Impeller driven, independent gearbox design	

How to order (Example)

TC-KC5	360°	316L SS	3/4" FR
Model	Angle	Material	Connection





Model	Flow rate (L/min)				Connection
	3 bar	5bar	7 bar	10 bar	
KC5-100	78.8	100	120	144	3/4"-FR
KC5-200	156	204	240	288	1"-FR
KC5-300	236	304	360	432	1"-FR

*Please consult for details if need other connection methods, such as NPT thread

Type	Model	Feature
Standard version	KC5	Standard configuration, suitable for working environment below 90 °C
High temp. version	KC5-HT	Use high temperature engineering materials for 90 ° C ~ 250 ° C working environment
Explosion-proof version	KC5-F	Use anti-static materials to avoid static sparks, suited for oils and flammable environments
Oil resistant version	KC5-OT	Special engineering materials, strong oil resistance, can be used for oil tank cleaning

Performance data: